

AIL/DHJ/DIA/2023/ENV/026

ID :- 58381 Date:24.11.2023

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

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

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

Respected Sir,

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

Thanking You

Yours faithfully,

For Aarti Industries Limited

Authorized Signatory

Encl: EC Compliance with Annexures.

COPY TO:

1) Copy to be uploaded in the PARIVESH site.

2) The Regional Director, Central Pollution Control Board, Vadodara (Through E-Mail)

3) Deputy Director General of Forest (Central)Integrated Regional Office - Gandhinagar, MOEF & CC, Gandhinagar (Through E-Mail)

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

Compliance report of Environmental Clearance File No. SEIAA/GUJ/EC/5(f)/391/2018 Dated. 31/03/2018, Apr-2023 to Sep-2023

Sr. No.	Name of Product	CAS No.	Total Quantity (MT/month)	Application			Sta	tus		
				Organic Cl	hemicals					
					Complied					
				It is a precursor to dyes, chemical		Montl	h —	roduction	-	
								Dichloro		
						Apr, 2		609.94		
1	2, 5 Dichloro	95-82-9	1815			May, 2		80.34		
	Aniline			intermediates and pigments.		Jun, 23		81.347		
					12		Jul, 23	3	383.47	8
						Aug,2	3	129.35	4	
						Sep,23		621.75		
						All produc	ets are un	der prescr	ibed limits.	
Dichlorophenols are used as				Complied	Month		Production (MT)			
				intermediates in the manufacture of more complex chemical		Apr, 23		380.578		
			1500		May, 23			5.8		
2	2. 5 Dichloro	583-78-8			Jun, 23				0	
	Phenol			compounds. It		Jul, 23			0	
				will be used as a raw material for		Aug,23		18.6	18.6	
				chemical		Sep,23		236.6		
				intermediates.						
				Inorganic C	Chemicals					
				Used in organic	Complied					
1	Nitrosyl	7702 70 7	1.470	chemistry to	Mon	th		Producti	ion (MT)	
1	Sulphuric Acid	7782-78-7	1470	prepare diazonium salts			NS	SA	H2SO4	
				from amines	Apr,	23	1474	.201	2365.943	
					May,	23	449.	.137	117.434	
				Used in chemical		23	251.	.485	0	
2	98% Sulphuric	7664-93-9	2350	industry for production of	Jui, 2	23	()	0	
	Acid	,004-75-7	2330	basic synthetic	Aug,	Aug,23		33	176.077	
				organic chemicals	Sep,2	23	585	5.64	1470.733	
	Total 7135				Complied					

MT/Mon	h	Average production of 2181.95MT/Month in the compliance
		period (April 2023 to September 2023)

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

				Photog	graph of RO	l			
3	Spent solvent recovery (1384.1 MT/Month) shall be recovered by in-house distillation in such a manner that recovery shall not be less than 95 percent and recovered solvent shall be	Complied The solvent recovery system with a recovery not less than 95% is being taken care of in the plant and the same being ensured during operation of the plant.							
	completely reused in the process.	Recovered Methanol Details	Aug,23	Sep,23					
		Consumption (MT/Month)	1030.6	653.70	0	443.447	447.45	909.35	
		Recovered (MT/Month)	1024.56 8	652.211	0	438.873	444.70 5	904.64	
		% Recovery	99.4	99.77	0	98.96	99.38	99.48	
4	Close loop solvent recovery system with an adequate condenser system shall be provided to recover solvent vapors.	Complied Unit has procondenser system is as b	stem to re- elow	cover solve	ent vapors.	The PFD of			
5	Leak detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines.	Plant is operated under the DCS Control system. Complied As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as per the desired set point all are connected to the Hooter & DCS System.							

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

these items, the unit shall restrict the production of respective them.

pre-processing from RSPL. Unit has received a Landfill membership certificate from BEIL. The membership details are attached in Annexure-3

Landfill Waste (ETP, MEE & Insulation) Generation & Disposal Details:

Month	Generation (MT)	Disposal (MT)
Apr,23	50.450	41.500
May,2	17.96	21.150
June,23	25.77	16.97
July,23	15.11	12.75
Aug,23	1.75	0
Sep,23	12.28	0
TOTAL	123.32	92.37

A.2 WATER

9 Total water requirement for the project shall not exceed 1432 KL/Day. Unit shall reuse water 56 KL/Day from RO permeate, 47 KL/Day from STP and 73 KL/Day from the filter section. Hence, fresh water requirement shall not exceed 1312 KL/Day and it shall be met through GIDC water supply only. Prior permission from the concerned authority shall be obtained for withdrawal of water.

Complied

Total Water Requirement is not exceeding 1429 KL/Day and fresh water requirement is not exceeding 1253 KL/Day and Recycle water is 56 KL/Day from RO Permeate, 47 KL/Day from STP, 73 KL/Day from Filter Section(SSF) as per CC&A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 & AWH-123267 dated: 18/12/22. Water consumption is under the prescribed limit.

WATER CONSUMPTION DETAILS

Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
Fresh Water	Total KL/Month	19471	12298	6342	8625	10643	15506
Consumpti ons (1253 KLD)	Average KLD	649	397	211.4	278	343	517

Water consumption is under the prescribed limit.

10 The industrial effluent generation from the project shall not exceed 265 KL/Day.

Complied

The effluent generation of the Unit is not exceeding 262 KL/Day as per CC&A AWH - 113932 For product mix Dated on 08/10/2021 valid upto 19/02/2025 & AWH-123267 dated: 18/12/22.

EFFLUENT GENERATION DETAILS

Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
Industrial Effluent	Total KL/Month	2803.4	2144.1	1509.5	2685	3273.9	3976.9
Generatio n (262 KLD)	Average KLD	93.44	69.16	50.3	86.6	105.60	132.56

		Waste Water generation is under Prescribed Limits							
11	The industrial wastewater i.e. Process water + RO Reject (228+37=265 KL/Day) shall be treated in ETP comprising Primary, Secondary and Tertiary treatment plants.	Compiled. The average daily generation of industrial effluent for the monitoring period is 128.06 m3/day. The effluent coming from various plants are collected and treated in ETP consists of Primary, secondary and tertiary treatment facilities. Further treated in RO and discharged to the GIDC pipeline. Details of wastewater Generation (combined for process and utility)							
		Particular Unit Apr 2023 May 2023 Jun Jul 2023 Aug 2023 Sep 2023						Sep 2023	
		Industrial Effluent to	Total KL/Month	2803.4	2144.1	1509.5	2685	3273.9	3976.9
		ETP (225 KLD)	Average KLD	93.44	69.16	50.3	86.6	105.60	132.56
			Wastewa	ater gener	ation is w	ithin the	prescribe	ed limits	
12	Treated wastewater (265 KL/Day) shall be discharged deep sea (Arabian Sea) through underground pipeline of GIDC after achieving discharge norms prescribed by regulatory authority.	Complied Unit is ensuring discharge treated effluent after conforming to GPCB norms in the underground pipeline of GIDC. GIDC Discharge Details							
		Particular	Final Discharge	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
		to GIDC	Total KL/Month	4075	3792	2902	3876	4424	4819
			Average KLD	135.8	122.32	96.73	125.03	142.71	160.63
		A	All the di	scharge p	arameter	s are und	er prescri	bed limit	s
13	The domestic wastewater generation shall not exceed 47 KL/Day and it shall be treated in STP and use for gardening/maintaining green belt within premises.	Complied Domestic gardening/	wastewa cooling to	ower purp			Treated neration	water u	sed for
		Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
		Domestic WasteWat	Total KL/Month	380	325	687	701	593	644
		er (47 KLD) Average KLD 12.66 10.48 22.9 22.61 19.12					21.46		
		All I	Domestic	waste wa	ter gener	ation is u	nder pres	cribed lin	nits.
14	During monsoon season when treated sewage effluent may not be required for the plantation/Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case.	Complied The treated STP water is being used for green belt development / Cooling tower. During Monsoon the treated STP water shall be used for cooling tower make up. Also, the Unit has constructed a guard tank for storage of treated water.							

15	Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.	Complied Unit has an adequate buffer with two water storage tanks each of 300 kl capacity for holding the treated wastewater during the rainy days.					
16	Unit shall provide an online monitoring system on the final discharge line for measuring quantity & quality of waste water as per the guidelines of regulatory authority.	Complied Unit has provided an online monitoring system on the final discharge lin for measuring quantity & quality of waste water as per the guidelines. The parameters are measured continuously in the Online System (COE BOD, TSS, pH & Flow) and the same has been connected to the GPCB & CPCB Server. Screenshot (Image) of continuous online data monitoring at CPCB server attached in Condition No. 6.					
17	The unit shall provide metering facility at the inlet and outlet of the ETP and maintain records for the same.	Complied Unit has provided a metering system logbook.	m and maintained the same in the				
18	Proper logbook of ETP, chemical consumption, quantities and qualities of effluent discharge and reuse, power consumption etc shall be maintained and shall be furnished to the GPCB from time to time.	Complied Unit is maintaining a logbook of ETP, qualities of effluent discharge and refurnished to the GPCB from time to time Electricity consumption Power Consumption Month Apr-23 May-23 June-23 July-23	ruse, power consumption etc, and is ne. on in ETP summary Imption ETP Total KWH 130572 86662 72701 107385				
		August-23	91122				
		September-23	110470				
		1					

	 			c	hemi:	cal Cc	nsum	ption E	TP		
	 	Month	PE (KG)	Urea (KG)		Lime (KG)		Caustic (Ltr)	HCI (Itr)	Jagge ry(KG)	
		Apr-23	0.7	3	5	22	230	1229 0	3232	8	12
		May-23	0.66	0	0	0	145 5	5690	2351	0	12
	 	June-23	0.1	0	4	36	440	2025	807	47	17
	 	July-23	2.55	0	3	76	360	3550	1100	78	12
	 	August-23	2.85	15	33	67	300	4218	2342	48	7
	 	Septembe r-23	1.6	1	19	65	405	3617	3670	100	0
A.3 A	AIR										
19	There shall be no use of any type of fuel for utility or process requirements for the proposed project.	Complied Unit has proposed	s not use		type o	f fuel f	or utilit	ty or proc	cess requir	rements	for the
20	Unit shall provide APCM as mentioned below points for control of process gaseous emissions.	Complied Unit has operation	s provide	ed scrı	ubber s	ystems	s to cor	ıtrol gase	eous emiss	sion acı	coss the
21	Unit shall provide a two stage alkali scrubber as APCM with Sulphur Dioxide reaction and Sulphuric Acid plant to control SO2 gaseous emission.	Complied Unit has provided a two stage alkali scrubber as APCM with Sulphur Dioxide reaction and Sulphuric Acid plant to control SO2 gaseous emission. Photograph of APCM									
					1		A STATE	2000 P		Test	

	T									
22	Unit shall provide a two stage alkali scrubber as APCM with an NSA plant to control SO2 gaseous emission.	Unit h	Complied Unit has provided a two stage alkali scrubber as APCM with an NSA plant to control SO2 gaseous emission. Annexure-5a							
23	Unit shall provide two stage alkali scrubber as APCM with DCP plant to control NOx & VOC gaseous emission.	Unit 1	Complied Unit has provided a two stage alkali scrubber as APCM with a DCP plant to control NOx & VOC gaseous emission. Annexure-5b							
24	Unit shall provide two stage alkali scrubber as APCM with storage tanks to control VOC.	Complied Unit has provided a two stage alkali scrubber as APCM with storage tanks to control VOC. VOCs Monitoring are carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of VOC monitoring from scrubber is attached in Annexure-5								
		Sr. No	Stack Attached to	APCM	Parameter					
		1	Scrubber Connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	Alkali Scrubber	SO2 Acid Mist/Sulphur Trioxide					
		2	Scrubber Connected to NSA	Alkali Scrubber	SO2					
		3	Scrubber Connected to DCP	Alkali Scrubber	NOx					
		4	Scrubber Connected to Tank Farm-1	Alkali Scrubber	VOC					
		5	Scrubber Connected to Tank Farm-2	Alkali Scrubber	voc					
		6	Common Alkali Scrubber Connected to SO2 Tank Farm	Alkali Scrubber	SO2					
		7	DCA Plant vacuum pump storage tank	Water Scrubber	VOC					
		8	HNO3 Tank	3 stage lime scrubber	NOx					
		9	Liq SO3 and 25% oleum tank	Acid Scrubber	SO2					
		10	SAC and TAR plant	Alkali Spray Scrubber	SO2 VOC					
		11	DCP Plant: DCA Sulphate	Ventury	SO2					
1	1	1								

		Ve	ent				Vater Scrubber	VOC	
25	Unit shall provide two stage alkali scrubber as APCM with storage tanks to control VOC.	to control	provided VOC. R <u>e-5</u>	Report (of VOC	monitor		crubber is	orage tanks attached in
26	Diesel to the tune of 660 Lit/hr shall be used as fuel in 2 nos. Of D.G. Set (Standby).	Diesel to the tune of 660 Lit/hr shall be used as fuel in 2 nos. Of D.G. Set (Standby). till 22/09/2021 After then Diesel to the tune of 1800 Lit/hr will be used as fuel in 3 nos. of D.G. Set. As per CC&A Amendment No. AWH - 113931 Dated on 22/09/2021 valid upto 19/02/2025. Records of diesel consumption month-wise given as below: Diesel Consumption) Lit/hr will t No. AWH		
		Мо	nth	Apr, 23	May, 23	Jun, 2	3 Jul, 23	Aug, 23	Sep,23
		Lir	mit			18	00 Lit/Hr		
		Die Consu	tal esel mption Month)	480	495	495	480	500	525
		Die Consur (Litre		0.67	0.69	0.69	0.67	0.69	0.73
		Г	The total	diesel (consump	tion is 1	ınder preso	cribed lim	it
27	Measure shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have a vapour recovery system.	emission. recovery	ensured to The un system as	it has mentic	installed oned in co	scrubb ondition		s installed	ocess vapor l a solvent
					TV	OC (PI	PM)		
		Month	Apr 202	3 May	[,] 2023 J	un 2023	Jul 2023	Aug 202	3 Sep 2023
		Locatio ns TWA Concentration (As given in Schedule-II as per factor act)					er factory		
		DCA Plant Ground Floor	BDL	В	DL	BDL	BDL	BDL	BDL
		DCA Plant 1st Floor	BDL	В	BDL	BDL	BDL	BDL	BDL

DCA						
Plant						
2nd						
Floor	BDL	BDL	BDL	BDL	BDL	BDL

The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission. Internal roads shall be either concrete or asphalted or paved properly to reduce the fugitive emission during vehicular movement. Air borne dust shall be controlled with water sprinklers at suitable locations in the plant. A green belt shall be developed all round the plant boundary and also the roads to mitigate

fugitive & transport dust emission.

28

Complied

Unit has followed below guidelines to reduce the fugitive emissions in the work zone.

Internal roads have been concreted. Photograph has been attached as below:



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



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

		Photograph	s of Greer	belt area a	ttached as l	pelow:		
		Fugitive Em GPCB/MOE Labs Pvt. Lt	EF&CC au	thorized pa	rty (Unista	r Environm	ent & Rese	arch
		Dust Monitoring (mg/m3)						
		Month	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
		Location		Behind	ETP Area	with Handy	Sampler	
		Limit	TWA C			n in Sched /m3 (Avera	_	er factory
		Air Borne Contamin ation (Total Dust)	0.15	0.18	0.15	0.12	0.13	0.15
						re under p		
29	Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.	Complied Volatile Orgo / GPCB/MC Labs Pvt. I Annexure-6 The detail ta	DEF&CC Ltd.). Rep	authorized port of Wo	party (Un ork Zone a	istar Environito	onment &	Research
30	For control of fugitive emission, VOCs, following steps shall be followed: Closed handling and charging systems shall be provided for chemicals. Reflux condenser shall be provided over Reactors / Vessels.	Closed hand Reflux condo Pumps have The plant is	enser has been prov	been provid	led over Re nechanical	actors / Ves	sels.	

Pumps shall be provided with mechanical seals to prevent leakages.





Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosure.

32

Complied Unit has provided an enclosure system for air borne dust at all transfer operations.

Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx and VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

Complied

The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorised party (Unistar Environment & Research Labs Pvt. Ltd.) . Report of Ambient air quality monitoring is attached in Annexure-7

The table for the same is as below:

The table	he table for the same is as below:							
	AAQMS Monitoring							
Locatio n	Parame ter	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	
	PM10 (100 µg/m3)	84	88	76	82	69	70	
Near Maingat e	PM2.5 (60 µg/m3)	30	32	25	20	21	25	
6	SO2 (80 µg/m3)	24.5	20.8	16.5	19.3	15.4	18.3	
	NO2 (80 μg/m3)	26.1	25.1	20.8	25.4	21.2	19.5	
	PM10 (100 µg/m3)	80	76	69	74	65	66	
Near ETP	PM2.5 (60 µg/m3)	29	27	27	31	18	22	
	SO2 (80	22.6	17.3	18.4	21.2	16.3	16.2	

			μg/m3)						
			NO2 (80						
			μg/m3)	27.7	24.1	21.5	27.1	20.5	22.3
			PM10 (100						
			μg/m3)	77	80	82	76	58	68
		Near DCS	PM2.5 (60						
		PCC Control	μg/m3)	32	29	31	26	16	24
		Room	SO2 (80 µg/m3)	22.5	18.2	18.2	22.1	15.9	15.8
			NO2 (80 μg/m3)		22.3	20.5	27.5	22.4	22.8
			The AA	QM para	meters a	re under j	prescribe	d limit	
33	Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system.	in plant control p measures	provided DCS cont	trol system pour eministrates the process	ns. All pr ssions. Ur ss vapor e	rocesses a nit has en emission.	rocess vap are taken i asured to t	n a close	loop to
34	The fugitive emission in work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission. Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement. Air borne dust shall be controlled with water sprinklers at suitable locations in the plant. A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.	Complied Unit has f work zone Internal ro Photograph Water sprin Photograph Green belt to mitigate Photograph Table of D	ads have the same has been to fugitive to	peen concreme is given the been promise is given developed transporting the transporting the concrete transporting the concrete transporting the concrete transporting transpo	reted. en in Poin ovided at sen in Poin I in and ar t dust emi	t No. 28 suitable lo t No. 28 ound the pission. t No. 28	cations in	the plant.	
A.4 S	SOLID/HAZARDOUS WASTE								
35	ETP Sludge shall be disposed off at the active common TSDF.	Complied ETP sludge is being disposed of to common TSDF sites such as BEIL. Membership certificate for TSDF site has been received and attached in Annexure-3 Annual Generation & Disposal Quantity of Landfill Waste (ETP Sludge &							
		Mee Salt)	is as Follo	ows:		ı			
			Month	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
		Waste	Limit			4800 M	T/ Year		
							<u></u>	<u></u>	

		ETP Waste	Generation	a 49.630	17.740	23.610	14.76	50 1	.5	12.6
		(35.3)	Dispos	4 1.5						_
		(MT)	al	D XX	21.150	15.11	12.75		0	0
			has disp	P Waste gerosed of all Ing the Comp	ETP Slud	ge & ME	E salt to	o Comm		OF site
36	Discarded containers/ drums/ bags/ contaminated HDPE / LDPE bags shall be disposed by selling to authorized recyclers.		ll discar	d containers						E bags
		Wa		month	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
				Limit		Wha	tsoever	Genera	ited	
		Discard contain								
		drums/		Generation	0	0	0.910	0	0	0
		contam HDPE/								
		LDPE	bags							
		(33.1) (Disposal	0	0	0.910	0	0	0
			All V	Vaste gener	ation is t	inaer tn	Prescr	ibea iin	nit.	
37	Used oil shall be sold only to the registered re-processor or use for lubrication within premises.		ne Comp	pliance perio				d oil w	as sent	to the
		Waste	month	Apr 2023	May 2023	Jun 2023	Jul 20	731	ug)23	Sep 2023
			Limit			6 KL	/Annum	1		
		Used Oil	Generation	a 3.5	0	0	0.2		0	0
		Generat ion(5.1) (KL)		s 0	2.150	0	0		0	0
			Us	sed Oil Gen	eration u	ınder pr	escribed	l limit		
38	Spent carbon, Gypsum shall be sent for co-processing in cement industries or send to Common Hazardous Waste Incineration facility for incineration.	Complied unit has n		ated the Spe	nt Carboi	n till the	date.			
39	Management of spent solvent shall be as per the specific condition mentioned above.							. 3.		
A.5 (OTHER									

40	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Jyoti Om Chemical Research Center Pvt. Ltd., Ankleshwar and submitted by project proponent vide letter no. NIL dated 02/02/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Complied Unit strictly adheres to the commitments made to the SEAC. Annexure-8
B. GEI	NERAL CONDITIONS	
B.1 C	CONSTRUCTION PHASE	
41	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Complied Unit has used Fosrock make Plasticizer & Curing agent to reduce the water consumption during our construction phase. During the current monitoring phase, project based construction was not in place.
42	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Complied Unit is practicing Covering trucks and water sprinkling to eliminate dusting. During the current monitoring phase, project based construction was not in place.
43	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied Adequate sanitary and hygienic conditions were provided.
44	First Aid Box shall be made readily available in adequate quantity at all the times.	Complied Unit has provided an adequate first aid box and is maintained in good condition.
45	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Services) Act 1996 and Gujarat	Complied Unit has converted to operation phase from construction phase and obtained -Factory Licence No. 41555, dated: 1st February, 2020. Attached as Annexure-9

	rules made there under their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	
46	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.	Complied Noise monitoring is being carried out by an approved NABL / GPCB/ MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) The noise levels in the plant conform to the standards prescribed in the EPA Act, 1986. During the construction phase, mock drills were arranged by the safety department, now the unit is in operation phase, therefore monitoring the noise levels from time to time. Copy of the report has been attached as Annexure-10. The Noise monitoring detail has been provided in Point No. 87.
47	Use of Diesel Generator (DG) sets during the construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Complied Unit was not using DG sets in construction phase- unit will ensure the compliance of emission standards during usage of DG sets. Monthly monitoring reports for flue gas emission are attached in Annexure-11
48	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	Complied Sewage waste water was collected and Treated of through a STP Plant.
49	All topsoil excavated during construction activity shall be used in horticulture/ landscape development within the project site.	Complied All the excavated soil was used for landscape developing and back filling within the premises.
50	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create an adverse effect on neighbouring communities.	Complied All the excavated soil was used for landscape developing and back filling within the premises and our sister concerns units.
51	Project proponents shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	Complied Unit was using RMC and Lead free paint in the project.
52	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.	Complied Unit has used PPC cement.
B.2 C	PPERATION PHASE	
B.2.1	WATER	

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

57	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.	Complied Report of flue gas emission monitoring is attached in Annexure-11 & process gas emission monitoring of APCM scrubbers are attached in Annexure-12
58	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied All reactors and vessels are in a closed loop. VOC monitoring report of the workplace area is attached in Annexure-6 . The same has been detailed in Point No. 29.
B.2.3	HAZARDOUS/SOLID WASTE	
59	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.	Complied Unit has received fresh CC&A order No. AWH-108072, Date of Issue 10/09/2020, Valid upto 19/02/2025. CC&A Amendment No. AWH - 113931 Dated on 22/09/2021, AWH - 113932 Dated: 08/10/2021 & AWH-123267 Dated: 18/12/2022 for product mix If required in future we will do amendments from time to time. Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/Labelling-Form 8/ TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc.
60	Hazardous waste shall be dried, packed and stored in a separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied Unit has provided a hazardous waste storage area with a pucca bottom and leachate collection facility.

		Photograph of Hazardous waste storage area
61	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	Complied Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in Annexure-3
62	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988 and rules made there under.	Complied Unit is ensuring to deploy trucks/Tankers as per the provisions under the Motor Vehicle Act, 1988 and rules made there under for the transportation of hazardous waste. Unit is Following the AIS 140 based GPS tracking System for all the Hazardous Waste Vehicle.
63	The design of the Trucks/ tankers shall be such that there is no spillage during transportation.	Complied Unit is ensuring to deploy trucks/Tankers suitable for hazardous waste so that there will not be any leakage / spillage during transportation.
64	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied Unit is putting all efforts to pre-treat / process the hazardous waste before disposal to TSDF / CHWIF.
65	Management of fly ash (If any) shall be as per the Fly Ash Notification 2009 & its amendment time to time and it shall be ensures that there is 100% utilization of fly ash to be generated from the unit.	Complied Fly ash is not being generated from the unit.
B.2.4	4 SAFETY	
66	The occupier/ manager shall strictly comply with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.	Complied The occupier has strictly complied with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.

The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for Handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosive and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.

Complied

The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989.

PESO Certificate attached in **Annexure-13**

On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and same has been attached in **Annexure-14**

Main entry and exit shall be separate and clearly marked in the facility.

Complied

Main entry & Exit were separated and have been constructed marked clearly.

Photographs of Entry



Photograph of Exit



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

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

		14 Numbe (Methylene	rs of First Aid Box are Blue, Dipotherene, etc) fo OHC at site.				
82	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	handling. I employees	Pre-employment and routine	afety and health aspects of chemical periodical medical examinations for all Training to all employees on handling			
		SR No.		lth aspects training	to employes		
			Total Employees		Safety Induction		
		1	293	185			
				Total no. of Contract Employees			
		1	Apr- Sep 23	165	139		
				1			

83	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	Complied Occupational health surveillance of the workers is carried out on a hal basis and records are maintained as per the factory act. Following check up has been carried out in periodical medical checkup. General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differer count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers Details of health surveillance of the employees and contract workers a below: Month of surveillance Total no. of Employees					
			304				
			Month of Surveillance	No. of Persons]		
			Apr, 23	41			
			May, 23	31	-		
			June, 23	39			
			July,23	171	-		
			Aug, 23	6			
			Sep, 23	16]		
		Medical		Sample Report have been atta kure-18	ached in		
84	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.		that the Transportation of visions of the Motor Vehicle	hazardous chemicals is being Act and Rules.	ng done as		
85	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	Complied The unit has adhered to the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report. The letter submitted to DISH for Risk Assessment Report, Safety Audit Report, QRA study. The same has been attached in Annexure-14 The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. Annexure-16 .					
86	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	PESO is att Unit has o Attached as The letter s					

B.2.5 NOISE

Rules.

87 The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under

The Environment (Protection) Act, 1986 &

Complied

The Unit has taken necessary noise control measures by providing engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. Unit is monitoring noise level month wise in the operation phase. Report of Noise monitoring is attached in Annexure-10

Details of Noise Monitoring

								Mo	nth					
	GPCB Limit				Mag	May-23		e-23	July-23		Aug-23		Sep-23	
Loca	Day	Night	Day	Nigh t	Day	Nig t								
tion				•		•	N	oise Lev	el dB ((A)				
Near ETP area			65 .5	51 .8	66	49 .5	67 .8	52 .5	68 .5	51 .6	63 .9	53 .4	65 .2	52 .3
Near D.G. Set			72 .5	55 .2	71 .9	56 .1	72 .5	54 .5	73 .2	53 .2	71 .6	55 .2	69 .2	5 ⁴ .2
Near Main Gate			65 .1	52 .3	64	53 .6	73 .4	54 .2	67 .5	55 .4	72 .5	53 .1	70 .5	5: .4
Near DCA Plant			67 .2	54 .2	68 .1	52 .4	67 .3	55 .6	68 .2	56 .2	68 .1	66	67 .2	62
Near Mate rial Gate		B (A) B (A)	66	53 .4	65 .2	54 .3	66	53 .8	67 .1	55 .1	67 .2	54 .5	66 .5	5:

All the parameters under prescribed limit

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION

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.

89

Complied

Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat Approved by AICTE, New Delhi & Affiliated to GTU, Ahmedabad.

Cleaner Production Assessment study report is attached as an Annexure-22

The company shall undertake various waste minimization measures such as:

Complied

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

Metering and control of quantities of active ingredient to minimize waste

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

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

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

Use of automated and close filling to minimize spillages.

Unit has installed automated and close filling to minimize spillages.

Use of a close feed system into batch reactors.

Venting equipment through vapour recovery system.

Use of high pressure hoses for clearing to reduce

wastewater generation.

Recycling of washes to subsequent batches.

Recycling of steam condensate.

Sweeping/ mopping of floor instead of floor washing to avoid effluent generation.

Regular preventive maintenance for avoiding leakages, spillages etc.

Closed feed system into batch reactors is in practice.

Venting equipment through a vapour recovery system is in practice.

Unit uses high pressure hoses for clearing to reduce wastewater generation.

Unit is doing Recycling of washes to subsequent batches.

Unit is doing Recycling of steam condensate.

Unit is doing Sweeping/mopping the floor instead of floor washing to avoid effluent generation.

Unit has done Regular preventive maintenance for avoiding leakages, spillages etc.

B.2.7 GREEN BELT AND OTHER PLANTATION

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

Complied

The greenbelt has been developed and maintained by the unit regularly. Total area of plot :- 54803.04 m2

Greenbelt within Plant Premises :- 10367.85 m2 ,

Greenbelt at common plot of Dahej SEZ II :- 2120.84 m2

Green Belt at Luvara Village:- 5700 m2

Total Green Belt :- 18188.69 m2

photographs for the same attached as below:



Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

Complied

Unit has provided a low-angle sprinkler system for the green belt development within the premises.

Photographs for the same attached as below:



B.3 OTHER CONDITION

Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.

Complied

The Unit ensures the rain water harvesting of the surface as well as rooftop runoff has been undertaken and the same water was used for the various activities of the project to conserve fresh water.

Rain water harvesting tank with the capacity of 100 KL is provided for the Storage of Rain Water for using the collected water during the monsoon.

93 The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt./GIDC.

Complied

The unit will participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or SEZ / GIDC or GPCB or any such authority created for this purpose by the Govt.

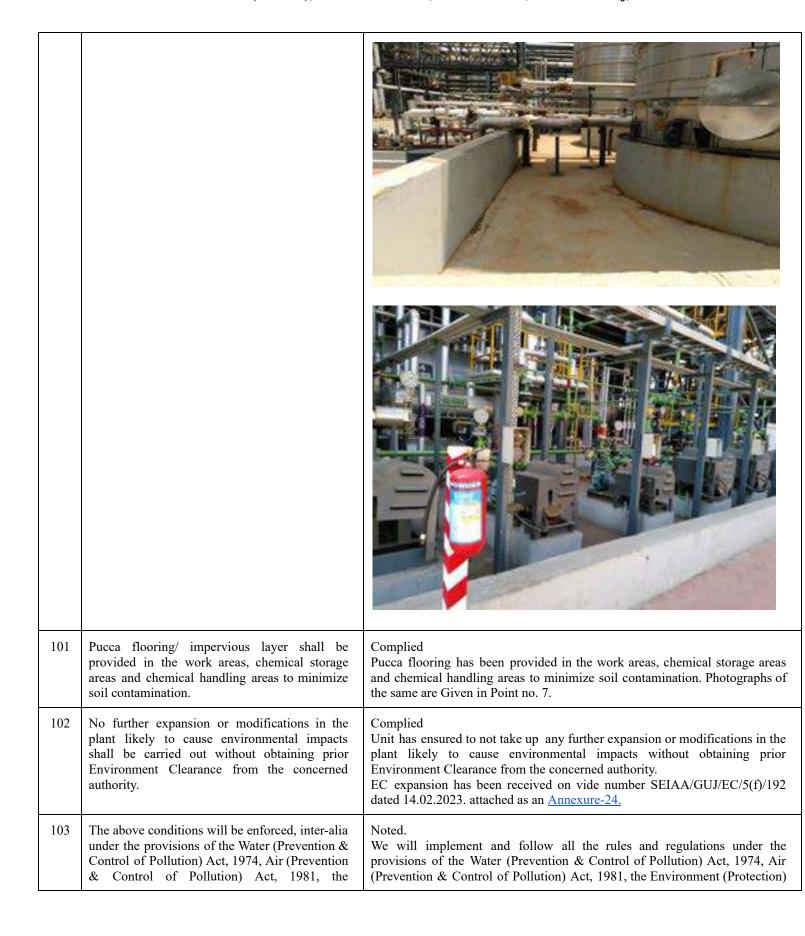
Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.

Complied

Solar energy had been incorporated for illumination of common areas, , lighting etc.



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



	Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.					
104	The project proponent shall comply with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules 2014" and its amendments from time to time in a letter and spirit.	Complied The project proponent has complied with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules 2014" and its amendments from time to time. The CER/CSR activities list have been attached herewith					
		Name of Associated NGO	Nature of Work	Amount (Rs)			
		Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-			
		Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs			
105	The project management shall ensure that the unit complies with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	Complied. Unit has complied with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report. The same has been attached in Annexure-16 .					
106	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied The Unit has provided adequate funds and has not diverted the funds provided to implement the conditions stipulated by SEIAA as well as GPCB. The unit has allocated funds towards expenses of operation for waste water treatment plant, environmental monitoring, auditing and Hazardous waste disposal.					
107	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy of each of the same shall be	local newspapers and	garding the environmental cle the copy of the same was sub ame has been attached in Ann	bmitted to the concerned			

		T
	forwarded to the concerned Regional Office of the Ministry.	
108	It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.	Complied Last half yearly compliance report for the period of Oct 2022 to March 2022 submitted on the date of 31st May, 2023.
109	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
110	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied Unit will strictly adhere to the stipulations made by the Gujarat Pollution Control Board.
111	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
112	The company in a time bound manner shall implement these conditions. The SIEAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted.
113	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied Unit has received fresh CC&A order No AWH-108072, dated-10/09/2020, Valid upto 19/02/2025 and further amendment was done with AWH-113931 dated on 22/09/2021 & AWH-113932 dated on 08/10/2021.
114	This environmental clearance is valid for seven years from the date of issue.	Noted.
115	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
116	Submission of any false or misleading information or data which is material to screening of scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted.

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

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



ABC TYPE FIRE EXTINGUISHER MONTHLY INSPECTION DIAMOND UNIT - DAHEJ

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



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



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



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



SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
109	ABC	09 KG	PHENOL BUILDING			INVISIBLE	ОК
110	ABC	09 KG	HT ROOM	HT ROOM HT ROOM/GF/123 GROUND FLOOR		06207	OK
111	ABC	09 KG	HT ROOM	HT ROOM/GF/124	GROUND FLOOR	06223	OK
112	ABC	09 KG	HT ROOM	HT ROOM/FF/125	FIRST FLOOR	06152	OK
113	ABC	09 KG	HT ROOM	HT ROOM/FF/126	FIRST FLOOR	06206	OK
114	ABC	75 KG	MCC.DG AREA	MCC.DG/GF/127	OUTSIDE	00101	OK
115	ABC	75 KG	MCC.TRANS AREA	MCC.TR/GF/128	OUTSIDE	00102	OK
116	ABC	09 KG	MCC BUILDING	MCC TERRACE/129	TERRACE AREA	06166	OK
117	CLEAN AGENT	04 KG	CATALYST ROOM	CATALYST ROOM-132	GROUND FLOOR	00378	OK
118	CLEAN AGENT	04 KG	CATALYST ROOM	CATALYST ROOM-133	GROUND FLOOR	00380	OK
119	ABC	09 KG	COOLING TOWER	COOLING TOWER/134	GROUND FLOOR	06151	OK
120	ABC	09 KG	COOLING TOWER	COOLING TOWER/135	GROUND FLOOR	INVISIBLE	OK
121	ABC	09 KG	MCC BUILDING - T/F	GC/LAB/136	THIRD FLOOR	06155	OK
122	ABC	09 KG	MCC BUILDING - T/F	S.C. ROOM/LAB/137	THIRD FLOOR	06222	OK
123	ABC	09 KG	MCC BUILDING - T/F	WASHING AREA LAB/138	THIRD FLOOR	06153	OK
124	ABC	09 KG	MCC BUILDING - T/F	WET LAB/139	THIRD FLOOR	INVISIBLE	OK
125	ABC	09 KG	MCC BUILDING - T/F	WET LAB/140	THIRD FLOOR	06215	ОК
126	ABC	09 KG	MCC BUILDING - T/F	MCC/GF/141	GROUND FLOOR	06167	OK
127	ABC	09 KG	MCC BUILDING - T/F	QC LAB/142	THIRD FLOOR	06191	OK
128	ABC	09 KG	MEE PLANT	MEE/GF/143	GROUND FLOOR	06219	OK
129	ABC	09 KG	MEE PLANT	MEE/GF/144	GROUND FLOOR	INVISIBLE	OK
130	ABC	09 KG	PHENOL BUILDING	ETP/PHE/GF/145	GROUND FLOOR	06212	OK
131	ABC	ABC 09 KG MCC BUILDING MCC TERRACE/14		MCC TERRACE/146	TERRACE AREA	6180	OK
132	ABC	09 KG	INSTRUMENT WAREHOUSE	INST/WH/147 GROUND FLOOR		06231	ок
133	ABC	06 KG	SAC PLANT	SAC/GF/148	GROUND FLOOR	08887	OK
134	ABC	06 KG	SAC PLANT	SAC/FF/149	FIRST FLOOR	36258	OK



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



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

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

38	CO2	4.5 KG	CR	CR/GF/42	GROUND FLOOR	42512	YES	OK
39	CO2	22.5 KG	FIRE TENDER	F/T	LOCKER NO - 03	26476	YES	OK
40	CO2	22.5 KG	FIRE TENDER	F/T	LOCKER NO - 04	26480	YES	OK
43	CO2	4.5 KG	F.W.P.H	FWPH/43	IN SIDE FWPH	42508	YES	OK
44	CO2	4.5 KG	DCP	DCP/GF/44	DCP/EAST SIDE	8770	YES	OK
45	CO2	4.5 KG	DCP	DCP/GF/45	DCP/EAST SIDE	8769	YES	OK
46	CO2	4.5 KG	ADMIN	ADM/FF/50	PANEL ROOM	31511	YES	OK
47	CO2	4.5 KG	ADMIN	ADM/FF/51	PANEL ROOM	25221	YES	OK
48	CO2	4.5 KG	ADMIN	ADM/SF/52	PANEL ROOM	11288	YES	OK
49	CO2	4.5 KG	ADMIN	ADM/SF/53	PANEL ROOM	25224	YES	OK
50	CO2	9 KG	ETP-01	ETP-01/GF/54	IN SIDE ETP-01	00341	YES	OK
51	CO2	4.5 KG	PARKING AREA	PARKING-55	IN SIDE PARKING MAIN GATE	25214	YES	OK
52	CO2	4.5 KG	PARKING AREA	PARKING-56	IN SIDE PARKING MAIN GATE	31509	YES	OK
53	CO2	4.5 KG	ISO MCC ROOM	ISO MCC ROOM/FF/57	IN SIDE PANEL ROOM	25220	YES	OK
54	CO2	4.5 KG	ISO MCC ROOM/	ISO MCC ROOM/FF/58	IN SIDE PANEL ROOM	25217	YES	OK
55	CO2	4.5 KG	FIRE STATION	FIRE STATION G/F 59	FIRE STATION G/F	25216	YES	OK
56	CO2	4.5 KG	ADMIN	INST.W.S/60	INST.W.S	31512	YES	OK
57	CO2	4.5 KG	DIAMOND	VW.SHOP/61	VISHAL WORKSHOP	25211	YES	OK
58	CO2	4.5 KG	FIRE STATION	FIRE.S/FF/62	FIRE STATION	25218	YES	OK
59	CO2	4.5 KG	DIAMOND	E&I CONT. W.S/63	WORKSHOP	31510	YES	OK
60	CO2	4.5 KG	ADMIN	ADM/64	TERRACE	25205	YES	OK
61	CO2	4.5 KG	QC LAB	HPLC / 65	IN SIDE LAB	31513	YES	ОК
62	CO2	4.5 KG	OHC PENAL	OHC PANEL / 66	PANEL ROOM	-	YES	ОК
65	CO2	4.5 KG	FWPH TERRACE AREA	FWPH / 69	FWPH SOLAR PENAL			
66	CO2	4.5 KG	FWPH TERRACE AREA	FWPH / 70	FWPH SOLAR PENAL			

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

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

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



Certificate

Certificate No.: 1200004040

To Whomsoever it may concern

This is to certify that

AARTI INDUSTRIES LIMITED

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

BHARUCH is a valid member of

SAURASHTRA ENVIRO PROJECTS PVT. LTD.

for

Integrated Common Incineration Facility

This membership is valid for a period of 5 Years

Date of Issue

: 17.09.2020

For, Saurashtra Enviro Projects Pvt. Ltd.

Date of Expiration: 16.09.2025

Place of Issue

: Surat

Director

SUBJECT TO SURAN JURISDICTION



BEIL INFRASTRUCTURE LIMITED

(Formely Known As Bharuch Enviro Infrastructure Limited)

04th SEPTEMBER, 2020

To,

AARTI INDUSTRIES LTD. (DAHEJ UNIT II)

PLOT NO.Z/103/C,

DAHEJ SEZ II,

TA-VAGRA, DIST-BHARUCH.

Sub: Membership Certificate for Common Incineration Facility

Dear Sir,

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

Thanking you,

Yours faithfully,

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

AUTHODISED STONATORY

CIN No.: U45300GJ1997PLC032696

Regd. Office: Plot No. 9701-16 GIDC Estate, Post Box No. 82, Ankleshwar 393 002, Dist.: Bharuch (Gujarat)

Phones (02646) 253135, 225228 • Fax : (02646) 222849 • E-mail : dalwadibd@beil.co.in



BEIL INFRASTRUCTURE LIMITED

(Formely Known As Bharuch Enviro Infrastructure Limited)

REF: BEIL/ANK/2022

12th JULY, 2022

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

Sub: Membership Certificate for Common Solid Waste Disposal Facility

Dear Sir,

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

1) Total TSDF Capacity of BEIL Dahej: 1900000 MT

2) Total Consented Capacity: 1900000 MT.
3) Total Occupied Capacity: 887848.468 MT

4) Spare Capacity: 1012151.532 MT

Thanking you,

Yours faithfully,

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

AUTHORISE SIGNATORY

CIN No.: U45300GJ1997PLC032696



Certificate

To whomsoever it may concern This is to certify that



Certificate No: 4100009271

AARTI INDUSTRIES LTD UNIT 2

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

is a valid member of

Recycling Solutions Private Limited Unit-II

for Alternate Fuel Resource Facility.

This membership is valid for a period of 10 Years

Date of issue : 02.06.2020 Date of expiration : 01.06.2030

Place of issue : SURAT

For, Recycling Solutions Private Limited Unit-II

Director/Authorised signatory

Waste Information

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

SUBJECT TO JURISDICTION





GC:NAEET Accredited BA & GW Consultant Organization GFC8 Recognized Environmental Auditor (Schedule II)

BO 9001 2015 Certified Company ISO 43001 : 2018 Certified Company

TEST REPORT

	(STACK MON	i Oking)		
Test Report No.	UERL/23/04/AIL-2/S-004	Report Issue Date	05/05/2023	
Service Request form No.	UERL/AIR/D/SRF/04/S-004	JERL/AIR/D/SRF/04/S-004 Service Request Date		
Sample ID No.	UERL/AIR/D/ID/S-23/04/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/004	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	19/04/2023 Date of Testing 20/04/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)			
Air Pollution Control Device	Alkali Scrubber			

> Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation	
1.	Stack Height	m	11	
2.	Ambient Temperature	°C	33	
3.	Flue Gas Temperature	All Complete of Miller Search Treat	48	

> Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

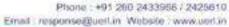
Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 10

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

UERL/AIR/F-04/04





GC:NAEET Accredited BA & GW Consultant Organization GFC8 Recognized Brykonmental Auditor (Schedule II)

BO 9001 2015 Certified Company SO 43001:2018 Certified Company

TEST REPORT (STACK MONITORING)

	(STACK MISHING)			
Test Report No.	UERL/23/04/AIL-2/S-005	Report Issue Date	05/05/2023	
Service Request form No.	UERL/AIR/D/SRF/04/S-005	JERL/AIR/D/SRF/04/S-005 Service Request Date		
Sample ID No.	UERL/AIR/D/ID/S-23/04/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/005	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	19/04/2023	Date of Testing	20/04/2023	
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)			
Air Pollution Control Device	Alkali Scrubber			

> Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	°C	45

> Test Parameter Results

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

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

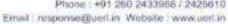
3) **: Limit Not Define in GPCB CC&A.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





GC:NAEET Accredited BA & GW Consultant Organization GFC8 Recognized Environmental Auditor (Schedule II)

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TEST REPORT (STACK MONITORING)

(STACK MONTOKING)				
Test Report No.	UERL/23/05/AIL-2/S-004	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/05/S-004	Service Request Date	31/05/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/05/004	UERL/AIR/D/ID/S-23/05/004 Field Data Sheet No.		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	31/05/2023	Date of Testing	01/06/2023	
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) Alkali Scrubber			
Air Pollution Control Device				

> Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation	
1.	Stack Height	m	11	
2.	Ambient Temperature	°C	35	
3.	Flue Gas Temperature	MICHINES OC MILITES ESTERNIS	44	

> Test Parameter Results

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

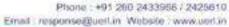
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





GC:NAEET Accredited BA & GW Consultant Organization GFC8 Recognized Brykonmental Auditor (Schedule II)

BO 9001 2015 Certified Company SO 43001 : 2018 Certified Company

TEST REPORT (STACK MONITORING)

(STACK MODITIONING)				
UERL/23/05/AIL-2/S-005	Report Issue Date	07/06/2023		
UERL/AIR/D/SRF/05/S-005	Service Request Date	31/05/2023		
UERL/AIR/D/ID/S-23/05/005	UERL/AIR/D/ID/S-23/05/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
31/05/2023	Date of Testing	01/06/2023		
Scrubber Connected to The Tanks (Tank Farm 2)				
Alkali Scrubber				
	UERL/23/05/AIL-2/S-005 UERL/AIR/D/SRF/05/S-005 UERL/AIR/D/ID/S-23/05/005 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Scrubber Connected to The Ta	UERL/23/05/AIL-2/S-005 Report Issue Date UERL/AIR/D/SRF/05/S-005 Service Request Date UERL/AIR/D/ID/S-23/05/005 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing Scrubber Connected to The Tanks (Tank Farm 2)		

> Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	°C	46

Test Parameter Results

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

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Phone: +91 260 2433966 / 2425610

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

MaEF&CC. (GOI) Recognized Environmental Laboratory under the EPA-1986 (\$1.03.2023 to 22.09.2024)

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)				
UERL/23/06/AIL-2/S-004	Report Issue Date	07/07/2023		
UERL/AIR/D/SRF/06/S-004	UERL/AIR/D/SRF/06/S-004 Service Request Date			
UERL/AIR/D/ID/S-23/06/004	UERL/AIR/D/ID/S-23/06/004 Field Data Sheet No. UERL/AIR			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
22/06/2023	22/06/2023 Date of Testing 23/06/2023			
Scrubber Connected to The Tanks (Tank Farm 1)				
Alkali Scrubber				
	UERL/23/06/AIL-2/S-004 UERL/AIR/D/SRF/06/S-004 UERL/AIR/D/ID/S-23/06/004 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Scrubber Connected to The Ta	UERL/23/06/AIL-2/S-004 Report Issue Date UERL/AIR/D/SRF/06/S-004 Service Request Date UERL/AIR/D/ID/S-23/06/004 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Date of Testing Scrubber Connected to The Tanks (Tank Farm 1)		

> Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation	
1.	Stack Height	m	11	
2.	Ambient Temperature	°C	30	
3.	Flue Gas Temperature	MICHINE I oc MILLES EST II FROM	42	

> Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

Phone: +91 260 2433966 / 2425610

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

MaEF&CC. (GOI) Recognized Environmental Laboratory under the EPA-1986 (3): 03:2023 to 22:09:2024

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TEST REPORT

(STACK MONITORING)

(STACK MONTONING)				
Test Report No.	UERL/23/06/AIL-2/S-005	Report Issue Date	07/07/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	22/06/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/06/005	UERL/AIR/D/ID/S-23/06/005 Field Data Sheet No. UERL/AIR/D		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/06/2023	Date of Testing	23/06/2023	
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)			
Air Pollution Control Device	Alkali Scrubber			

Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

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

Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Phone: +91 260 2433966 / 2425610

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

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GPCS Recognized Environmental Auditor (Siche dule-II)

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TEST REPORT

(STACK MONITORING)

(**************************************				
Test Report No.	UERL/23/07/AIL-2/S-004	Report Issue Date	05/08/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-004			
Sample ID No.	UERL/AIR/D/ID/S-23/07/004			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	24/07/2023	Date of Testing	25/07/2023	
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)			
Air Pollution Control Device	Alkali Scrubber			

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation	
1.	Stack Height	m	11	
2.	Ambient Temperature	°C	30	
3.	Flue Gas Temperature	MICHINE I oc MILLES EST II FROM	42	

Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Page | 10

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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

UERL/AIR/F-04/04

Phone: +91 260 2433966 / 2425610

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

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/07/AIL-2/S-005	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-005	Service Request Date	24/07/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/07/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/005		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023	24/07/2023 Date of Testing 25/07/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

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

Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Phone: +91 260 2433966 / 2425610

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

MaEFRCC (GOI) Recognized Environmental Laboratory under the EPA-1986 (3): 03:2023 to 22:09:2024

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TEST REPORT

(STACK MONITORING)

(**************************************				
Test Report No.	UERL/23/08/AIL-2/S-004	Report Issue Date	05/09/2023	
Service Request form No.	UERL/AIR/D/SRF/08/S-004			
Sample ID No.	UERL/AIR/D/ID/S-23/08/004			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023	
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1) Alkali Scrubber			
Air Pollution Control Device				

> Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

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

> Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

Phone: +91 260 2433966 / 2425610

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

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/08/AIL-2/S-005	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-005	22/08/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/08/005	UERL/AIR/D/ID/S-23/08/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	22/08/2023 Date of Testing 23/08/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

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

Test Parameter Results

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

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Phone: +91 260 2433966 / 2425610 Email: response@uert.in Website: www.uert.in

MoEF&CC (GOI) Recognized Environmental QCHMAEI Accorded SA & GW Laboratory under the EPA-1986 (\$1.03.2023 to 22.09.2024) Consultant Organization

GPCS Recognized Environmental Auditor (5 chedule-II) 50 9001 : 2015 Certified Company ISO 45001:2018 Centiled Company

TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/09/AIL-2/S-004	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-004	UERL/AIR/D/SRF/09/S-004 Service Request Date 21/09/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/09/004	UERL/AIR/D/ID/S-23/09/004 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	21/09/2023	Date of Testing	22/09/2023		
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)				
Air Pollution Control Device	Alkali Scrubber				

> Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

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

> Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

Phone: +91 260 2433966 / 2425610

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

MaEF&CC. (GOI) Recognized Environmental Laboratory under the EPA-1986 (3): 03:2023 to 22:09:2024

QCHNABELAccorded EX. & OW Consultant Organization GPCS Recognized Environmental Auditor (Siche dule-II) 50 9001 : 2015 Certified Company ISO 45001:2018 Centiled Company

TEST REPORT

(STACK MONITORING)

(STACK MONTOKINA)				
Test Report No.	UERL/23/09/AIL-2/S-005	Report Issue Date	05/10/2023	
Service Request form No.	UERL/AIR/D/SRF/09/S-005	21/09/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/09/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	21/09/2023	Date of Testing	22/09/2023	
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)			
Air Pollution Control Device	Alkali Scrubber			

Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

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

Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





GC:NAEET Accredited BA & GW Consultant Organization GFC8 Recognized Environmental Auditor (Schedule II)

BO 9001 2015 Certified Company SO 43091:2918 Certified Company

TEST REPORT (STACK MONITORING)

(STACK WORLD CHIEF)					
Test Report No.	UERL/23/04/AIL-2/S-011	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-011	UERL/AIR/D/SRF/04/S-011 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/04/011	UERL/AIR/D/ID/S-23/04/011 Field Data Sheet No.			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	°C	48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

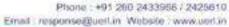
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





GC:NAEET Accredited BA & GW Consultant Organization GFC8 Recognized Environmental Auditor (Schedule II)

BO 9001 2015 Certified Company SO 43001:2018 Certified Company

TEST REPORT (STACK MONITORING)

(STACK MONITORING)				
UERL/23/04/AIL-2/S-014	Report Issue Date	05/05/2023		
UERL/AIR/D/SRF/04/S-014	JERL/AIR/D/SRF/04/S-014 Service Request Date 19/04/202			
UERL/AIR/D/ID/S-23/04/014	UERL/AIR/D/ID/S-23/04/014 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/			
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
19/04/2023	Date of Testing	20/04/2023		
Scrubber Connected to NSA (S-2)				
Alkali Scrubber				
	UERL/23/04/AIL-2/S-014 UERL/AIR/D/SRF/04/S-014 UERL/AIR/D/ID/S-23/04/014 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Scrubber Connected to NSA (S	UERL/23/04/AIL-2/S-014 Report Issue Date UERL/AIR/D/SRF/04/S-014 Service Request Date UERL/AIR/D/ID/S-23/04/014 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing Scrubber Connected to NSA (S-2)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	mion mes °C mi Hesse	nch Labs Pyr Lid 45

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

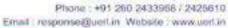
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





GC:NAEET Accredited BA & GW Consultant Organization GFC8 Recognized Environmental Auditor (Schedule II)

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TEST REPORT (STACK MONITORING)

Test Report No.	UERL/23/05/AIL-2/S-011	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-011	L/AIR/D/SRF/05/S-011 Service Request Date	
Sample ID No.	UERL/AIR/D/ID/S-23/05/011	UERL/AIR/D/ID/S-23/05/011 Field Data Sheet No.	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
Air Pollution Control Devise	Alkali Scrubber		

Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

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

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

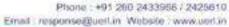
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





GC:NAEET Accredited BA & GW Consultant Organization GFC8 Recognized Environmental Auditor (Schedule II)

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TEST REPORT (STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/05/AIL-2/S-014	Report Issue Date	07/05/2023		
Service Request form No.	UERL/AIR/D/SRF/05/S-014	RL/AIR/D/SRF/05/S-014 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/05/014	JERL/AIR/D/ID/S-23/05/014 Field Data Sheet No. UE			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	31/05/2023 Date of Testing 01/06/2023			
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	mion mes °C mi Hesse	nch Labs Pyr Lid 45

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

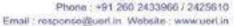
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





MaEF&CC. (GOI) Recognized Environmental Laboratory under the EPA-1986 (3): 03:2023 to 22:09:2024

QCHNABELAccorded EX. & CW Consultant Organization GPCS Recognized Environmental Auditor (5 chedule-II) 50 9001 : 2015 Certified Company ISO 45001:2018 Centiled Company

TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/06/AIL-2/S-011	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-011	Service Request Date	22/06/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/06/011	JERL/AIR/D/ID/S-23/06/011 Field Data Sheet No.			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/06/2023	22/06/2023 Date of Testing 23/06/2023			
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

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

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

MoEFECC (GOI) Recognized Environmental

Loboratory under the EPA-1986 (3):03:2023 to 22:09:2024]

White House Near G.I.D.C. Office, Char Resta, Vapi - 396 195, Gujarat, India.

Phone: +91 260 2433966 / 2425610 Email: response@uert.in Website: www.uert.in

Consultant Organization

GPC9 Recognized Strylormental Auditor (5 chedule-II)

50 9001 : 2015 Certified Company 150 45001 : 2016 Centiled Company

TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/06/AIL-2/S-014	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-014	RL/AIR/D/SRF/06/S-014 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/06/014	JERL/AIR/D/ID/S-23/06/014 Field Data Sheet No. UEF			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/06/2023	22/06/2023 Date of Testing 23/06/2023			
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	mion mes °C mi Hesse	nch Labs Pyr Lid 45

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist) Authorized By:

Phone: +91 260 2433966 / 2425610

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

MoEFECC (GOI) Recognized Environmental Loboratory under the EPA-1986 (3):03:2023 to 22:09:2024]

QCHMABEL Accredited BA & GW Consultant Organization

GPCS Recognized Environmental Auditor (Siche dule-II)

BO 9001:2015 Certified Company 150 45001:2016 Centiled Company

TEST REPORT

(STACK MONITORING)

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Test Report No.	UERL/23/07/AIL-2/S-011	Report Issue Date	05/08/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-011	Service Request Date	24/07/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/07/011	UERL/AIR/D/ID/S-23/07/011 Field Data Sheet No.		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	24/07/2023	Date of Testing	25/07/2023	
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)			
Air Pollution Control Devise	Alkali Scrubber			

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

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

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Phone: +91 260 2433966 / 2425610 Email: response@uert.in Website: www.uert.in

MaEF&CC. (GOI) Recognized Environmental Laboratory under the EPA-1986 (3): 03:2023 to 22:09:2024

QCHNABELAccodited EX. & OW Consultant Organization GPC3 Recognized Environmental Auditor (5 che dule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/07//AIL-2/S-014	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07//S-014	_/AIR/D/SRF/07//S-014 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/07//014	UERL/AIR/D/ID/S-23/07//014 Field Data Sheet No. UERL/AIR/D/FDS/S-			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07//2023	24/07//2023 Date of Testing 25/07//2023			
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)				
Air Pollution Control Devise	se Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	monmes och Hesse	rch Labs Pyl Lid 46

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Phone: +91 260 2433966 / 2425610

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

MaEF&CC. (GOI) Recognized Environmental Laboratory under the EPA-1986 (3): 03:2023 to 22:09:2024

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TEST REPORT

(STACK MONITORING)

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

> Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

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

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

White House Near G.I.D.C. Office, Char Rasta, Vapi - 396 195, Gujarat, India.

Phone: +91 260 2433966 / 2425610 Empli: response@uerLin: Website: www.uerLin

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
Test Report No.	UERL/23/08/AIL-2/S-014	Report Issue Date	05/09/2023	
Service Request form No.	UERL/AIR/D/SRF/08/S-014	Service Request Date	22/08/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/08/014	UERL/AIR/D/ID/S-23/08/014 Field Data Sheet No.		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023	
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)			
Air Pollution Control Devise	Alkali Scrubber			

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler Serial Number 91-I-19		
Calibration Date	03/02/2023 Next Calibration Due on 02/02/2		02/02/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	men me l°C m l l este	arch Labs Pv. Ltd 348

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist) Authorized By:

White House Near G.I.D.C. Office, Char Rasta, Vapi - 396 195, Gujarat, India.

Phone: +91 260 2433966 / 2425610

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

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QCHMABEL Accredited BA & GW Consultant Organization

GPCS Recognized Environmental Auditor (Siche dule-II)

BO 9001:2015 Certified Company 150 45001:2016 Centiled Company

TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/23/09/AIL-2/S-011	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-011		
Sample ID No.	UERL/AIR/D/ID/S-23/09/011		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
Air Pollution Control Devise	Alkali Scrubber		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

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

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

White House Near G.I.D.C. Office, Char Rests, Vapi - 396 195, Gujarat, India. Phone: +91 260 2433966 / 2425610

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

MaEF&CC. (GOI) Recognized Environmental Laboratory under the EPA-1986 (3): 03:2023 to 22:09:2024

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TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/23/09/AIL-2/S-014	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-014		
Sample ID No.	UERL/AIR/D/ID/S-23/09/014		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Devise	Alkali Scrubber		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler Serial Number 91-I-19		
Calibration Date	03/02/2023 Next Calibration Due on 02/02/2		02/02/2024

General Stack Monitoring Observation

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

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist) Authorized By:





MoSF&CC (GOI) Recognized Environmental Laboratory under the EPA-1986 (31:03:2023 to 22:09:2004)

GC:NAEET Accredited BA & GW Consultant Organization GFC8 Recognized Environmental Auditor (Schedule II)

BO 9001 2015 Certified Company SO 43001:2018 Certified Company

TEST REPORT (STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/04/AIL-2/S-006	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-006	/D/SRF/04/S-006			
Sample ID No.	UERL/AIR/D/ID/S-23/04/006	UERL/AIR/D/ID/S-23/04/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	Date of Testing	20/04/2023		
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)				
Air Pollution Control Devise	Alkali Scrubber				

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/04/2022	Next Calibration Due On	22/06/2023	

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	°C Name of the contract of the	48

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	5.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

IIIIIL.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 12

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

UERL/AIR/F-04/04





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BO 9001 2015 Certified Company SO 43001 : 2018 Certified Company

TEST REPORT (STACK MONITORING)

(STACK MONTOKING)				
Test Report No.	UERL/23/04/AIL-2/S-007	Report Issue Date	05/05/2023	
Service Request form No.	UERL/AIR/D/SRF/04/S-007	Service Request Date	19/04/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/04/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/007	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	19/04/2023	Date of Testing	20/04/2023	
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)			
Air Pollution Control Devise	Venturi Water Scrubber			

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	mion mes °C mi Hesse	nch Labs Pyr Lid 45

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	15.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	0.5	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





Email: response@uert.in: Website: www.uert.in

MoEF&CC (GOI) Recognized Environmental Laboratory under the EPA-1986 (31 03 2023 to 22:07:2024)

GC:NAEET Accredited BA & GW Consultant Organization

GFC8 Recognized Environmental Auditor (Schedule II)

BO 9001 2015 Certified Company

50 4500112018 Certified Company

TEST REPORT (STACK MONITORING)

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Test Report No.	UERL/23/05/AIL-2/S-006	Report Issue Date 07/06/2023			
Service Request form No.	UERL/AIR/D/SRF/05/S-006	L/AIR/D/SRF/05/S-006 Service Request Date 31/05/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/05/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05				
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	Date of Testing	01/06/2023		
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/05/2022	Next Calibration Due On	22/06/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°С	35
3.	Flue Gas Temperature	°C	Take Dividing 42

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.1	25	IS: 11255 (Part 7): 2005 RA.2017

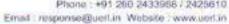
Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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GC:NAEET Accredited BA & GW Consultant Organization GFC8 Recognized Environmental Auditor (Schedule II)

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TEST REPORT (STACK MONITORING)

	•		
Test Report No.	UERL/23/05/AIL-2/S-007	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-007	/05/S-007 Service Request Date 31/05/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/05/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/007
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Devise	Venturi Water Scrubber		

> Details of Instrument Used for Monitoring

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

➤ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	men me l°C m l l este	arch Labs Pv. Ltd 50

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	12.1	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist) **Authorized By:**

MOEFRCC (GOI)

White House Near G.I.D.C. Office, Char Rasta, Vapi - 396 195, Gujarat, India. Phone: +91 260 2433966 / 2425610

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

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QCHMABEL Accredited BA & GW Consultant Organization

GPCS Recognized Environmental Auditor (Siche dule-II)

BO 9001:2015 Certified Company 150 45001:2016 Centiled Company

TEST REPORT

(STACK MONITORING)

(STACK MONITORING)				
UERL/23/06/AIL-2/S-006	Report Issue Date	07/07/2023		
UERL/AIR/D/SRF/06/S-006	Service Request Date	22/06/2023		
UERL/AIR/D/ID/S-23/06/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/006		
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
22/06/2023	Date of Testing	23/06/2023		
Scrubber Connected to DCP. (S-3)				
Alkali Scrubber				
	UERL/23/06/AIL-2/S-006 UERL/AIR/D/SRF/06/S-006 UERL/AIR/D/ID/S-23/06/006 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Scrubber Connected to DCP. (S	UERL/23/06/AIL-2/S-006 Report Issue Date UERL/AIR/D/SRF/06/S-006 Service Request Date UERL/AIR/D/ID/S-23/06/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Date of Testing Scrubber Connected to DCP. (S-3)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	1 A 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

White House Near G.I.D.C. Office, Char Resta, Vapi - 396 195, Gujarat, India. Phone: +91 260 2433966 / 2425610

Email: response@uert.in Website: www.uert.in

MoEF&CC (GOI) Recognized Environmental QCI+ Laboratory under the EPA-1966 (3): 03:2023 to 22:09:2024 Co

Consultant Organization Avida

GPCS Recognized Environmental Auditor (5 chedule-II) 50 9001:2015 Certified Company ISO 45001:2018 Centiled Company

TEST REPORT

(STACK MONITORING)

	·	•	
Test Report No.	UERL/23/06/AIL-2/S-007	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-007	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/007
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Devise	Venturi Water Scrubber		

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy SamplerSerial Number91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	oc	arch Labs Pv. Ltd 345

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	8.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.5	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC. (GOI) Recognized Environmental Laboratory under the EPA-1986 (3): 03:2023 to 22:09:2024

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)				
Test Report No.	UERL/23/07/AIL-2/S-006	Report Issue Date	05/08/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-006	Service Request Date	24/07/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/07/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/006	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	24/07/2023	Date of Testing	25/07/2023	
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)			
Air Pollution Control Devise	Alkali Scrubber			

Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	°C	46

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	3.2	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

MoEFECC (GOI) Recognized Environmental

Loboratory under the EPA-1986 (3):03:2023 to 22:09:2024]

White House Near G.I.D.C. Office, Char Resta, Vapi - 396 195, Gujarat, India. Phone: +91 260 2433966 / 2425610

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

Consultant Organization Auditor (5 che dute-11)

EO 9001:2015 Certified Company ISO 45001:2016 Centiled Company

TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
UERL/23/07/AIL-2/S-007	Report Issue Date	05/08/2023		
UERL/AIR/D/SRF/07/S-007	JERL/AIR/D/SRF/07/S-007 Service Request Date 24/07/2023			
UERL/AIR/D/ID/S-23/07/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/007		
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
24/07/2023	24/07/2023 Date of Testing 25/07/2023			
DCP Plant: DCA Sulphate Vent. (S-11)				
Venturi Water Scrubber				
	UERL/AIR/D/SRF/07/S-007 UERL/AIR/D/ID/S-23/07/007 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 DCP Plant: DCA Sulphate Vent	UERL/AIR/D/SRF/07/S-007 Service Request Date UERL/AIR/D/ID/S-23/07/007 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Date of Testing DCP Plant: DCA Sulphate Vent. (S-11)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	oc	arch Labs Pv. Ltd 345

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	5.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.6	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist) **Authorized By:**

White House Near G.I.D.C. Office, Char Resta, Vapi - 396 195, Gujarat, India. Phone: +91 260 2433966 / 2425610

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

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TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/23/08/AIL-2/S-006	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-006	Service Request Date	22/08/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/08/006	UERL/AIR/D/ID/S-23/08/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/08/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	22/08/2023 Date of Testing 23/08/2023			
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)				
Air Pollution Control Devise	Alkali Scrubber				

> Details of Instrument Used for Monitoring

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

> General Stack Monitoring Observation

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

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.1	25	IS: 11255 (Part 7): 2005 RA.2017

 $\textbf{Note: 1)} \ \mathsf{BDL:} \ \mathsf{Below} \ \mathsf{Detection} \ \mathsf{Limit}.$

2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

White House Near G.I.D.C. Office, Char Resta, Vapi - 396 195, Gujarat, India. Phone: +91 260 2433966 / 2425610

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

MoEF&CC (GOI) Recognized Environmental Quality under the EPA-1966 (3): 03:2023 to 22:09:2024

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)			
Test Report No.	UERL/23/08/AIL-2/S-007	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-007	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/08/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/007
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Devise	Venturi Water Scrubber		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy SamplerSerial Number91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	oc	arch Labs Pv. Ltd 346

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	4.3	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.8	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Vapi - 396 195, Gujarat, India. Phone: +91 260 2433966 / 2425610

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



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TEST REPORT

(STACK MONITORING)

V					
Test Report No.	UERL/23/09/AIL-2/S-006	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-006	JERL/AIR/D/SRF/09/S-006 Service Request Date 21/09/202			
Sample ID No.	UERL/AIR/D/ID/S-23/09/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09				
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	21/09/2023	21/09/2023 Date of Testing 22/09/2023			
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)				
Air Pollution Control Devise	Alkali Scrubber				

> Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	°C Name of the contract of the	Take Dia Lind 50

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

White House Near G.I.D.C. Office, Char Resta, Vapi - 396 195, Gujarat, India. Phone: +91 260 2433966 / 2425610

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

MOEF&CC (GOI) Recognized Environmental QCHABELAccredited EA & CW Laboratory under the EPA-1966 (31.03.2023 to 22.09.2024) Consultant Organization

GPC3 Recognized Environmental Auditor (Schedule-II) 50 9001:2015 Certified Company ISO 45001:2018 Centiled Company

TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
UERL/23/09/AIL-2/S-007	Report Issue Date	05/10/2023		
UERL/AIR/D/SRF/09/S-007	AIR/D/SRF/09/S-007 Service Request Date 21/09/2023			
UERL/AIR/D/ID/S-23/09/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/007		
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
21/09/2023	21/09/2023 Date of Testing 22/09/2023			
DCP Plant: DCA Sulphate Vent. (S-11)				
Venturi Water Scrubber				
	UERL/23/09/AIL-2/S-007 UERL/AIR/D/SRF/09/S-007 UERL/AIR/D/ID/S-23/09/007 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 DCP Plant: DCA Sulphate Vent	UERL/23/09/AIL-2/S-007 Report Issue Date UERL/AIR/D/SRF/09/S-007 Service Request Date UERL/AIR/D/ID/S-23/09/007 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Date of Testing DCP Plant: DCA Sulphate Vent. (S-11)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	monmes och Hesse	rch Labs Pyl Lid 46

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	5.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

(Prescribed under Rule 12-B)

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

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

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 19/04/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.15	0.15	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J.J. Lad	JITEN LAD

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 19/04/2023

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

^{**} Limit has not been defined as per factory act

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 19/04/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	Process Activities are	J. J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	10 to	

^{**} Limit has not been defined as per factory act.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 20/04/2023

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

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 20/04/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used				(As Given in Schedule II as		Exposed at		Samples	Letters)
				Number of	Danga		Per Factory		the			
				Samples	Range		Act.)		Location Being			
									Monitored			
1		Phenol (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method		All		
2	DCP Plant (1 st Floor)	Sulphuric Acid (mg/m³)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method	04	Process Activities	J.J. Lad	JITEN LAD
3	(3P0117-A)	Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	IS-5182 (Part-2) (RA 2017)		are running.	2	

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 20/04/2023

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

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-001

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 31/05/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.18	0.18	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J.J. Lad	JITEN LAD

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 31/05/2023

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

^{**} Limit has not been defined as per factory act

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/05/WAM-AIL-U2-003

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 19/05/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	Process Activities are	J.J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	10 To	

^{**} Limit has not been defined as per factory act.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 31/05/2023

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

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 31/05/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1		Phenol (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method		All		
2	DCP Plant (1 st Floor)	Sulphuric Acid (mg/m³)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method	04	Process Activities	J.J. Lad	JITEN LAD
3	(3P0117-A)	Sulphur Dioxide (mg/m³)	3 3 [01	0.057	0.057	5 mg/m³	IS-5182 (Part-2) (RA 2017)		are running.	,	

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 31/05/2023

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

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/06/WAM-AIL-U2-001

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/06/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.15	0.15	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J.J. Lad	JITEN LAD

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/06/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		Airborne Contamination		TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCA Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	23	Process Activities are	J.J. Lad	JITEN LAD
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	≅0s	

^{**} Limit has not been defined as per factory act

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/06/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		Airborne Contamination		TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	Process Activities are	J.J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	1756 1	

^{**} Limit has not been defined as per factory act.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 24/06/2023

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

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/06/2023**

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used				(As Given in Schedule II as		Exposed at		Samples	Letters)
				Number of	Range		Per Factory		the			
				Samples	Nange		Act.)		Location Being			
				•					Monitored			
1		Phenol (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method		All		
2	DCP Plant (1 st Floor)	Sulphuric Acid (mg/m³)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method	04	Process Activities	J.J. Lad	JITEN LAD
3	(3P0117-A)	Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	IS-5182 (Part-2) (RA 2017)		are running.)	

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 24/06/2023

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

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-001

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/07/2023**

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

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 24/07/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		Airborne Contamination		TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCA Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	23	Process Activities are	J.J. Lad	JITEN LAD
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	≅0s	

^{**} Limit has not been defined as per factory act

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/07/WAM-AIL-U2-003

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/07/2023**

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

^{**} Limit has not been defined as per factory act.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

- 2. Name of the Department / Plant: DCA Plant
- 3. Raw materials, by-products and finished products involved in the process: 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst2) Product- 2,5 Di Chloro Aniline.
- 4. Particulars of sampling: Work Place Monitoring.
- 5. **Date of Monitoring: 24/07/2023**

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

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 24/07/2023

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

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 24/07/2023

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

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/08/WAM-AIL-U2-001

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/08/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)	
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.13	0.13	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J.J. Lad	JITEN LAD	

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 22/08/2023**

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

^{**} Limit has not been defined as per factory act

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/08/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	Process Activities are	J.J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	10 To	

^{**} Limit has not been defined as per factory act.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 23/08/2023

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

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 23/08/2023

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

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 23/08/2023

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

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

Test Report No. UERL/23/09/WAM-AIL-U2-001

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 21/09/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.15	0.15	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J.J. Lad	JITEN LAD

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 21/09/2023**

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

^{**} Limit has not been defined as per factory act

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 22/09/2023**

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

^{**} Limit has not been defined as per factory act.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 23/09/2023

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

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 23/09/2023

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

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

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

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

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

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

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

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

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 23/09/2023**

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

Note: BDL – Below Detection Limit.

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

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: April - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-001 Report Issue Date: 05/05/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

			Parameter v	with Results					
Sr. No.	Date of Monitoring	PM ₁₀ μg/m³	PM_{2.5} μg/m ³	SOx μg/m³	NO x μg/m ³				
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)				
1	04/04/2023	83	33	22.5	28.2				
2	05/04/2023	86	34	19.2	24.7				
3	12/04/2023	80	29	21.2	27.1				
4	13/04/2023	84	30	24.5	26.1				
5	17/04/2023	83	31	21.0	24.5				
6	19/04/2023	81	29	25.2	27.6				
7	24/04/2023	84	32	23.7	28.1				
8	25/04/2023	78	26	22.5	26.4				
	Max.	86	34	25.2	28.2				
Min.		78	26	19.2	24.5				
	98 th Percentile	85.7	33.9	25.1	28.2				
Per	missible Limit (As Per NAAQMS)	100	60	80	80				

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: April - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-002 Report Issue Date: 05/05/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter v	with Results			
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	04/04/2023	75	28	20.8	24.2		
2	05/04/2023	78	25	23.7	26.2		
3	12/04/2023	82	31	22.1	27.5		
4	13/04/2023	80	29	22.6	27.7		
5	17/04/2023	76	26	24.0	27.4		
6	19/04/2023	70	24	19.9	25.8		
7	24/04/2023	76	25	19.0	25.0		
8	25/04/2023	72	26	22.5	26.8		
	Max.	82	31	24.0	27.7		
Min.		70	24	19.0	24.2		
98 th Percentile		81.7	30.7	24.0	27.7		
Per	missible Limit (As Per NAAQMS)	100	60	80	80		

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: April - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-003 Report Issue Date: 05/05/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

			Parameter v	with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³			
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)			
1	04/04/2023	72	29	22.2	27.8			
2	05/04/2023	76	26	25.6	29.6			
3	12/04/2023	67	24	19.3	25.4			
4	13/04/2023	77	32	22.5	26.7			
5	17/04/2023	82	28	22.6	25.4			
6	19/04/2023	76	26	19.8	22.9			
7	24/04/2023	72	23	21.2	23.5			
8	25/04/2023	80	30	23.7	27.6			
	Max.	82	32	25.6	29.6			
Min.		67	23	19.3	22.9			
98 th Percentile		81.7	31.7	25.3	29.3			
Per	missible Limit (As Per NAAQMS)	100	60	80	80			

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tande

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: May - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-001 Report Issue Date: 05/05/2023

Location : AAQM-1 : Near Main Gate Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

			Parameter v	vith Results			
Sr. No.	Date of Monitoring	PM₁₀ μg/m ³	PM_{2.5} µg/m ³	SOx μg/m³	NO x μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	02/05/2023	78	28	18.2	23.3		
2	03/05/2023	85	30	19.5	22.8		
3	08/05/2023	82	27	17.2	23.3		
4	09/05/2023	88	32	20.8	25.1		
5	15/05/2023	75	26	16.7	20.3		
6	16/05/2023	77	27	22.5	26.5		
7	22/05/2023	79	29	19.1	23.4		
8	23/05/2023	82	26	18.8	22.3		
9	29/05/2023	84	30	20.3	25.3		
10	30/05/2023	76	25	19.8	24.5		
	Max.	88	32	22.5	26.5		
	Min.	75	25	16.7	20.3		
	98 th Percentile	87.5	31.6	22.2	26.3		
Per	missible Limit (As Per NAAQMS)	100	60	80	80		

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

Checked By:

Nikunj D. Patel

(Chemist)

Jaivik S. Tandel

Authorized By:

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: May - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-002 Report Issue Date: 05/05/2023

Location : AAQM-2 : Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter v	vith Results			
Sr. No.	Date of Monitoring	PM₁₀ μg/m³	PM _{2.5} μg/m ³	SOx μg/m³	NOx μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	02/05/2023	82	30	19.9	25.2		
2	03/05/2023	80	27	21.2	25.8		
3	08/05/2023	86	31	18.5	23.6		
4	09/05/2023	76	27	17.3	24.1		
5	15/05/2023	78	29	19.1	23.2		
6	16/05/2023	80	30	20.5	26.3		
7	22/05/2023	75	22	21.3	24.8		
8	23/05/2023	74	23	20.4	25.6		
9	29/05/2023	78	26	22.5	27.3		
10	30/05/2023	72	24	23.4	26.8		
	Max.	86	31	23.4	27.3		
	Min.	72	22	17.3	23.2		
	98 th Percentile	85.3	30.8	23.2	27.2		
Per	missible Limit (As Per NAAQMS)	100	60	80	80		

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

Checked By:

Nikunj D. Patel

(Chemist)

uthorized By:

Jaivik S. Tand

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: May - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-003 Report Issue Date: 05/05/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

			Parameter v	vith Results			
Sr. No.	Date of Monitoring	PM₁₀ μg/m³	PM_{2.5} µg/m ³	SOx μg/m³	NOx μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	02/05/2023	75	24	16.8	20.5		
2	03/05/2023	78	28	21.8	26.2		
3	08/05/2023	72	23	18.9	23.1		
4	09/05/2023	80	29	18.2	22.3		
5	15/05/2023	76	25	20.2	24.1		
6	16/05/2023	78	28	18.3	23.8		
7	22/05/2023	82	23	22.5	27.1		
8	23/05/2023	72	24	21.2	26.3		
9	29/05/2023	80	32	19.2	24.1		
10	30/05/2023	78	27	20.5	25.5		
	Max.	82	32	22.5	27.1		
Min.		72	23	16.8	20.5		
	98 th Percentile	81.6	31.5	22.4	27.0		
Per	missible Limit (As Per NAAQMS)	100	60	80	80		

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

Checked By:

Nikunj D. Patel

(Chemist)

SATE OF SECTION

Jaivik S. Tande

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: June - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/06/AIL-2/A-001 Report Issue Date: 05/07/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

			Parameter v	vith Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg /m ³	SOx μg/m³	NOx μg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	72	23	17.2	20.6
2	06/06/2023	74	23	20.3	21.6
3	12/06/2023	80	28	17.6	22.5
4	13/06/2023	76	25	16.5	20.8
5	19/06/2023	84	30	18.4	23.3
6	20/06/2023	75	23	19.2	24.8
7	26/06/2023	78	28	20.1	21.4
8	27/06/2023	80	26	16.8	22.7
	Max.	84	30	20.3	24.8
	Min.	72	23	16.5	20.6
	98 th Percentile	83.4	29.7	20.3	24.6
Perr	missible Limit (As Per NAAQMS)	100	60	80	80

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: June - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/06/AIL-2/A-002 Report Issue Date: 05/07/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter v	vith Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	76	24	18.7	21.2
2	06/06/2023	68	25	16.3	19.4
3	12/06/2023	75	22	19.1	17.7
4	13/06/2023	69	27	18.4	21.5
5	19/06/2023	73	24	16.6	23.7
6	20/06/2023	77	23	17.2	19.4
7	26/06/2023	70	25	19.5	18.6
8	27/06/2023	72	27	16.4	22.5
	Max.	77	27	19.5	23.7
Min.		68	22	16.3	17.7
98 th Percentile		76.9	27.0	19.4	23.5
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80

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

Checked By:

Nikunj D. Patel

(Chemist)

(Manager - Operations)

Authorized By:

Jaivik S. Tandel

4

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: June - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/06/AIL-2/A-003 Report Issue Date: 05/07/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

			Parameter v	vith Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	83	30	18.3	24.4
2	06/06/2023	86	32	14.7	19.7
3	12/06/2023	78	29	16.3	21.4
4	13/06/2023	82	31	18.2	20.5
5	19/06/2023	74	33	15.8	18.6
6	20/06/2023	87	24	17.6	23.3
7	26/06/2023	84	28	16.1	22.8
8	27/06/2023	79	25	15.0	21.2
	Max.	87	33	18.3	24.4
Min. 98 th Percentile		74	24	14.7	18.6
		86.9	32.9	18.3	24.2
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80

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

Checked By:

Nikunj D. Patel

(Chemist)

(Manager - Operations)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: July-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-001 Report Issue Date: 05/08/2023

Location : AAQM-1 : Near Main Gate Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	04/07/2023	76	24	20.8	24.4	
2	05/07/2023	80	22	22.6	25.4	
3	02/07/2023	72	24	19.8	22.9	
4	13/07/2023	82	20	19.3	25.4	
5	17/07/2023	76	23	23.7	27,6	
6	18/07/2023	72	25	21.2	23.5	
7	27/07/2023	74	24	22.5	26.7	
8	28/07/2023	68	20	25.6	29.6	
Max.		82	25	25.6	29.6	
Min.		68	20	19.3	22.9	
	98 th Percentile	81.7	24.9	25.3	29.3	
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80	

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

Checked By:

Nikunj D. Patel (Chemist) Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: July-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-002 Report Issue Date: 05/08/2023

Location : AAQM-2 : Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} µg/m ³	SOx μg/m³	NO x μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	04/07/2023	75	28	22.2	26.4	
2	05/07/2023	78	26	21.0	23.9	
3	02/07/2023	72	33	25.2	27.6	
4	13/07/2023	74	31	21.2	27.1	
5	17/07/2023	81	29	22 <u>.</u> 9	26.4	
6	18/07/2023	84	33	23.7	27.6	
7	27/07/2023	80	34	24.5	26.1	
8	28/07/2023	78	29	19.2	24.7	
Max.		84	34	25.2	27.6	
Min.		72	26	19.2	23.9	
	98 th Percentile	83.6	33.9	25.1	27.6	
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80	

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

Checked By: Nikunj D. Patel

(Chemist)

Jaivik S. Tande

Authorized By:

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: July-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-003 Report Issue Date: 05/08/2023

Location : AAQM-3 : Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

			Parameter v	with Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NO x μg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/07/2023	74	26	19.5	23.3
2	05/07/2023	72	26	24.0	27.4
3	02/07/2023	75	28	19.9	25.8
4	13/07/2023	76	26	22.1	27.5
5	17/07/2023	70	24	22.5	26.8
6	18/07/2023	76	27	19.0	25.0
7	27/07/2023	78	26	22.6	27.7
8	28/07/2023	75	24	23.7	26.2
Max.		78	28	24.0	27.7
Min.		70	24	19.0	23.3
98 th Percentile		77.7	27.9	24.0	27.7
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tande

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: August- 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-001 Report Issue Date: 05/09/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NOx μg/m ³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/08/2023	68	24	11.7	20.6	
2	03/08/2023	59	20	15.8	22.7	
3	07/08/2023	62	22	16.9	20.8	
4	08/08/2023	69	21	15.4	21.2	
5	17/08/2023	63	18	18.2	23.4	
6	18/08/2023	71	24	16.9	20.2	
7	23/08/2023	72	20	15.4	19.1	
8	24/08/2023	74	23	14.3	18.4	
9	28/08/2023	59	18	16.2	22.3	
10	29/08/2023	62	22	18.1	24.5	
	Max.	74	24	18.2	24.5	
	Min.	59	18	11.7	18.4	
	98 th Percentile	73.6	24.0	18.2	24.3	
Pern	missible Limit (As Per NAAQMS)	100	60	80	80	

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

Checked By:

Nikunj D. Patel

(Chemist)

uthorized By

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: August- 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-002 Report Issue Date: 05/09/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	02/08/2023	70	25	13.2	18.1		
2	03/08/2023	61	22	18.6	23.4		
3	07/08/2023	60	20	15.7	21.2		
4	08/08/2023	65	18	16.3	20.5		
5	17/08/2023	69	20	17.8	21.3		
6	18/08/2023	67	22	14.3	19.7		
7	23/08/2023	70	18	16.1	21.3		
8	24/08/2023	68	20	17.5	20.2		
9	28/08/2023	61	19	15.8	19.5		
10	29/08/2023	60	20	16.4	22.6		
Max.		70	25	18.6	23.4		
Min.		60	18	13.2	18.1		
	98 th Percentile	70.0	24.5	18.5	23.3		
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80		

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

Checked By:

Nikunj D. Patel

(Chemist)

uthorized By

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: August- 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-003 Report Issue Date: 05/09/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NOx μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/08/2023	66	22	15.1	21.3	
2	03/08/2023	57	17	16.4	20.2	
3	07/08/2023	63	25	13.5	19.7	
4	08/08/2023	58	16	15.9	22.4	
5	17/08/2023	61	21	16.5	17.3	
6	18/08/2023	63	18	13.6	17.1	
7	23/08/2023	66	22	14.8	19.4	
8	24/08/2023	70	21	15.2	21.5	
9	28/08/2023	59	17	18.3	22.8	
10	29/08/2023	63	25	14.7	18.0	
Max.		70	25	18.3	22.8	
Min.		57	16	13.5	17.1	
	98 th Percentile	69.3	25.0	18.0	22.7	
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80	

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

Checked By:

Nikunj D. Patel (Chemist) uthorized By

Jaivik S. Tande

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-001 Report Issue Date: 05/10/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

			Parameter v	with Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m³	PM_{2.5} μg/m ³	SOx μg/m³	NO x μg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/09/2023	78	25	14.5	18.2
2	07/09/2023	66	21	13.5	21.2
3	14/09/2023	60	20	14.8	21.3
4	15/09/2023	70	25	18.3	19.5
5	19/09/2023	69	20	15.1	18.1
6	20/09/2023	61	19	16.4	23.4
7	25/09/2023	65	18	15.2	20.2
8	26/09/2023	70	25	16.2	20.1
Max.		78	25	18.3	23.4
Min.		60	18	13.5	18.1
	98 th Percentile	76.9	25.0	18.0	23.1
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-002 Report Issue Date: 05/10/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter with Results		
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/09/2023	67	24	17.2	21.5
2	07/09/2023	59	23	16.9	20.8
3	14/09/2023	63	25	15.4	19.1
4	15/09/2023	66	22	16.2	22.3
5	19/09/2023	61	21	11.7	20.6
6	20/09/2023	57	17	15.8	22.7
7	25/09/2023	58	16	14.3	18.4
8	26/09/2023	66	20	18.8	23.2
Max.		67	25	18.8	23.2
Min.		57	16	11.7	18.4
	98 th Percentile	66.9	24.9	18.6	23.1
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

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

By - UniStar Environment and Research Labs Pvt. Ltd.

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-003 Report Issue Date: 05/10/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	05/09/2023	74	23	15.1	20.2	
2	07/09/2023	65	19	15.7	19.7	
3	14/09/2023	62	22	16.1	19.4	
4	15/09/2023	68	24	15.8	22.8	
5	19/09/2023	63	18	13.2	21.3	
6	20/09/2023	59	18	18.6	20.2	
7	25/09/2023	69	21	17.5	21.5	
8	26/09/2023	72	23	15.5	21.6	
Max.		74	24	18.6	22.8	
Min.		59	18	13.2	19.4	
	98 th Percentile	73.7	23.9	18.4	22.6	
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80	

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tande

ANNEXURE-8 Compliance of EMP Conditions Sr. No. | Conditions Construction Phase Site Preparation Uplift of dust during the excavation, leveling operations etc. Complied 1 Regular sprinkling of water over land, and provision of Control Measure: Sprinkling of water over land, and provision of enclosure done for dust reduction in workplace enclosure. ii Sanitization Sanitization facilities. Complied 1 Sewage water is now treated in the STP plant. Control Measure: Sewage will be sent to soak pit. iii Noise Movement of vehicles like truck, Dozer, Cranes. 1 Control Measure: Complied Restrict movement of vehicle between 10 p.m. to 6 a.m. Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles will be maintained in well condition All vehicles are maintained in well condition Construction activity. Complied 2 Control Measure: Engineering control, noise protection devices like earmuffs, ear Engineering control, Provide noise protection devices like earmuffs, ear plug to worker, Rotation of work are provided to minimize plug to worker, Rotation of work to minimize exposure. exposure. Wastes from construction equipment iv Dozer, Cranes Complied 1 Unit has avoided spillage, proper storage, disposal by selling to Control Measures: Avoid spillage, proper storage, disposal by selling to reprocessor reprocesso Painting Complied 2 Control Measures: Unit has properly stored and disposed to authorized buyers/incineration Proper storage, disposal by selling to authorized buyers/incineration Construction. 3 Control Measures: Use for leveling purpose within premises Use has used leveling purpose for filling of low lying area. Operation Phase Air Environment Α. Flue Gas Emissions: Complied Unit shall provide acoustic enclosure and adequate stack height for D.G Unit has provided acoustic enclosure and adequate stack 1 height for D.G Set Set Process Gas Emissions: Complied 2 Unit shall provide APCM and adequate stack height for control of Unit has provided a scrubber system and adequate stack process gaseous emissions height to all process gas emissions Fugitive Emissions: Complied 3 В. Water Environment Water Consumption The total water consumption of the proposed new unit will be 1429 1 KL/day. Out of the total water of 1429 KLD, fresh water will be 1253 Agreed KLD (Domestic requirement will be 47 KLD and industrial requirement Unit will ensure, the permitted water consumption value will not will be 1262 KLD). be exeeded. Agreed Wastewater Generation: 2 Unit will ensure, the permitted wastewater generation value will Total waste water generation shall not exceed permissible limit not be exeeded. C. Noise Environment Transportation activities 1 Control Measures: Unit had initiate the development of the green belt area. a. Green belt, Restriction on transportation between 08 p.m. to 9 a.m., already unit is restricting on transportation between 08 p.m. to 9 Maintain vehicle in good condition. a.m.,and maintaining vehicle in good condition. D.G. Set Complied Provided acoustic enclose, Engineering control in D. G. Set for 2 Control Measures: a. Acoustic enclose, Engineering control, preventing noise pollution b. Provision of PPE, Green belt,

Complied

3

D.

Plant/Process area

Land Environment

	T.	I
1	Development of greenbelt comprising of appropriately selected species of shrubs and trees. It is recommended that plantation be made on sites, road sides, around waste treatment units.	Complied Green belt developed with appropriate species of shrubs and trees like Gulmohar, Neem and Pelta Farm. Plantation is done on site, road sides, around waste treatment units.
E.	Raw Material and Product Storage Area	
-	Raw Material and Froduct Storage Area	Complied
1	Raw materials will be stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags,etc in sepereate storage room	Raw materials are stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags,etc in sepereate storage room for first phase production will do the same in next phases
2	Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved	Complied Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved for first phase production will do the same in next phases
3	Hazardous flammable substances are separately stored within premises. Solvent transfer will be done by pumps. Reactor & solvent handling pump have mechanical seal	Complied Hazardous flammable substances are separately stored within premises. Solvent transfer is done by pumps. Reactor & solvent handling pump which have mechanical seal for first phase production will do the same in next phases
4	The acid tanks will be provided with dyke wall to control spread of leakages.	Complied The acid tanks are provided with dyke wall to control spread of leakages for first phase production will do the same in next phases
F.	Vehicular Pollution Control	
1	All vehicles will be maintained in well condition by regular preventive maintenance to reduce the exhaust level.	Complied All vehicles are maintained in well condition by regular preventive maintenance to reduce the exhaust level. Spark arrestor is used for all vehicles entering the site.
2	Drivers of all vehicles used in the transportation will be trained in transportation of Hazardous chemicals to prevent any accident. Fitness and training test certificate approved by R.T.O to be maintained on the vehicle at all times to ensure transport worthiness.	Complied Unit has developed a checklist which is checked by the security personnel at the entry of material gate. The checklist consists of all the mentioned points which is attached as
G.	Safety Measures to Prevent the Occupational Health Hazards	
1	All reasonably practical measures will be adopted by the unit to minimize the risk of accidents within a chemical manufacturing unit	Complied All reasonable practical measures like: a. Work specified PPEs b. Safety Showers c. Fire extinguishers d. Hydrant tank with circulated networks e. DG Sets etc. are provided to minimize the risk of accidents.
2	All building plans and installations will be as per relevant laws and will be approved by competent authority	Agreed & Complied Unit has considered to construct Green Buildings which will be approved by the competent authority
3	0.:4-11	Complied
	Suitable personnel protective equipments and fire extinguishers at strategic locations and suitable personal protective equipments will be provided	Unit has provided PPEs and Fire Extinguishers at Strategic Locations.
4	strategic locations and suitable personal protective equipments will be	Locations. Complied Trainings have been for all workers who deal with hazardous process operations within the plant
	strategic locations and suitable personal protective equipments will be provided Training will be imparted to all workers for all the hazardous process operations within the plant and will be supervised by experienced	Locations. Complied Trainings have been for all workers who deal with hazardous process operations within the plant Complied Unit has provided Flame proof electric fittings, flame arrestors etc.
4	strategic locations and suitable personal protective equipments will be provided Training will be imparted to all workers for all the hazardous process operations within the plant and will be supervised by experienced supervisors	Locations. Complied Trainings have been for all workers who deal with hazardous process operations within the plant Complied Unit has provided Flame proof electric fittings, flame arrestors etc. Complied All the raw materials have been stored in the RM Warehouse and which is equipped with specific safety features.
5	strategic locations and suitable personal protective equipments will be provided Training will be imparted to all workers for all the hazardous process operations within the plant and will be supervised by experienced supervisors Flame proof electrical fittings, flame arrestors etc will be installed All the raw materials will be stored in designated storage area equipped	Locations. Complied Trainings have been for all workers who deal with hazardous process operations within the plant Complied Unit has provided Flame proof electric fittings, flame arrestors etc. Complied All the raw materials have been stored in the RM Warehouse

		Complied	
8		Compiled	
	Good housekeeping will be ensured within the factory premises	Good house keeping is ensured within the factory.	
		Complied	
9		All designated staff & workers are properly trained and regular	
	All designated staff & workers will be trained for the fire-fighting, work	trainings are provided for fire-fighting, work permit system, first	
	permit system, first aid and safe handballing of hazardous chemicals.	aid and safe handballing of hazardous chemicals.	
		Agreed & Comply	
10	Incident/accident reporting system will be developed and all the	Unit will report incident or accident to all the employees for their	
	employees will be made aware for the same.	awareness.	
		Agreed and will Comply	
11	Suitable notices/boards will be displayed at designated locations	Proper boards/notices will be displayed at designated locations	
	indicating appropriate hazard warnings.	indicating hazard warnings.	
		Complied	
12	Antidotes as well as MSDS for all the chemicals will be made available	Antidotes are MSDS are available for all chemicals within	
	within the factory premises.	company premises.	
		Complied	
13	Pre-employment medical checkup at the time of employment will be	Pre-employment medical checkup at the time of employment is	
	carried out. In order to safe guard the health of the employees, all the	carried out. All the employees undergo periodic health checkup	
Н.	employees undergo periodic health checkup at every six month. Storm Water Management	at every six month.	
	The drains for storm water will be kept clean and dry in summer and		
	winter. The storm water drains will be connected to holding tank. The		
	rain water of the premises will be collected in this holding tank through storm water drains. The collected water will be analyzed for any	Agreed and will comply.	
1	contamination of pollutants for 1st and 2nd rain during monsoon. If		
	analysis indicates any contamination, the collected water will be		
	diverted to ETP plant. In case of no contamination, the collected water will be used in cooling tower and other applications.		
	This 20 about it occoming to the anial approximation.	Agreed and will comply.	
		1. Unit has planned to consider the color penals on the roofs of	
I.	Energy Conservation Programme	1. Unit has planned to consider the solar panels on the roofs of admin and security buildings.	
		2. Unit will ensure the Preventive Maintenance of equipments	
		which may cause excess energy expenditure.	
		Agreed and will comply	
		Unit has provided ETP and will provide RO & MEE to recycle	
		water which will result in reduction of freshwater consumption.	
	Water Conservation Programme	Unit has started the STP operation and sweage water are	
j.		treated in STP Plant we will reuse the treated water from STP	
		to the gardening purpose.	
		Unit will ensure to provide Stormwater reservior to reuse water	
		for various industrial purposes.	
K.	Management of Traffic		
		Complied	
	Parking space for vehicles will be provided for loading and unloading	Unit has provided wide two-way RCC roads for managment of	
	products. Adequate roads to cater to two way traffic and to meet the fire	traffic. Proper parking space will be provided for loading and	
	regulations are planned in the complex.	unloading products.	
L.	Social Welfare measures for Future Planning	Complied	
1	Providing materials and monetary aid to schools, primary health	Compiled	
	centers, hospitals, sports, clubs and places of worship.	CER & CSR activity has been done by the unit.	

Directorate Indastrial Safety & Health

Directorate Industrial Antety & Health

Licehor Work a factory

Registration No 1540/2412726hse to work a factory License No. 41555 FIN. S06041555A

D.A. 01-Feb-2020

License is hereby granted to

Mr. Ajay Kumar Gupta

For the premises known as

Aarti Industries Ltd.

situated at

Plot No- Z/103/C SEZ Part-II Dahoj

Ta: Vagra Dist Bharuch

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

Director Industrial Safety & Health, Gujarat State

vide No. 227 Date 31-Jan-2020 subject to provisions of the

Factories Act, 1948 and the Rules made thereunder

The license is issued for

Maximum Number of workers to be employed on any day during the Year :"1,000" Maximum installed power in B H P on any day during the year **5,000**

The license is valid up to 31st December 2024.

Fees paid Rs. 63,000.00

Fees due Rs. 63,000.00 Excess Rs. 0.00

Bharuch

06-Nov-2023

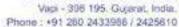


Signature valid

SERVICE THE PARTY OF THE PARTY

Deputy Director Industrial Safety and Health

Bharuch





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

MoEF&CC (GCI) Recognized Environmental (GC) NABET Accorded BA & GW Lobaratory under the SPA 1985 (3) 00:0023 to 22:09:2024) Consultant Organization Laboratory under the SPA (985 j3) 00:2023 to 22:09:2024)

GPCB Recognized Environmental Auditor (Schedule-II)

150 9001:2015 Corlided Company (\$0 .40001 | 2018 Certified Company

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

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

Details of Instrument Used for Monitoring.

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

Date of Monitoring: 20/04/2023

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

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21

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





Phone: +91 280 2433988 / 2425610

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

MoEF&CC (GCI) Recognized Environmental (GC) NABET Accorded BA & GW Lobaratory under the SPA 1985 (3) 00:0023 to 22:09:2024) Consultant Organization Laboratory under the SPA (985 j3) 00:2023 to 22:09:2024)

GPCB Recognized Environmental Auditor (Schedule-II)

150 9001:2015 Corlded Company (\$0 .40001 | 2018 Certified Company

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

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

Details of Instrument Used for Monitoring.

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

Date of Monitoring: 31/05/2023

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

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

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

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

Checked By:

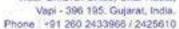
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21

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



Email: response@uert.in Website: www.uert.in



MoEF&CC (GOI) Recognized Environmental GC-NASET Accredited EA & GW Laboratory under the EPA-1988 (31.03.2023 to 22.09.2024) Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

SCI 9001: 2015 Certified Company ISO: 4500):2018 **Certified Company**

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

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

Details of Instrument Used for Monitoring.

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

Date of Monitoring: 20/06/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION				
			Noise Level dB(A)			
Sr. No.	Location	Day Time	Night Time	Permissible Limit CPCB		
			Night Time	Day Time	Night Time	
1.	Near ETP Area	67.8	52.5	75 dB (A)	70 dB (A)	
2.	New D.G. Set	72.5	54.5	75 dB (A)	70 dB (A)	
3.	Near Main Gate	73.4	54.2	75 dB (A)	70 dB (A)	
4.	Near DCA Plant	67.3	Laus 1 _{55.6} L.U.	75 dB (A)	70 dB (A)	
5.	Near Material Gate	66.2	53.8	75 dB (A)	70 dB (A)	

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21

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



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GPCS Recognized (invitormental Auditor (SchedulerII)

ISO 9001:2015 Certiled Company

(UD ... 4500) ... 2918 Carified Company

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

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

Details of Instrument Used for Monitoring.

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

Date of Monitoring: 24/07/2023

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

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

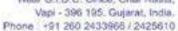
Auga Cada	Category of Area/Zone	Limit in dB (A) Leq			
Area Code		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)		
(A)	Industrial area	75	70		
(B)	Commercial area	65	55		
(C)	Residential area	55	45		
(D)	Silence Zone	50	40		

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Email: response@uert.in Website: www.uert.in



MoEF&CC (GOI) Recognized Environmental GC-NASET Accredited EA & GW Laboratory under the EPA-1988 (31.03.2023 to 22.09.2024) Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

SCI 9001: 2015 Certified Company NO: 45001:2018 **Certified Company**

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

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

Details of Instrument Used for Monitoring.

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

Date of Monitoring: 22/08/2023

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

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

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

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

Checked By:

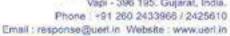
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21

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MoEF&CC (GOI) Recognized Environmental GC-NASET Accredited EA & GW Laboratory under the EPA-1988 (31.03.2023 to 22.09.2024) Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

SCI 9001: 2015 Certified Company NO: 45001:2018 **Certified Company**

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

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

Details of Instrument Used for Monitoring.

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

Date of Monitoring: 21/09/2023

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

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21

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





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

SO 9001 2015 Certified Company GO 40001 2018 Corilled Company

TEST REPORT (STACK MONITORING)

(STACK MONTOKING)				
UERL/23/04/AIL-2/S-001	Report Issue Date	05/05/2023		
UERL/AIR/D/SRF/04/S-001	Service Request Date	20/04/2023		
UERL/AIR/D/ID/S-23/04/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/001		
M/s. AARTI INDUSRIES LTD. (Unit-2)				
Plot No. Z/103/C, Dahej SEZ Pa	rt-II,			
Tal. Vagra, Dist. Bharuch, Dahe	j-392130, Gujarat.			
20/04/2023	Date of Testing	21/04/2023		
D.G. Set - 1 (2000 KVA)				
Diesel				
	UERL/AIR/D/SRF/04/S-001 UERL/AIR/D/ID/S-23/04/001 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahe 20/04/2023 D.G. Set - 1 (2000 KVA) Diesel	UERL/AIR/D/SRF/04/S-001 Service Request Date UERL/AIR/D/ID/S-23/04/001 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 20/04/2023 Date of Testing D.G. Set - 1 (2000 KVA) Diesel		

Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 125
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm³/h	230.0

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	25	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.5	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7

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





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MONITORING)				
Test Report No.	UERL/23/04/AIL-2/S-002	Report Issue Date	05/05/2023	
Service Request form No.	UERL/AIR/D/SRF/04/S-002	Service Request Date	20/04/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/04/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/002	
	M/s. AARTI INDUSRIES LTD. (Unit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	20/04/2023	Date of Testing	21/04/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL® U KESEAL	II Lads PVI. LIU. 33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	229.6

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.9	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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





QCINASET Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

50 9001 2015 Cerified Company SO 40001 2018 Corfiled Company

TEST REPORT (STACK MONITORING)

(STACK MOTHER)					
Test Report No.	UERL/23/04/AIL-2/S-003	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-003 Service Request Date 20/04/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/04/003	UERL/AIR/D/ID/S-23/04/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
	M/s. AARTI INDUSRIES LTD. (I	Unit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	20/04/2023	Date of Testing	21/04/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I th
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	236.3

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP	– ATMOSPHERIC	POLLUTION
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.





QCI-NASET Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

SO 9001 2015 Certified Company GO 40001 2018 Corilled Company

TEST REPORT (STACK MONITORING)

(STACK MONITORING)				
UERL/23/05/AIL-2/S-001	Report Issue Date	07/06/2023		
UERL/AIR/D/SRF/05/S-001	Service Request Date	31/05/2023		
UERL/AIR/D/ID/S-23/05/001	ERL/AIR/D/ID/S-23/05/001 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/			
M/s. AARTI INDUSRIES LTD. (Unit-2)				
Plot No. Z/103/C, Dahej SEZ Part-II,				
Tal. Vagra, Dist. Bharuch, Dahe	j-392130, Gujarat.			
31/05/2023	Date of Testing	01/06/2023		
ttached to D.G. Set - 1 (2000 KVA)				
Diesel				
	UERL/23/05/AIL-2/S-001 UERL/AIR/D/SRF/05/S-001 UERL/AIR/D/ID/S-23/05/001 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahe 31/05/2023 D.G. Set - 1 (2000 KVA) Diesel	UERL/23/05/AIL-2/S-001 Report Issue Date UERL/AIR/D/SRF/05/S-001 Service Request Date UERL/AIR/D/ID/S-23/05/001 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing D.G. Set - 1 (2000 KVA) Diesel		

Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 126
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	237.0

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7

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





QCI-NASET Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

50 9001 2015 Cerified Company SO 40001 2018 Corfiled Company

TEST REPORT (STACK MONITORING)

(STACK WORLD)				
Test Report No.	UERL/23/05/AIL-2/S-002	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/05/S-002	Service Request Date	31/05/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/05/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II,			
	Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	31/05/2023	Date of Testing	01/06/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	II Lads PVI. LIU. 35
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm³/h	240.9

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

SO 9001 2015 Certified Company GO 40001 2018 Corilled Company

TEST REPORT (STACK MONITORING)

	(5.1.61.11.51.11.5)				
Test Report No.	UERL/23/05/AIL-2/S-003	Report Issue Date	07/06/2023		
Service Request form No.	UERL/AIR/D/SRF/05/S-003	Service Request Date	31/05/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/05/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/003		
	M/s. AARTI INDUSRIES LTD. (Unit-2)				
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	Date of Testing	01/06/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 35
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm³/h	236.1

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	27	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

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

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

Checked By:

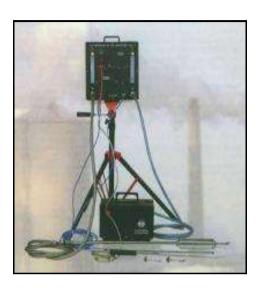
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.

2.0 STACK MONITORING **REPORT**



Period: June - 2023

FOR

M/s. Aarti Industries Limited (Unit - 2). (Diamond SEZ Unit)

At

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

Monitoring Organization



White House Near G.I.D.C. Office, Char Rasta. Vapi - 396 195, Gujarat, India. Phone: 491 260 2433966 / 2425610 Email: response@uerl.in Website: www.uerl.in



MoEF&CC (GOI) Recognized Environmental QCINASSI According SA & GW

Laboratory under the EPA-1986 (3) (03:3023 to 22:39:2024)

QCI-NASET Accredited BA & Gr Consultant Organization GPC8 Recognized Environmental Auditor (Schedule-II)

SCI 9001:2015 Certified Company ISO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

	(017101111101111			
Test Report No.	UERL/23/06/AIL-2/S-001	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date 24/06/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/06/001	Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/00		
	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer				
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.		
Date of Sampling	24/06/2023	Date of Testing	26/06/2023	
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	227.5

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	34	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist) Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7 Note: This report is subject to Terms and Conditions mentioned overleaf.



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EFA-1986 (3) (03:2023 to 22:09:2024)

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company 50 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

	(STACK MOTH				
Test Report No.	UERL/23/06/AIL-2/S-002	Report Issue Date	07/06/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-002 Service Request Date 24/06/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/06/002	UERL/AIR/D/ID/S-23/06/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/00			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/06/2023	Date of Testing	26/06/2023		
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm³/h	235

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EPA-1986 (3) (03:3023 to 22:39:2024)

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company 50 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

(or ion morning)				
Test Report No.	UERL/23/06/AIL-2/S-003	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-003	UERL/AIR/D/SRF/06/S-003 Service Request Date 2		
Sample ID No.	UERL/AIR/D/ID/S-23/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/003	
	M/s. AARTI INDUSRIES LTD. (L	Jnit-2)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	24/06/2023	Date of Testing	26/06/2023	
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	10.5
7.	Exit Gas Flow	Nm³/h	223.4

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	32	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel

(Manager - Operations)



MoEF&CC (GOI) Recognized Environmental taboratory under the EPA-196s (3) 53.2023 to 22.09 2024)

QC-HABE Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (5 che dute-II) ISO WI01:2015 Certifed Company

ISO 45001 (2018 Conflied Company

TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/23/07/AIL-2/S-001	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date 24/07/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	/001 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device			

> Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation	
1.	Stack Height	m	33	
2.	Stack Dia	mm	100	
3.	Stack Area	m²	0.0079	
4.	Ambient Temperature	°C	30	
5.	Flue Gas Temperature	oC III (15222⊒1 17231	125	
6.	Exit Gas Velocity	m/s	11.2	
7.	Exit Gas Flow	Nm³/h	234.0	

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.8	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





MoEF&CC (GOI) Recognized Environmental toboratory under the EPA-1984 (3): 53.2023 to 22.09.2024)

QC-HABE Accredited BA & GW Consultant Organization

GPCB Recognized Environmental Auditor (Schedule-II)

ISO WI01:2015 Certifed Company

190 45001 (2018) Centified Company

TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/23/07/AIL-2/S-002	Report Issue Date	05/08/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-002 Service Request Date 24/07/2023		24/07/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/07/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	24/07/2023	Date of Testing	25/07/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

> Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm³/h	229.4

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Test Parameter	Unit of Measurement	Result GPCB Limits Test Meth			
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)	
2.	Sulphur Dioxide (SO ₂)	ppm	24	100	IS 11255(Part 2)	
3.	Oxide of Nitrogen (NO _x)	ppm	40	50	IS 11255(Part 7)	
4.	TVOCs	ppm	2.1	**	GC Method	

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental taboratory under the EPA-1966 (3) 53:0023 to 22:09:2004)

QC-HABE Accredited BA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II) ISO WI01:2015 Certifed Company

ISO 45001 (2018 Centled Company

TEST REPORT

(STACK MONITORING)

,					
Test Report No.	UERL/23/07/AIL-2/S-003	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-003	24/07/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/07/003	UERL/AIR/D/ID/S-23/07/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23			
	M/s. AARTI INDUSRIES LTD. (U	Jnit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023	Date of Testing	25/07/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

> Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	227.9

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result GPCB Limits Test Me		
1.	Particulate Matter (PM)	mg/Nm³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.



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

MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EPA-1986 (3) (03:3023 to 22:39:2024)

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company 50 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

	(01710171110111				
Test Report No.	UERL/23/07/AIL-2/S-001	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	22/08/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	R/D/ID/S-23/07/001 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07			
	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND)				
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023		
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	ivilorifietil ciu Kesealu	II Labs PVI. Llu. 120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	228.4

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7 **Note:** This report is subject to Terms and Conditions mentioned overleaf.



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EFA-1986 (3) (03:2023 to 22:09:2024)

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company 50 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

(STACK MISTATION MISTATION				
Test Report No.	UERL/23/07/AIL-2/S-002	Report Issue Date	05/09/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-002	22/08/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/07/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	238.1

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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



MoEF&CC (GOI) Recognized Environmental Laboratory under the EFA 1986 (3) 03:3023 to 22:09:2024

QCI-NABELAccredited EA & GIV Consultant Organization GPC8 Recognized Environmental Auditor (Schedule-II)

SCI 9001:2015 Certified Company ISO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

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

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm³/h	237.8

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.



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

MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EPA-1986 (3) (03:3023 to 22:39:2024)

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

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

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 122
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	238.9

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7 **Note:** This report is subject to Terms and Conditions mentioned overleaf.



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EFA-1986 (3) (03:2023 to 22:09:2024) Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

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

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	WIOIIIIEII. € IU KESEAIC	I Labs PVI. Liu. 32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.0
7.	Exit Gas Flow	Nm³/h	235.8

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EPA-1986 (3) (03:3023 to 22:39:2024)

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MISHING)					
Test Report No.	UERL/23/09/AIL-2/S-003	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-003 Service Request Date 22/09/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/09/003	UERL/AIR/D/ID/S-23/09/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
	M/s. AARTI INDUSRIES LTD. (I	UNIT-2 DIAMOND)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	22/09/2023	Date of Testing	23/09/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	231.5

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.9	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9

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QCINASET Accredited EA & GW Consultant Organization

GPCB Recognized Environmental Auditor (Schedule-II)

50 9001 2015 Certified Company SO 40001 2018 Confided Company

TEST REPORT (STACK MONITORING)

(or test morning)					
Test Report No.	UERL/23/04/AIL-2/S-001	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-001	Service Request Date	20/04/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/04/001	UERL/AIR/D/ID/S-23/04/001 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer					
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.			
Date of Sampling	20/04/2023	Date of Testing	21/04/2023		
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	ivilorifietil ciu Kesealu	II Labs PVI. Llu. 125
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm³/h	230.0

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	25	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.5	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

50 9001 2015 Certified Company GO 40001 2018 Corilled Company

TEST REPORT (STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/04/AIL-2/S-002	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-002	Service Request Date	20/04/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/04/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/002		
	M/s. AARTI INDUSRIES LTD. (I	M/s. AARTI INDUSRIES LTD. (Unit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	20/04/2023	Date of Testing	21/04/2023		
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL® U KESEAL	II Lads PVI. LIU. 33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	229.6

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.9	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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





QCINASET Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

50 9001 2015 Cerified Company Goriffed Company

TEST REPORT (STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/04/AIL-2/S-003	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-003 Service Request Date 20/04/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/04/003	UERL/AIR/D/ID/S-23/04/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04			
	M/s. AARTI INDUSRIES LTD. (I	Jnit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	20/04/2023	Date of Testing	21/04/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	236.3

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

SO 9001 2015 Certified Company SO 40001 2018 Corfiled Company

TEST REPORT (STACK MONITORING)

(STACK INSTITUTION)						
Test Report No.	UERL/23/04/AIL-2/S-004					
Service Request form No.	UERL/AIR/D/SRF/04/S-004	UERL/AIR/D/SRF/04/S-004 Service Request Date 19/04/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/04/004	UERL/AIR/D/ID/S-23/04/004 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04				
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.					
Date of Sampling	19/04/2023	19/04/2023 Date of Testing 20/04/2023				
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)					
Air Pollution Control Device	Alkali Scrubber					

> Details of Instrument Used for Monitoring

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

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	33
3.	Flue Gas Temperature	Violine il ∘c id Keseaid	n Lads Pvt. Ltd. 348

> Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 10

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QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

SO 9001 2015 Certified Company SO 40001 2018 Corfiled Company

TEST REPORT (STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/04/AIL-2/S-005				
Service Request form No.	UERL/AIR/D/SRF/04/S-005 Service Request Date 19/04/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/04/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/0				
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	Invironmen ^c and Resea	rch Lahs Pvt Ltd 45

> Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

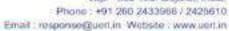
3) **: Limit Not Define in GPCB CC&A.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II)

SO 9001 2015 Certified Company GO 40001 2018 Corilled Company

TEST REPORT (STACK MONITORING)

UERL/23/04/AIL-2/S-006	Report Issue Date	05/05/2023		
		00,00,2020		
UERL/AIR/D/SRF/04/S-006 Service Request Date 19/04/2023				
UERL/AIR/D/ID/S-23/04/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/				
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Scrubber Connected to DCP. (S-3)				
Alkali Scrubber				
	UERL/AIR/D/ID/S-23/04/006 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Scrubber Connected to DCP. (S	UERL/AIR/D/ID/S-23/04/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing Scrubber Connected to DCP. (S-3)		

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1 Serial Number 126 DTG 2018			
Calibration Date	23/04/2022	Next Calibration Due On	22/06/2023	

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	ironment and Research	Lahs Pyt Ltd 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	5.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II)

SO 9001 2015 Certified Company SO 40001 2018 Corfiled Company

TEST REPORT (STACK MONITORING)

(STACK MONTOKING)				
UERL/23/04/AIL-2/S-007	Report Issue Date	05/05/2023		
UERL/AIR/D/SRF/04/S-007	Service Request Date	19/04/2023		
UERL/AIR/D/ID/S-23/04/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/007		
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
19/04/2023	19/04/2023 Date of Testing 20/04/2023			
DCP Plant: DCA Sulphate Vent. (S-11)				
Venturi Water Scrubber				
	UERL/AIR/D/SRF/04/S-007 UERL/AIR/D/ID/S-23/04/007 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 DCP Plant: DCA Sulphate Vent	UERL/AIR/D/SRF/04/S-007 Service Request Date UERL/AIR/D/ID/S-23/04/007 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing DCP Plant: DCA Sulphate Vent. (S-11)		

> Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

> Test Parameter Results

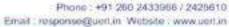
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	15.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	0.5	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist) **Authorized By:**





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SO 9001 2015 Certified Company GO 40001 2018 Corilled Company

TEST REPORT (STACK MONITORING)

(STACK INSTITUTION					
Test Report No.	UERL/23/04/AIL-2/S-008	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-008	Service Request Date	19/04/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/04/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/008		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 40

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:2.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MISTATION				
UERL/23/04/AIL-2/S-009	Report Issue Date	05/05/2023		
UERL/AIR/D/SRF/04/S-009	Service Request Date	19/04/2023		
UERL/AIR/D/ID/S-23/04/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/009		
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
19/04/2023	19/04/2023 Date of Testing 20/04/2023			
O DCA Plant Vacuum Pump Storage Tank. (S-7)				
ntrol Devise Water Scrubber				
	UERL/23/04/AIL-2/S-009 UERL/AIR/D/SRF/04/S-009 UERL/AIR/D/ID/S-23/04/009 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 DCA Plant Vacuum Pump Stora	UERL/23/04/AIL-2/S-009 Report Issue Date UERL/AIR/D/SRF/04/S-009 Service Request Date UERL/AIR/D/ID/S-23/04/009 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing DCA Plant Vacuum Pump Storage Tank. (S-7)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 48

> Test Parameter Results

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

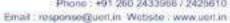
Note: 1) ** Limit Not Define by in GPCB CC&A.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MOUNTOKING)						
UERL/23/04/AIL-2/S-010	Report Issue Date	05/05/2023				
UERL/AIR/D/SRF/04/S-010	Service Request Date	19/04/2023				
UERL/AIR/D/ID/S-23/04/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/010				
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.						
19/04/2023	Date of Testing	20/04/2023				
HNO3 Tank. (S-8)						
3 Stage Lime Scrubber						
	UERL/23/04/AIL-2/S-010 UERL/AIR/D/SRF/04/S-010 UERL/AIR/D/ID/S-23/04/010 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 HNO3 Tank. (S-8)	UERL/23/04/AIL-2/S-010 Report Issue Date UERL/AIR/D/SRF/04/S-010 Service Request Date UERL/AIR/D/ID/S-23/04/010 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing HNO3 Tank. (S-8)				

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/04/2022	Next Calibration Due On	22/06/2023	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmen ^{°C} and Rese	arch Labs Pvt. Ltd. 45

> Test Parameter Results

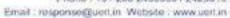
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/04/AIL-2/S-011	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-011	UERL/AIR/D/SRF/04/S-011 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/04/011	JERL/AIR/D/ID/S-23/04/011 Field Data Sheet No. UER			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	Invironmen ^o Cand Resea	ch Lahs Pyt Ltd 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

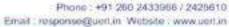
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

SO 9001 2015 Certified Company SO 40001 2018 Corfiled Company

TEST REPORT (STACK MONITORING)

(STACK MOTHER MAC)				
UERL/23/04/AIL-2/S-012	Report Issue Date	05/05/2023		
UERL/AIR/D/SRF/04/S-012	UERL/AIR/D/SRF/04/S-012 Service Request Date 19			
UERL/AIR/D/ID/S-23/04/012 Field Data Sheet No. UERL/AIR/D/FDS/S-23,				
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Liquid SO3 & Oleum Tank.				
Acid Scrubber				
	UERL/23/04/AIL-2/S-012 UERL/AIR/D/SRF/04/S-012 UERL/AIR/D/ID/S-23/04/012 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Liquid SO3 & Oleum Tank.	UERL/23/04/AIL-2/S-012 Report Issue Date UERL/AIR/D/SRF/04/S-012 Service Request Date UERL/AIR/D/ID/S-23/04/012 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing Liquid SO3 & Oleum Tank.		

> Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmen°and Rese	arch Lahs Pvt Ltd 45

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MONITORING)				
UERL/23/04/AIL-2/S-013	Report Issue Date	05/05/2023		
UERL/AIR/D/SRF/04/S-013	19/04/2023			
UERL/AIR/D/ID/S-23/04/013	UERL/AIR/D/ID/S-23/04/013 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
19/04/2023	19/04/2023 Date of Testing 20/04/2023			
SAC And TAR Plant.				
Alkali Spray Scrubber				
	UERL/23/04/AIL-2/S-013 UERL/AIR/D/SRF/04/S-013 UERL/AIR/D/ID/S-23/04/013 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 SAC And TAR Plant.	UERL/23/04/AIL-2/S-013 Report Issue Date UERL/AIR/D/SRF/04/S-013 Service Request Date UERL/AIR/D/ID/S-23/04/013 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing SAC And TAR Plant.		

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy SamplerSerial Number91-I-19			
Calibration Date	04/04/2022	Next Calibration Due on	05/05/2023	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 38

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

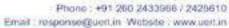
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel

(Manager - Operations)





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/04/AIL-2/S-014	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-014	Service Request Date	19/04/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/04/014	UERL/AIR/D/ID/S-23/04/014 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

SO 9001 2015 Certified Company GO 40001 2018 Corilled Company

TEST REPORT (STACK MONITORING)

(STACK MOIT)				
UERL/23/05/AIL-2/S-001	Report Issue Date	07/06/2023		
UERL/AIR/D/SRF/05/S-001	Service Request Date	31/05/2023		
UERL/AIR/D/ID/S-23/05/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/001		
M/s. AARTI INDUSRIES LTD. (Unit-2)				
Plot No. Z/103/C, Dahej SEZ Part-II,				
Tal. Vagra, Dist. Bharuch, Dahe	j-392130, Gujarat.			
31/05/2023	Date of Testing	01/06/2023		
D.G. Set - 1 (2000 KVA)				
Diesel				
	UERL/23/05/AIL-2/S-001 UERL/AIR/D/SRF/05/S-001 UERL/AIR/D/ID/S-23/05/001 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahe 31/05/2023 D.G. Set - 1 (2000 KVA) Diesel	UERL/23/05/AIL-2/S-001 Report Issue Date UERL/AIR/D/SRF/05/S-001 Service Request Date UERL/AIR/D/ID/S-23/05/001 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing D.G. Set - 1 (2000 KVA) Diesel		

Details of Instrument Used for Monitoring

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

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 126
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	237.0

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7

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





QCI-NASET Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

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TEST REPORT (STACK MONITORING)

	(STACK MOTH	. •			
Test Report No.	UERL/23/05/AIL-2/S-002	Report Issue Date	07/06/2023		
Service Request form No.	UERL/AIR/D/SRF/05/S-002	UERL/AIR/D/SRF/05/S-002 Service Request Date 31/05/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/05/002	UERL/AIR/D/ID/S-23/05/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/0			
	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	Date of Testing	01/06/2023		
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	II Lads PVI. LIU. 35
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm³/h	240.9

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Test Parameter	Unit of Measurement	Result GPCB Limits Test Method			
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)	
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)	
3.	Oxide of Nitrogen (NOx)	ppm	35	50	IS 11255(Part 7)	
4.	TVOCs	ppm	2.1	**	GC Method	

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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





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TEST REPORT (STACK MONITORING)

(0)					
Test Report No.	UERL/23/05/AIL-2/S-003	Report Issue Date	07/06/2023		
Service Request form No.	UERL/AIR/D/SRF/05/S-003	31/05/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/05/003	UERL/AIR/D/ID/S-23/05/003 Field Data Sheet No. UERL/AIR/D/FDS			
	M/s. AARTI INDUSRIES LTD. (I	Jnit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	Date of Testing	01/06/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 35
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm³/h	236.1

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	27	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

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

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

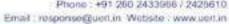
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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TEST REPORT (STACK MONITORING)

(STACK MOTOR COMPS)					
Test Report No.	UERL/23/05/AIL-2/S-004	Report Issue Date	07/06/2023		
Service Request form No.	UERL/AIR/D/SRF/05/S-004	UERL/AIR/D/SRF/05/S-004 Service Request Date 31/05/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/05/004	UERL/AIR/D/ID/S-23/05/004 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	31/05/2023 Date of Testing 01/06/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)				
Air Pollution Control Device	Alkali Scrubber				

> Details of Instrument Used for Monitoring

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

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	35
3.	Flue Gas Temperature	vironment ∘c la Researc	n Lads Pvt. Ltd. 344

> Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/05/AIL-2/S-005	Report Issue Date	07/06/2023		
Service Request form No.	UERL/AIR/D/SRF/05/S-005 Service Request Date 31/05/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/05/005	UERL/AIR/D/ID/S-23/05/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	31/05/2023 Date of Testing 01/06/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)				
Air Pollution Control Device	Alkali Scrubber				

> Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	Invironmen ^c and Resea	rch Lahs Pvt Ltd 46

Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

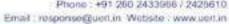
3) **: Limit Not Define in GPCB CC&A.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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SO 9001 2015 Certified Company SO 40001 2018 Corilled Company

TEST REPORT (STACK MONITORING)

(STACK MONTOKING)				
UERL/23/05/AIL-2/S-006	Report Issue Date	07/06/2023		
UERL/AIR/D/SRF/05/S-006	Service Request Date	31/05/2023		
UERL/AIR/D/ID/S-23/05/006	UERL/AIR/D/ID/S-23/05/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23,			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahei-392130, Gujarat.				
31/05/2023	31/05/2023 Date of Testing 01/06/2023			
Scrubber Connected to DCP. (S-3)				
Alkali Scrubber				
	UERL/AIR/D/SRF/05/S-006 UERL/AIR/D/ID/S-23/05/006 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Scrubber Connected to DCP. (S	UERL/AIR/D/SRF/05/S-006 Service Request Date UERL/AIR/D/ID/S-23/05/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing Scrubber Connected to DCP. (S-3)		

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1 Serial Number 126 DTG 2018			
Calibration Date	23/05/2022	Next Calibration Due On	22/06/2023	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	ironment and Research	Lahs Pyt Ltd 42

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.1	25	IS: 11255 (Part 7): 2005 RA.2017

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

iiiii.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

SO 9001 2015 Certified Company GO 40001 2018 Corilled Company

TEST REPORT (STACK MONITORING)

(STACK WORLD KING)				
Test Report No.	UERL/23/05/AIL-2/S-007	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/05/S-007	Service Request Date	31/05/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/05/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/007	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	31/05/2023	Date of Testing	01/06/2023	
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11) Venturi Water Scrubber			
Air Pollution Control Devise				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 50

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	12.1	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.2	**	GC Method

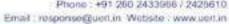
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
3) ** Limit Not Define by in GPCB CC&A.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MOTHER CHINE)				
UERL/23/05/AIL-2/S-008	Report Issue Date	07/06/2023		
UERL/AIR/D/SRF/05/S-008	UERL/AIR/D/SRF/05/S-008 Service Request Date			
UERL/AIR/D/ID/S-23/05/008	JERL/AIR/D/ID/S-23/05/008 Field Data Sheet No. UERL/AIR			
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
31/05/2023	Date of Testing	01/06/2023		
Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6) Alkali Scrubber				
				UERL/23/05/AIL-2/S-008 UERL/AIR/D/SRF/05/S-008 UERL/AIR/D/ID/S-23/05/008 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Common Alkali Scrubber Conn

> Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 42

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:2.0)	40	IS 11255 (Part 2)

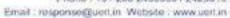
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MONTOKING)				
UERL/23/05/AIL-2/S-009	Report Issue Date	07/06/2023		
UERL/AIR/D/SRF/05/S-009	UERL/AIR/D/SRF/05/S-009 Service Request Date 31/05/2023			
UERL/AIR/D/ID/S-23/05/009	UERL/AIR/D/ID/S-23/05/009 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/00			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahei-392130, Gujarat.				
31/05/2023	Date of Testing	01/06/2023		
DCA Plant Vacuum Pump Storage Tank. (S-7)				
Water Scrubber				
	UERL/23/05/AIL-2/S-009 UERL/AIR/D/SRF/05/S-009 UERL/AIR/D/ID/S-23/05/009 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 DCA Plant Vacuum Pump Store	UERL/23/05/AIL-2/S-009 Report Issue Date UERL/AIR/D/SRF/05/S-009 Service Request Date UERL/AIR/D/ID/S-23/05/009 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing DCA Plant Vacuum Pump Storage Tank. (S-7)		

> Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

> Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EA & GW Consultant Organization GPCB Recognized Environmental Auditor (Schedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MONTOKING)				
UERL/23/05/AIL-2/S-010	Report Issue Date	07/06/2023		
UERL/AIR/D/SRF/05/S-010	UERL/AIR/D/SRF/05/S-010 Service Request Date 31/05/2023			
UERL/AIR/D/ID/S-23/05/010	UERL/AIR/D/ID/S-23/05/010 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/01			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahei-392130, Gujarat.				
31/05/2023	31/05/2023 Date of Testing 01/06/2023			
HNO3 Tank. (S-8)				
3 Stage Lime Scrubber				
	UERL/23/05/AIL-2/S-010 UERL/AIR/D/SRF/05/S-010 UERL/AIR/D/ID/S-23/05/010 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 HNO3 Tank. (S-8)	UERL/23/05/AIL-2/S-010 Report Issue Date UERL/AIR/D/SRF/05/S-010 Service Request Date UERL/AIR/D/ID/S-23/05/010 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing HNO3 Tank. (S-8)		

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/05/2022	Next Calibration Due On	22/06/2023	

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmen°Cand Rese	arch Labs Pvt. Ltd. 48

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

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TEST REPORT (STACK MONITORING)

Test Report No.	UERL/23/05/AIL-2/S-011	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/05/S-011	Service Request Date	31/05/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/05/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/011	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	31/05/2023	Date of Testing	01/06/2023	
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)			
Air Pollution Control Devise	Alkali Scrubber			

> Details of Instrument Used for Monitoring

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

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	Invironmen ^c and Resea	rch Lahs Pvt Ltd 50

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

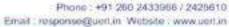
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MONTOKING)				
UERL/23/05/AIL-2/S-012	Report Issue Date	07/06/2023		
UERL/AIR/D/SRF/05/S-012 Service Request Date 31/05/2023				
UERL/AIR/D/ID/S-23/05/012	UERL/AIR/D/ID/S-23/05/012 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/01			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
31/05/2023 Date of Testing 01/06/2023				
Liquid SO3 & Oleum Tank.				
Acid Scrubber				
	UERL/23/05/AIL-2/S-012 UERL/AIR/D/SRF/05/S-012 UERL/AIR/D/ID/S-23/05/012 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Liquid SO3 & Oleum Tank.	UERL/23/05/AIL-2/S-012 Report Issue Date UERL/AIR/D/SRF/05/S-012 Service Request Date UERL/AIR/D/ID/S-23/05/012 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing Liquid SO3 & Oleum Tank.		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy SamplerSerial Number91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmen°and Rese	arch Lahs Pvt Ltd 42

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

SO 9001 2015 Certified Company SO 40001 2018 Corfiled Company

TEST REPORT (STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/05/AIL-2/S-013	Report Issue Date	07/06/2023		
Service Request form No.	UERL/AIR/D/SRF/05/S-013 Service Request Date 31/05/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/05/013	UERL/AIR/D/ID/S-23/05/013 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/01			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	31/05/2023 Date of Testing 01/06/2023			
Stack Sampling Attached to	SAC And TAR Plant.				
Air Pollution Control Devise	Alkali Spray Scrubber				

> Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 40

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognized Environmental Auditor (3 chedule-II)

SO 9001 2015 Certified Company SO 40001 2018 Corfiled Company

TEST REPORT (STACK MONITORING)

(STACK MOTOR COLLEGE)			
UERL/23/05/AIL-2/S-014	Report Issue Date	07/05/2023	
UERL/AIR/D/SRF/05/S-014 Service Request Date 31/05/2023			
UERL/AIR/D/ID/S-23/05/014 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/0			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
31/05/2023 Date of Testing 01/06/2023			
Scrubber Connected to NSA (S-2)			
e Alkali Scrubber			
	UERL/23/05/AIL-2/S-014 UERL/AIR/D/SRF/05/S-014 UERL/AIR/D/ID/S-23/05/014 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Scrubber Connected to NSA (Secretary Control of the Control of t	UERL/23/05/AIL-2/S-014 Report Issue Date UERL/AIR/D/SRF/05/S-014 Service Request Date UERL/AIR/D/ID/S-23/05/014 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing Scrubber Connected to NSA (S-2)	

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy SamplerSerial Number91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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

MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EPA-1986 (3) (03:3023 to 22:39:2024)

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(orner mornio)				
Test Report No.	UERL/23/06/AIL-2/S-001	Report Issue Date	07/07/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	24/06/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/06/001	L/AIR/D/ID/S-23/06/001 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/		
	M/s. AARTI INDUSRIES LTD. (Unit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.		
Date of Sampling	24/06/2023	Date of Testing	26/06/2023	
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	227.5

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	34	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7 **Note:** This report is subject to Terms and Conditions mentioned overleaf.



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

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Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(or text motion of thirty)				
Test Report No.	UERL/23/06/AIL-2/S-002	Report Issue Date	07/07/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-002	UERL/AIR/D/SRF/06/S-002 Service Request Date 24/06/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/06/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	24/06/2023	Date of Testing	26/06/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm³/h	235

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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MoEF&CC (GOI) Recognized Environmental Laboratory under the EFA-1986 (3) 03:3023 to 22:39:3024

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SCI 9001:2015 Certified Company ISO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
Test Report No.	UERL/23/06/AIL-2/S-003	Report Issue Date	07/07/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-003 Service Request Date 24/06/2023		24/06/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/06/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23		UERL/AIR/D/FDS/S-23/06/003	
	M/s. AARTI INDUSRIES LTD. (U	Jnit-2)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	24/06/2023	Date of Testing	26/06/2023	
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	10.5
7.	Exit Gas Flow	Nm³/h	223.4

> Test Parameter Results

DISCIP	PLINE – CHEMICAL TESTING	NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	32	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3.2023 to 22:07:2024;

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/23/06/AIL-2/S-004	Report Issue Date	07/07/2023			
Service Request form No.	UERL/AIR/D/SRF/06/S-004 Service Request Date 22/06/2023					
Sample ID No.	UERL/AIR/D/ID/S-23/06/004	UERL/AIR/D/ID/S-23/06/004 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/				
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.					
Date of Sampling	22/06/2023	22/06/2023 Date of Testing 23/06/2023				
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)					
Air Pollution Control Device	Alkali Scrubber					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	30
3.	Flue Gas Temperature	Violine il ∘c id Keseaid	n Lads Pvt. Ltd. 342

Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 10

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MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3-2023 to 22:39:2024;

Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)				
Test Report No.	UERL/23/06/AIL-2/S-005	Report Issue Date	07/07/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-005 Service Request Date 22/06/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/06/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/06/2023 Date of Testing 23/06/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)			
Air Pollution Control Device	Alkali Scrubber			

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	Invironmen ^c and Resea	rch Lahs Pvt Ltd 45

Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental QCI NASST According BA & GW Loboratory under the EFA-1986 (3) J.3.2023 to 22:07:2024;

Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
UERL/23/06/AIL-2/S-006	Report Issue Date	07/07/2023		
UERL/AIR/D/SRF/06/S-006 Service Request Date 22/06/2023				
UERL/AIR/D/ID/S-23/06/006	UERL/AIR/D/ID/S-23/06/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/0			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
22/06/2023	22/06/2023 Date of Testing 23/06/2023			
Scrubber Connected to DCP. (S-3)				
Alkali Scrubber				
	UERL/AIR/D/SRF/06/S-006 UERL/AIR/D/ID/S-23/06/006 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Scrubber Connected to DCP. (S	UERL/AIR/D/SRF/06/S-006 Service Request Date UERL/AIR/D/ID/S-23/06/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Date of Testing Scrubber Connected to DCP. (S-3)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	ironment and Research	Labs Pvt Ltd 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3-2023 to 22:39:2024;

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MOTOR CO.				
UERL/23/06/AIL-2/S-007	Report Issue Date	07/07/2023		
UERL/AIR/D/SRF/06/S-007	Service Request Date	22/06/2023		
UERL/AIR/D/ID/S-23/06/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/007		
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
22/06/2023	Date of Testing	23/06/2023		
DCP Plant: DCA Sulphate Vent. (S-11)				
Venturi Water Scrubber				
	UERL/23/06/AIL-2/S-007 UERL/AIR/D/SRF/06/S-007 UERL/AIR/D/ID/S-23/06/007 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 DCP Plant: DCA Sulphate Vent.	UERL/23/06/AIL-2/S-007 Report Issue Date UERL/AIR/D/SRF/06/S-007 Service Request Date UERL/AIR/D/ID/S-23/06/007 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Date of Testing DCP Plant: DCA Sulphate Vent. (S-11)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	8.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.5	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3-2023 to 22:39:2024;

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/23/06/AIL-2/S-008	Report Issue Date	07/07/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-008	Service Request Date	22/06/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/06/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/008	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/06/2023	Date of Testing	23/06/2023	
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)			
Air Pollution Control Devise	Alkali Scrubber			

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 42

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	1.5	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EFA-1986 (3) (03:2023 to 22:09:2024)

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TEST REPORT

(STACK MONITORING)

(STACK MODITIONING)				
Test Report No.	UERL/23/06/AIL-2/S-009	Report Issue Date	07/07/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-009	Service Request Date	22/06/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/06/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/009	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/06/2023	Date of Testing	23/06/2023	
Stack Sampling Attached to	ck Sampling Attached to DCA Plant Vacuum Pump Storage Tank. (S-7)			
Air Pollution Control Devise Water Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EFA-1986 (3) (03:2023 to 22:09:2024)

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TEST REPORT

(STACK MONITORING)

(517161111611				
UERL/23/06/AIL-2/S-010	Report Issue Date	07/07/2023		
UERL/AIR/D/SRF/06/S-010	UERL/AIR/D/SRF/06/S-010 Service Request Date 22/06			
UERL/AIR/D/ID/S-23/06/010	UERL/AIR/D/ID/S-23/06/010 Field Data Sheet No. UERL/AIR/D/FDS/S-			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahei-392130, Gujarat.				
22/06/2023	Date of Testing	23/06/2023		
HNO3 Tank. (S-8)				
3 Stage Lime Scrubber				
	UERL/23/06/AIL-2/S-010 UERL/AIR/D/SRF/06/S-010 UERL/AIR/D/ID/S-23/06/010 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 HNO3 Tank. (S-8)	UERL/AIR/D/SRF/06/S-010 Service Request Date UERL/AIR/D/ID/S-23/06/010 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Date of Testing HNO3 Tank. (S-8)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen ^{°C} and Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3.2023 to 22:07:2024;

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TEST REPORT

(STACK MONITORING)

	(STATES)				
Test Report No.	UERL/23/06/AIL-2/S-011	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-011	UERL/AIR/D/SRF/06/S-011 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/06/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/011		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/06/2023	Date of Testing	23/06/2023		
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	Invironmen ^o Cand Resea	rch Lahs Pyt Ltd 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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

MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3.2023 to 22:07:2024;

Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MOTH SKIITS)				
UERL/23/06/AIL-2/S-012	Report Issue Date	07/07/2023		
UERL/AIR/D/SRF/06/S-012	UERL/AIR/D/SRF/06/S-012 Service Request Date 2			
UERL/AIR/D/ID/S-23/06/012	JERL/AIR/D/ID/S-23/06/012 Field Data Sheet No. UERL/AI			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
22/06/2023	Date of Testing	23/06/2023		
Liquid SO3 & Oleum Tank.				
Acid Scrubber				
	UERL/23/06/AIL-2/S-012 UERL/AIR/D/SRF/06/S-012 UERL/AIR/D/ID/S-23/06/012 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Liquid SO3 & Oleum Tank.	UERL/23/06/AIL-2/S-012 Report Issue Date UERL/AIR/D/SRF/06/S-012 Service Request Date UERL/AIR/D/ID/S-23/06/012 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Date of Testing Liquid SO3 & Oleum Tank.		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen°and Rese	arch Lahs Pvt Ltd 44

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3-2023 to 22:39:2024;

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TEST REPORT

(STACK MONITORING)

(STACK MOTH CHING)				
UERL/23/06/AIL-2/S-013	Report Issue Date	07/07/2023		
UERL/AIR/D/SRF/06/S-013 Service Request Date 22/06/2023				
UERL/AIR/D/ID/S-23/06/013	UERL/AIR/D/ID/S-23/06/013 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/01			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
22/06/2023	Date of Testing	23/06/2023		
SAC And TAR Plant.				
Alkali Spray Scrubber				
	UERL/23/06/AIL-2/S-013 UERL/AIR/D/SRF/06/S-013 UERL/AIR/D/ID/S-23/06/013 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 SAC And TAR Plant.	UERL/23/06/AIL-2/S-013 Report Issue Date UERL/AIR/D/SRF/06/S-013 Service Request Date UERL/AIR/D/ID/S-23/06/013 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Date of Testing SAC And TAR Plant.		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EFA-1986 (3) (03:2023 to 22:09:2024)

Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/06/AIL-2/S-014	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-014 Service Request Date 22/06/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/06/014	UERL/AIR/D/ID/S-23/06/014 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/06/2023	Date of Testing	23/06/2023		
Stack Sampling Attached to	o Scrubber Connected to NSA (S-2)				
Air Pollution Control Devise	e Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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

MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EPA-1986 (3) (03:3023 to 22:39:2024)

Consultant Organization

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TEST REPORT

(STACK MONITORING)

(or text morning)					
Test Report No.	UERL/23/07/AIL-2/S-001	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	24/07/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	UERL/AIR/D/ID/S-23/07/001 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/			
	M/s. AARTI INDUSRIES LTD. (Unit-2)				
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.			
Date of Sampling	24/07/2023	Date of Testing	25/07/2023		
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	Whomhell clu Reseald	II Labs PVI. Llu. 125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	234.0

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.8	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EFA-1986 (3) (03:2023 to 22:09:2024)

Consultant Organization

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TEST REPORT

(STACK MONITORING)

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Test Report No.	UERL/23/07/AIL-2/S-002	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-002	UERL/AIR/D/SRF/07/S-002 Service Request Date 24/07/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/07/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/002				
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023	Date of Testing	25/07/2023		
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device			·		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm³/h	229.4

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	Test Method	
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	24	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	40	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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TEST REPORT

(STACK MONITORING)

	V				
Test Report No.	UERL/23/07/AIL-2/S-003	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-003	Service Request Date	24/07/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/07/003	UERL/AIR/D/ID/S-23/07/003 Field Data Sheet No. UERL/AIR/			
	M/s. AARTI INDUSRIES LTD. (U	Jnit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023	Date of Testing	25/07/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 30
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	227.9

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	Test Method	
1.	Particulate Matter (PM)	mg/Nm³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 **Note:** This report is subject to Terms and Conditions mentioned overleaf.



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

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TEST REPORT

(STACK MONITORING)

	(or ion morning)				
Test Report No.	UERL/23/07/AIL-2/S-004	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-004	UERL/AIR/D/SRF/07/S-004 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/07/004	UERL/AIR/D/ID/S-23/07/004 Field Data Sheet No.			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023	Date of Testing	25/07/2023		
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	30
3.	Flue Gas Temperature	Violine il ∘c id Keseaid	n Lads Pvt. Ltd. 342

Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

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TEST REPORT

(STACK MONITORING)

	(STACK MOTO			
Test Report No.	UERL/23/07/AIL-2/S-005	Report Issue Date	05/08/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-005	UERL/AIR/D/SRF/07/S-005 Service Request Date 2		
Sample ID No.	UERL/AIR/D/ID/S-23/07/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	24/07/2023 Date of Testing 25/07/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)			
Air Pollution Control Device	Alkali Scrubber			

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	nvironmen ^o Cand Resea	rch Lahs Pvt Ltd 45

Test Parameter Results

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

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental Laboratory under the EFA-1986 (3) 03:2023 to 22:09:2024

QCI-NASET Accredited EA & GW Consultant Organization GPC8 Recognized Environmental Auditor (5 che dule -II)

SCI 9001:2015 Certified Company ISO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

(STACK WORL			
UERL/23/07/AIL-2/S-006	Report Issue Date	05/08/2023	
UERL/AIR/D/SRF/07/S-006	/AIR/D/SRF/07/S-006 Service Request Date 24/07/2023		
UERL/AIR/D/ID/S-23/07/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
24/07/2023 Date of Testing 25/07/2023			
Scrubber Connected to DCP. (S-3)			
Alkali Scrubber			
	UERL/AIR/D/SRF/07/S-006 UERL/AIR/D/ID/S-23/07/006 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Scrubber Connected to DCP. (S	UERL/AIR/D/SRF/07/S-006 Service Request Date UERL/AIR/D/ID/S-23/07/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Date of Testing Scrubber Connected to DCP. (S-3)	

> Details of Instrument Used for Monitoring

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

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	ironment and Research	Labs Pvt Ltd 46

Test Parameter Results

S N	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1	Oxides of Nitrogen (NOx)	mg/Nm³	3.2	25	IS: 11255 (Part 7): 2005 RA.2017

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

ι.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MOTULE)				
Test Report No.	UERL/23/07/AIL-2/S-007	Report Issue Date	05/08/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-007	RL/AIR/D/SRF/07/S-007 Service Request Date 2		
Sample ID No.	UERL/AIR/D/ID/S-23/07/007 Field Data Sheet No. UERL/AIR/D/FDS/S-23			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	24/07/2023 Date of Testing 25/07/2023			
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)			
Air Pollution Control Devise	Venturi Water Scrubber			

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	5.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.6	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MOTHER)				
UERL/23/07/AIL-2/S-008	Report Issue Date	05/08/2023		
UERL/AIR/D/SRF/07/S-008	Service Request Date	24/07/2023		
UERL/AIR/D/ID/S-23/07/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/008		
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
24/07/2023	Date of Testing	25/07/2023		
Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)				
Alkali Scrubber				
	UERL/23/07/AIL-2/S-008 UERL/AIR/D/SRF/07/S-008 UERL/AIR/D/ID/S-23/07/008 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Common Alkali Scrubber Conn	UERL/23/07/AIL-2/S-008 Report Issue Date UERL/AIR/D/SRF/07/S-008 Service Request Date UERL/AIR/D/ID/S-23/07/008 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Date of Testing Common Alkali Scrubber Connected to SO2 Tank Farm. (

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	2.2	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
UERL/23/07/AIL-2/S-009	Report Issue Date	05/08/2023		
UERL/AIR/D/SRF/07/S-009	Service Request Date	24/07/2023		
UERL/AIR/D/ID/S-23/07/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/009		
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
24/07/2023	24/07/2023 Date of Testing 25/07/2023			
Sampling Attached to DCA Plant Vacuum Pump Storage Tank. (S-7)				
e Water Scrubber				
	UERL/23/07/AIL-2/S-009 UERL/AIR/D/SRF/07/S-009 UERL/AIR/D/ID/S-23/07/009 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 DCA Plant Vacuum Pump Store	UERL/23/07/AIL-2/S-009 Report Issue Date UERL/AIR/D/SRF/07/S-009 Service Request Date UERL/AIR/D/ID/S-23/07/009 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Date of Testing DCA Plant Vacuum Pump Storage Tank. (S-7)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

> Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

	(STACK INCIATIONING)				
Test Report No.	UERL/23/07/AIL-2/S-010	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-010	Service Request Date	24/07/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/07/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/010		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023	Date of Testing	25/07/2023		
Stack Sampling Attached to	HNO3 Tank. (S-8)				
Air Pollution Control Devise	3 Stage Lime Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen°Cand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT (STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/07/AIL-2/S-011	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-011	UERL/AIR/D/SRF/07/S-011 Service Request Date 24/07/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/07/011	UERL/AIR/D/ID/S-23/07/011 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023 Date of Testing 25/07/2023				
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	nvironmen°Cand Resea	rch Lahs Pvt Ltd 52

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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

MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3.2023 to 22:07:2024;

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
UERL/23/07/AIL-2/S-012	Report Issue Date	05/08/2023		
UERL/AIR/D/SRF/07/S-012 Service Request Date 24/07/2023				
UERL/AIR/D/ID/S-23/07/012	UERL/AIR/D/ID/S-23/07/012 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/0			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
24/07/2023 Date of Testing 25/07/2023				
Liquid SO3 & Oleum Tank.				
Acid Scrubber				
	UERL/23/07/AIL-2/S-012 UERL/AIR/D/SRF/07/S-012 UERL/AIR/D/ID/S-23/07/012 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Liquid SO3 & Oleum Tank.	UERL/23/07/AIL-2/S-012 Report Issue Date UERL/AIR/D/SRF/07/S-012 Service Request Date UERL/AIR/D/ID/S-23/07/012 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Date of Testing Liquid SO3 & Oleum Tank.		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen°and Rese	arch Lahs Pvt Ltd 42

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK INCITATION				
UERL/23/07/AIL-2/S-013	Report Issue Date	05/08/2023		
UERL/AIR/D/SRF/07/S-013	24/07/2023			
UERL/AIR/D/ID/S-23/07/013	UERL/AIR/D/ID/S-23/07/013 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/			
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
24/07/2023 Date of Testing 25/07/2023				
SAC And TAR Plant.				
Alkali Spray Scrubber				
	UERL/AIR/D/SRF/07/S-013 UERL/AIR/D/ID/S-23/07/013 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 SAC And TAR Plant.	UERL/23/07/AIL-2/S-013 Report Issue Date UERL/AIR/D/SRF/07/S-013 Service Request Date UERL/AIR/D/ID/S-23/07/013 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Date of Testing SAC And TAR Plant.		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 19

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



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GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKINA)					
Test Report No.	UERL/23/07//AIL-2/S-014	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07//S-014	Service Request Date	24/07//2023		
Sample ID No.	UERL/AIR/D/ID/S-23/07//014	UERL/AIR/D/ID/S-23/07//014 Field Data Sheet No. UERL/AIR/D/FDS/S			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07//2023	Date of Testing	25/07//2023		
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

	(01710171110111	. •			
Test Report No.	UERL/23/08/AIL-2/S-001	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-001	Service Request Date	22/08/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/08/001	IR/D/ID/S-23/08/001 Field Data Sheet No. UERL/AIR/D/FDS/S-23/08/			
	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND)				
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023		
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	Whomhell clu Reseald	II Labs PVI. Llu. 120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	228.4

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

	(OTTOK INOTAL			
Test Report No.	UERL/23/08/AIL-2/S-002	Report Issue Date	05/09/2023	
Service Request form No.	UERL/AIR/D/SRF/08/S-002 Service Request Date 22/08/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/08/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/08/00			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device			·	

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	238.1

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Test Parameter	Unit of Measurement	Result GPCB Limits Test Metho			
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)	
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)	
3.	Oxide of Nitrogen (NOx)	ppm	36	50	IS 11255(Part 7)	
4.	TVOCs	ppm	2.3	**	GC Method	

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

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

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm³/h	237.8

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 **Note:** This report is subject to Terms and Conditions mentioned overleaf.



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(6.7.16.1.1.1.6.1.1.6.)					
Test Report No.	UERL/23/08/AIL-2/S-004	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-004	22/08/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/08/004	UERL/AIR/D/ID/S-23/08/004 Field Data Sheet No. UERL/AIR/D/FDS/S-23/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	22/08/2023 Date of Testing 23/08/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	30
3.	Flue Gas Temperature	Violine il ∘c id Keseaid	n Lads Pvt. Ltd. 345

Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

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

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy SamplerSerial Number91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	Invironmen ^o Cand Resea	rch Lahs Pyt Ltd 48

Test Parameter Results

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

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental Loboratory under the EFA-1986 (3) J.3.2023 to 22:07:2024;

QCI NASET According BA & GW Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MOTOR CO.				
UERL/23/08/AIL-2/S-006	Report Issue Date	05/09/2023		
UERL/AIR/D/SRF/08/S-006	JERL/AIR/D/SRF/08/S-006 Service Request Date 22/08/2023			
UERL/AIR/D/ID/S-23/08/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/08				
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
22/08/2023 Date of Testing 23/08/2023				
Scrubber Connected to DCP. (S-3)				
Alkali Scrubber				
	UERL/AIR/D/SRF/08/S-006 UERL/AIR/D/ID/S-23/08/006 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Scrubber Connected to DCP. (S	UERL/AIR/D/SRF/08/S-006 Service Request Date UERL/AIR/D/ID/S-23/08/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Date of Testing Scrubber Connected to DCP. (S-3)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	ironment and Research	Labs Pvt Ltd 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.1	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MISTATION AND ADDRESS A				
UERL/23/08/AIL-2/S-007	Report Issue Date	05/09/2023		
UERL/AIR/D/SRF/08/S-007	ERL/AIR/D/SRF/08/S-007 Service Request Date 22/08/2023			
UERL/AIR/D/ID/S-23/08/007 Field Data Sheet No. UERL/AIR/D/FDS/S-23/08				
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
22/08/2023 Date of Testing 23/08/2023				
DCP Plant: DCA Sulphate Vent. (S-11)				
Venturi Water Scrubber				
	UERL/AIR/D/SRF/08/S-007 UERL/AIR/D/ID/S-23/08/007 M/s. AARTI INDUSRIES LTD. (U Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 DCP Plant: DCA Sulphate Vent	UERL/AIR/D/SRF/08/S-007 Service Request Date UERL/AIR/D/ID/S-23/08/007 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Date of Testing DCP Plant: DCA Sulphate Vent. (S-11)		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	4.3	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.8	**	GC Method

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MISTATION MAS)				
UERL/23/08/AIL-2/S-008	Report Issue Date	05/09/2023		
UERL/AIR/D/SRF/08/S-008 Service Request Date 22/08/2023				
UERL/AIR/D/ID/S-23/08/008 Field Data Sheet No. UERL/AIR/D/FDS/S-23/08				
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
22/08/2023 Date of Testing 23/08/2023				
Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)				
Alkali Scrubber				
	UERL/23/08/AIL-2/S-008 UERL/AIR/D/SRF/08/S-008 UERL/AIR/D/ID/S-23/08/008 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Common Alkali Scrubber Conn	UERL/23/08/AIL-2/S-008 Report Issue Date UERL/AIR/D/SRF/08/S-008 Service Request Date UERL/AIR/D/ID/S-23/08/008 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Date of Testing Common Alkali Scrubber Connected to SO2 Tank Farm. (

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	2.3	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610

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

MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EFA-1986 (3) (03:2023 to 22:09:2024)

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MONTONING)					
Test Report No.	UERL/23/08/AIL-2/S-009	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-009	UERL/AIR/D/SRF/08/S-009 Service Request Date 22/08/202			
Sample ID No.	UERL/AIR/D/ID/S-23/08/009	UERL/AIR/D/ID/S-23/08/009 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	22/08/2023 Date of Testing 23/08/2023			
Stack Sampling Attached to	npling Attached to DCA Plant Vacuum Pump Storage Tank. (S-7)				
Air Pollution Control Devise	ution Control Devise Water Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

> Test Parameter Results

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company ISO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

	(STACK MOTHER MATE)			
Test Report No.	UERL/23/08/AIL-2/S-010	Report Issue Date	05/09/2023	
Service Request form No.	UERL/AIR/D/SRF/08/S-010	JERL/AIR/D/SRF/08/S-010 Service Request Date 2		
Sample ID No.	UERL/AIR/D/ID/S-23/08/010	UERL/AIR/D/ID/S-23/08/010 Field Data Sheet No. UERL/AIR/D/FDS		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023	
Stack Sampling Attached to	HNO3 Tank. (S-8)			
Air Pollution Control Devise	3 Stage Lime Scrubber			

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen ^{°C} and Rese	arch Labs Pvt Ltd 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

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

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	nvironmen°Cand Resea	rch Lahs Pvt Ltd 52

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 17

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



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

MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3.2023 to 22:07:2024;

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MOTOR COLLEGE)				
UERL/23/08/AIL-2/S-012	Report Issue Date	05/09/2023		
UERL/AIR/D/SRF/08/S-012 Service Request Date 22/08/2023				
UERL/AIR/D/ID/S-23/08/012	UERL/AIR/D/ID/S-23/08/012 Field Data Sheet No. UERL/AIR/D/FDS/S-23/			
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
22/08/2023	Date of Testing	23/08/2023		
Liquid SO3 & Oleum Tank.				
Acid Scrubber				
	UERL/AIR/D/SRF/08/S-012 UERL/AIR/D/ID/S-23/08/012 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Liquid SO3 & Oleum Tank.	UERL/AIR/D/SRF/08/S-012 Service Request Date UERL/AIR/D/ID/S-23/08/012 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Date of Testing Liquid SO3 & Oleum Tank.		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy SamplerSerial Number91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen°and Rese	arch Lahs Pvt Ltd 44

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MOTOR COLLEGE)				
UERL/23/08/AIL-2/S-013	Report Issue Date	05/09/2023		
UERL/AIR/D/SRF/08/S-013 Service Request Date 22/08/2023				
UERL/AIR/D/ID/S-23/08/013	UERL/AIR/D/ID/S-23/08/013 Field Data Sheet No. UERL/AIR/D/FDS/S-23/08			
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
22/08/2023	Date of Testing	23/08/2023		
SAC And TAR Plant.				
Alkali Spray Scrubber				
	UERL/23/08/AIL-2/S-013 UERL/AIR/D/SRF/08/S-013 UERL/AIR/D/ID/S-23/08/013 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 SAC And TAR Plant.	UERL/23/08/AIL-2/S-013 Report Issue Date UERL/AIR/D/SRF/08/S-013 Service Request Date UERL/AIR/D/ID/S-23/08/013 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Date of Testing SAC And TAR Plant.		

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

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

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 19

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



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GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/08/AIL-2/S-014	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-014	Service Request Date	22/08/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/08/014	UERL/AIR/D/ID/S-23/08/014 Field Data Sheet No.			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	22/08/2023 Date of Testing 23/08/2023			
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

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

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

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

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

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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

MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EPA-1986 (3) (03:3023 to 22:39:2024)

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

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

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018		
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 122
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	238.9

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7 **Note:** This report is subject to Terms and Conditions mentioned overleaf.



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Laboratory under the EFA-1986 (3) (03:2023 to 22:09:2024) Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MOTHER)					
Test Report No.	UERL/23/09/AIL-2/S-002	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-002 Service Request Date 22/09/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/09/002	UERL/AIR/D/ID/S-23/09/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/09/2023	Date of Testing	23/09/2023		
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1 Serial Number 126 DTG 2018				
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	WIOIIIIEII. € IU KESEAIC	I Labs PVI. Liu. 32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.0
7.	Exit Gas Flow	Nm³/h	235.8

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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TEST REPORT

(STACK MONITORING)

(STACK MISHINIS)					
Test Report No.	UERL/23/09/AIL-2/S-003	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-003 Service Request Date 22/09/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/09/003	UERL/AIR/D/ID/S-23/09/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
	M/s. AARTI INDUSRIES LTD. (I	UNIT-2 DIAMOND)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	22/09/2023	Date of Testing	23/09/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1 Serial Number 126 DTG 2018			
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	231.5

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.9	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9

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TEST REPORT

(STACK MONITORING)

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Test Report No.	UERL/23/09/AIL-2/S-004 Report Issue Date 05/10/2023		05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-004	UERL/AIR/D/SRF/09/S-004 Service Request Date 21/09/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/09/004	UERL/AIR/D/ID/S-23/09/004 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	21/09/2023	21/09/2023 Date of Testing 22/09/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No				
Instrument Name				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	32
3.	Flue Gas Temperature	Violine il ∘c id Keseaid	n Lads Pvt. Ltd. 346

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 10

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
Test Report No.	UERL/23/09/AIL-2/S-005	Report Issue Date	05/10/2023	
Service Request form No.	UERL/AIR/D/SRF/09/S-005 Service Request Date 21/09/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/09/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	21/09/2023	Date of Testing	22/09/2023	
Stack Sampling Attached to	to Scrubber Connected to The Tanks (Tank Farm 2)			
Air Pollution Control Device	Alkali Scrubber			

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01 Handy Sampler Serial Number 91-I-19			
Instrument Name				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	nvironmen ^o Cand Resea	rch Lahs Pvt Ltd 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) **: Limit Not Define in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)				
UERL/23/09/AIL-2/S-006	Report Issue Date	05/10/2023		
UERL/AIR/D/SRF/09/S-006 Service Request Date 21/09/2023				
UERL/AIR/D/ID/S-23/09/006	UERL/AIR/D/ID/S-23/09/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09/			
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
21/09/2023	Date of Testing	22/09/2023		
to Scrubber Connected to DCP. (S-3)				
e Alkali Scrubber				
	UERL/AIR/D/SRF/09/S-006 UERL/AIR/D/ID/S-23/09/006 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Scrubber Connected to DCP. (S	UERL/23/09/AIL-2/S-006 Report Issue Date UERL/AIR/D/SRF/09/S-006 Service Request Date UERL/AIR/D/ID/S-23/09/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Date of Testing Scrubber Connected to DCP. (S-3)		

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	ironment and Research	Lahs Pyt Ltd 50

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MOTOR CO.				
UERL/23/09/AIL-2/S-007	Report Issue Date	05/10/2023		
UERL/AIR/D/SRF/09/S-007	RL/AIR/D/SRF/09/S-007 Service Request Date 21/09/			
UERL/AIR/D/ID/S-23/09/007 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09				
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
21/09/2023 Date of Testing 22/09/2023				
DCP Plant: DCA Sulphate Vent. (S-11)				
Venturi Water Scrubber				
	UERL/AIR/D/SRF/09/S-007 UERL/AIR/D/ID/S-23/09/007 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 DCP Plant: DCA Sulphate Vent	UERL/AIR/D/SRF/09/S-007 Service Request Date UERL/AIR/D/ID/S-23/09/007 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Date of Testing DCP Plant: DCA Sulphate Vent. (S-11)		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy SamplerSerial Number91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	5.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.2	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit. 3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
UERL/23/09/AIL-2/S-008	Report Issue Date	05/10/2023		
UERL/AIR/D/SRF/09/S-008	ERL/AIR/D/SRF/09/S-008 Service Request Date 21/09/2023			
UERL/AIR/D/ID/S-23/09/008	UERL/AIR/D/ID/S-23/09/008 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09/			
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
21/09/2023	21/09/2023 Date of Testing 22/09/2023			
Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)				
Alkali Scrubber				
	UERL/23/09/AIL-2/S-008 UERL/AIR/D/SRF/09/S-008 UERL/AIR/D/ID/S-23/09/008 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Common Alkali Scrubber Conn	UERL/23/09/AIL-2/S-008 Report Issue Date UERL/AIR/D/SRF/09/S-008 Service Request Date UERL/AIR/D/ID/S-23/09/008 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Date of Testing Common Alkali Scrubber Connected to SO2 Tank Farm.		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	3.2	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
UERL/23/09/AIL-2/S-009	Report Issue Date	05/10/2023		
UERL/AIR/D/SRF/09/S-009	JERL/AIR/D/SRF/09/S-009 Service Request Date 21/09/2023			
UERL/AIR/D/ID/S-23/09/009	UERL/AIR/D/ID/S-23/09/009 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09/0			
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
21/09/2023	21/09/2023 Date of Testing 22/09/2023			
ached to DCA Plant Vacuum Pump Storage Tank. (S-7)				
Water Scrubber				
	UERL/23/09/AIL-2/S-009 UERL/AIR/D/SRF/09/S-009 UERL/AIR/D/ID/S-23/09/009 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 DCA Plant Vacuum Pump Store	UERL/23/09/AIL-2/S-009 Report Issue Date UERL/AIR/D/SRF/09/S-009 Service Request Date UERL/AIR/D/ID/S-23/09/009 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Date of Testing DCA Plant Vacuum Pump Storage Tank. (S-7)		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy SamplerSerial Number91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	3.6	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company ISO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

	(STACK MOIL		
Test Report No.	UERL/23/09/AIL-2/S-010	Report Issue Date	05/10/2023
Service Request form No.	est form No. UERL/AIR/D/SRF/09/S-010		21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/010	UERL/AIR/D/FDS/S-23/09/010	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	HNO3 Tank. (S-8) 3 Stage Lime Scrubber		
Air Pollution Control Devise			

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1 Serial Number 126 DTG 2018			
Calibration Date			20/06/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	vironmen°Cand Rese	arch Labs Pvt. Ltd. 42

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Email: response@uerl.in. Website: www.uerl.in

MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3.2023 to 22:07:2024;

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

	(STACK WOIL				
Test Report No.	UERL/23/09/AIL-2/S-011	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-011	L/AIR/D/SRF/09/S-011 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/09/011	UERL/AIR/D/ID/S-23/09/011 Field Data Sheet No.			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	21/09/2023	Date of Testing	22/09/2023		
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9) Alkali Scrubber				
Air Pollution Control Devise					

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler Serial Number 91-I-19					
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024			

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	nvironmen ^o Cand Resea	rch Lahs Pvt Ltd 52

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/09/AIL-2/S-012	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-012	UERL/AIR/D/SRF/09/S-012 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/09/012	UERL/AIR/D/ID/S-23/09/012 Field Data Sheet No.			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	21/09/2023	Date of Testing	22/09/2023		
Stack Sampling Attached to	Liquid SO3 & Oleum Tank.				
Air Pollution Control Devise	Acid Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy SamplerSerial Number91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	vironmen°and Rese	arch Labs Pvt Ltd. 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3-2023 to 22:39:2024;

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)			
Test Report No.	UERL/23/09/AIL-2/S-013	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-013	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/013	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/013
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023 Date of Testing 22/09/2023		22/09/2023
Stack Sampling Attached to	SAC And TAR Plant.		
Air Pollution Control Devise	Alkali Spray Scrubber		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 50

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 19

Note: This report is subject to Terms and Conditions mentioned overleaf.



MoEF&CC (GOI) Recognized Environmental QCI NASET According BA & CIV Loboratory under the EFA-1986 (3) J.3.2023 to 22:07:2024;

Consultant Organization

GPC8 Recognized Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)			
Test Report No.	UERL/23/09/AIL-2/S-014	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-014	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/014
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023 Date of Testing 22/09/2023		22/09/2023
Stack Sampling Attached to	Scrubber Connected to NSA (S-2)		
Air Pollution Control Devise	Alkali Scrubber		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironment and Research Labs Pvt.	Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)



भारत सरकार

Government of India वाणिज्य और उद्योग मंत्रालय Ministry of Commerce & Industry पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो) Petroleum & Explosives Safety Organisation (PESO) आंठवी मंजिल, यश कमल बिल्डींग, सयाजी गंज

वडोदरा- 390020 8th Floor, Yash Kamal Building, Sayajigunj, Vadodara - 390020

E-mail: dyccebaroda@explosives.gov.in

Phone/Fax No: 0265 - 2225159

दिनांक /Dated : **02/09/2022**

संख्यां /No. : P/WC/GJ/15/2712 (P423120)

सेवा में /To,

M/s. AARTI INDUSTRIES LIMITED,

PLOT NO. - Z-103/C, DAHEJ SEZ - (PART -2), ,

Dahej,

Taluka: Vagra, District: BHARUCH, State: Gujarat PIN: 392130

विषय Plot No, Z-103/C, DAHEJ SEZ -II, Dahej To Vagra Road, DAHEJ, Vagra, Taluka: Vagra, District: BHARUCH, /Sub: State: Gujarat, PIN: 392130 में स्थित पेट्रोलियम वर्ग A अधिष्ठापन - पेट्रोलियम नियम 2002 के अंतर्गत प्ररूप XV में जारी अनुज्ञप्ति सं P/WC/GJ/15/2712 (P423120) – संशोधन के संदर्भ में ।

Existing Petroleum Class A Installation at Plot No, Z-103/C, DAHEJ SEZ -II, Dahej To Vagra Road, DAHEJ, Vagra, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392130- Licence No. P/WC/GJ/15/2712 (P423120) - granted in form XV under Petroleum Rules 2002 - Amendment regarding

महोदय /Sir(s),

> कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या OIN1117305 दिनांक 23/08/2022 का संदर्भ ग्रहण करें। Reference to your letter No. OIN1117305 dated 23/08/2022 on the above subject.

दिनांक 31/12/2025 तक वैध अनुज्ञप्ति संख्या P/WC/GJ/15/2712 (P423120) दिनांक 02/09/2022 निम्नलिखित वर्ग एवं मात्राओं में पेट्रोलियम भंडारण के लिए यथा संशोधित कर इस पत्र के साथ लौटाई जा रही है ।

Licence No. P/WC/GJ/15/2712 (P423120) dated 02/09/2022 valid upto 31/12/2025 is returned herewith duly amended with respect to Capacity Amendment,

पेट्रोलियम का विवरण /Description of Petroleum	किलोलीटरों में अनुज्ञप्ति क्षमता /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A, in bulk	61.00 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B, in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C, in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C,otherwise than in bulk	NIL
कुल क्षमता /Total	61.00 KL

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

((गणेश आर.) (GANESH R.)) उप विस्फोटक नियंत्रक

Dy. Controller of Explosives कृते संयुक्त मुख्य विस्फोटक नियंत्रक For Jt. Chief Controller of Explosives वडोदरा/Vadodara

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : http://peso.gov.in देखें) (For more information regarding status, fees and other details please visit our website: http://peso.gov.in) Note:-This is system generated document does not require signature.

Disclaimer: This page gives the latest action taken by this organization on your application. This page is made available for the information of concerned applicant/licensee only. All efforts have been made to secure this information. However, PESO will not be responsible for any misuse of the information by unauthorized persons including the hackers.



Date: 14.07.2023

To, The Deputy Director, Industrial Safety and Health, 2nd Floor, Near Gayatri Nagar, Kanbivaga, Bahumali Building, Bharuch 392001.

Subject: Submission of documents as discussed during the meeting.

Respected Sir,

This is with reference to the discussion held on 01/07/2023 at Bharuch, Please find following documents as advised.

Sr. No.	Particulars	Status
1	Pressure Vessel testing of all vessels as per RULE61 of GFR 1963.	Total No.of Pressure Vessels : 46 Nos. Testing Completed : 46 Nos. Annexure A : Summary of Pressure Vessels
2	Third Party Safety Audit Report as per IS 14489:2018, Its Recommendations & Compliance.	A Third Party Safety audit was conducted on Sep. 22 and compliance report is attached as an Annexure B. Refer Annexure B. Compliance Report
3	Updated Onsite Emergency Plan	The Updated Onsite Emergency Plan is attached as on June-2023 Annexure C: On site Emergency Plan
4	Workplace area monitoring report , Form No-37	The workplace monitoring is being carried out on a weekly basis at key identified focations Annexure D: Workplace area monitoring record,
5	Medical Examination report as per targeted organs	Medical Examination is being conducted periodically. The list of tests are attached for your reference, Sample report is attached Annexure E1: Medical test Annexure E2: Sample PME Report. Annexure E3: CIH certificate of FMO.
6	Fire adequacy Study & Report	1. The Provisional Fire NOC was obtained from Bharuch Nagarpalika in Dec. 2019 attached as annexure F1. 2. Compliance Report as per GFR 1963 Rule 66A. 3. PO Copy of Fire Adequacy study is attached and work will be completed before 30.09.2023. PO NO: 4580511363 and 4580511622 Annexure F1: Fire NOC Annexure F2: Compliance report of Rule 66 A Annexure F3: PO copy for Fire Adequacy Study.
7	DISH circular compliance	The compliance to DISH circular is attached herewith. Annexure G1:Compliance report as per DISH circular Annexure G2:CO2 flooding system installation certificate

Thanking You,

For, Aarti Industries Limited,

Sandip Parekh (Authorized Signatory) મુનિયર ક્લાર્ક ઓલોગિક સવામતી અને સ્વાસ્થ

T: 022-67976666, F: 022-2565 3234 | E: info@aarti-industries.com

	Compliance of Risk Assessment Recommendations from EIA			
Sr. No.	Condition	Compliance		
A.	STORAGE DETAILS OF RAW MATERIALS			
i.	Recommendations for storage of Methanol			
1	Proper storage area shall be provided.	Complied, A separate area with well boundaries has been made for the storage of Methanol according to PESO guidelines.		
2	Eye wash station shall be provided	Complied. Unit has Provided Safety Sower within the storage yard boundary with easy access to that location.		
3	Chilling Water Circulation shall be provided.	Complied Chilling Water Circulation has been provided.		
4	PPEs shall be used	Complied All workmen use appropriate PPE during working time.		
5	Self-contained breathing apparatus shall be used	Complied. Adequate no. of SCBA available on site. SCBA training has been provided to all concerned workers and employees.		
6	PPEs like Splash goggles, Full suit, Vapor respirator or self contained breathing apparatus, Gloves etc., shall be used while handling this chemical	Complied All workers and Employees use appropriate tested PPEs at the time of chemical handling.		
B.	STORAGE AND HANDL	ING OF SOLID CHEMICALS		
i.	Handling Chemical Bags			
1	PPEs like suitable protective clothing, gloves, face shield, dust and splash proof safety goggles, chemically resistant safety shoes, etc. shall be used	Complied All workers and Employees are compulsorily using appropriate tested PPE during chemical handling time.		
2	Standard Approved respirator shall be used.	Complied. Standard approved dust respirators are used.		

	Evowach station and safety showers shall be	Complied.	
3	Eyewash station and safety showers shall be made available	Plant wise ,Floor wise installed safety shower and eye wash station i.e Dyphoterine kits boxes.	
	Don't was the in a shall be a said but	Complied.	
4	Dust monitoring shall be carried out periodically	Dust monitoring is being carried out monthly by a third party.	
ii.	Cleaning of Chemical Spillage.		
1	Certified Dust respirator shall be used	Complied. ISI certified dust mask is provided to all workers and employees who are working at a dusty workplace. Form 37 (Workplace Monitoring) attached in Annexure 11.	
		Complied.	
2	PPEs shall be used.	All workmen use appropriate PPEs during working time.	
	Chemicals will be stored in isolated storage	Complied.	
3	rooms having provision for natural & forced ventilation.	Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.	
		Complied.	
4	Spillage shall be cleaned or neutralized with suitable media	Spillages will be cleaned/neutralized with suitable media when required.	
		Complied.	
5	Fire fighting facilities shall be made available near storage locations, if required	Near the storage yard, Portable fire extinguishers stand, Fire bucket stands, Fire Hydrant Systems, Fire Manual call points, Fire alarm etc has been provided.	
	Additional Recommendations		
		Complied.	
1	Operators/Workers to be trained for Safe Work Practices	Safety training is provided periodically for Safe Work Practices and job SOP is given to all employees.	
		Complied.	
2	Chemical handling bags & dusty area to be labeled properly for each chemicals.	Chemical bags and dusted areas are labeled properly for each chemical.	

C.	STORAGE AND HANDI	LING OF SULPHURIC ACID	
i.	Sulphuric Acid Loading & Unloading.		
1	Loading & Unloading activity shall be carried out in well ventilated area.	Complied. Loading & Unloading it is done in open area.	
2	Neutralization media shall be made available in areas where acid is stored/handled/used.	Complied. Caustic available for neutralization where sulphuric acid is stored/handled/used.	
3	PPEs will be used.	Complied. PPEs are used.	
ii.	Working in Storage Area		
1	Storage area shall be well ventilated	Complied. Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.	
2	Neutralization shall be done immediately with soda ash/lime or spill shall be absorbed in sand or by suitable adsorbent	Complied. Caustic is available for neutralization in case of spill	
3	PPEs like face mask, gloves etc. shall be worn by concerned person	Complied. PPEs are compulsory to be worn by all employees during work and before issuing work permits.	
4	Floors shall be made of acid proof tiles	Complied. Unit has provided acid proof tiles for the storage area.	
iii.	Tank overflow/leakage from joints etc		
1	Same as Above.	Complied. Dyke walls have been provided to restrict overflow of chemicals from storage tanks in the tank farm area. Photograph of dyke wall attached is given in point No. 77 in EC Compliance report.	
	Additional Recommendations		
1	Work Instruction for checking tank level to be prepared and followed.	Complied. Work Instructions for checking tank level have been prepared and followed.	
D.	STORAGE AND H	ANDLING OF DRUMS	

i	Drums Unloading from Truck by forklift.			
1	Truck shall be inspected properly before unloading the barrels.	Complied. Trucks are inspected properly before unloading the barrels.		
2	Spill containment kit shall be made available to contain the leaking barrel.	Complied. Spill containment kit is available to contain the leaking barrels.		
3	Hot work or source of ignition shall be avoided near the unloading area.	Complied Process plant and unloading area are restricted for doing hot work and kept away from all types of ignition sources.		
4	Fire extinguishers to be kept available.	Complied. All floors of the plant are designed and provided with fire fighting equipment like fire extinguishers, hydrant post, hose reels, Hose boxes, fire MCP points, Fire alarm system etc.		
5	Appropriate PPEs like Safety Goggles, Butyl or Nitrile rubber gloves, gumboot, plastic apron etc shall be used.	Complied. Unit has provided appropriate PPEs like Safety Goggles, Butyl or Nitrile rubber gloves, gumboot, plastic apron etc		
	Additional Recommendations			
1	SOPs to be prepared and followed.	Complied. All SOPs are prepared and followed.		
2	Foam type fire extinguisher to be provided in nearby location.	Complied. Mechanical Foam type fire extinguishers with trolley mounted has been provided near storage tank farms and the process plant.		
3	Fire monitor with provision of connection of foam to be provided.	Complied. Fire monitor connected to a foam trolley has been provided near the storage tank farm and PESO tank area.		
ii.	Transfer of chemicals from drums to plant/reactor			

	Cleaning of amount during	PPEs are used.
iv.	Cleaning of empty drums	
1	PPEs like face mask	Complied.
		PPEs like face mask are used.
E.		TIONS BASED ON CONSEQUENCE
		ALYSIS
	Recommendations	
		Complied.
1	Evacuation routes shall be planned such that alternate route is available from any corner in more than one direction	Plant consists of two main roads accordingly from two gates and are inter crossing with three roads across the plant.Inside of plant premises, two assembly points have been made One near Main gate security and Another is near COP area.
2	Extra precautions to be taken in unloading of flammable/toxic chemicals. The details of precautions during storage handling and transportation of chemicals have been given in separate paragraph.	Complied. During the unloading of the methanol PESO tank is blanketed with nitrogen and through a 3 way breathed valve its vent through a flame arrestor.
3	Firefighting arrangements shall be provided as per the guidelines of OISD	Complied. Fire fighting systems installed and designed in the plant as per the NFPA and OISD guideline.
L		0 "
4	Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. to be adopted for the safe operation of plant at appropriate stage.	Complied. Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. have been adopted for the safe operation of plant at appropriate stage.
	HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. to be adopted for the safe operation of plant at appropriate stage.	Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. have been adopted for the safe operation of
4 F.	HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. to be adopted for the safe operation of plant at appropriate stage. PROPOSED SAFETY/CONTROL N	Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. have been adopted for the safe operation of plant at appropriate stage.

		Complied.
1	Training will be provided to driver and cleaner regarding the safe driving, hazards of Flammable chemicals, emergency handling, and use of SCBA sets.	All entry vehicles with driver and helper have to make temporary gate passes and within the procedure ,their health check up is done by OHC & training induction is given regarding the safe driving, hazardous chemical handling and how to handle an emergency situation.
		Complied.
2	TREM card & SCBA set will be kept with TL.	As per GPCB & our check list of transporting vehicles, It's mandatory to keep a TREM CARD. The driver is provided with SCBA when required.
		Complied.
3	Fire extinguishers will be kept with TL.	Portable fire extinguishers are compulsory to be kept in the truck or tanker carrying the hazardous chemicals
		Complied.
4	Flame arrestor will be provided to TL exhaust.	Flame arrestors have been kept at the main gate and are installed on the exhausts of all vehicles entering the company premises.
		Complied.
5	Instructions will be given not to stop the truck in populated area.	As per the TREM CARD instructions, It is strictly prohibited to stop the vehicle in a populated area.
		Complied.
6	Hazard Identification symbol and emergency telephone number will be displayed as per HAZCHEM CODE.	In the EIP panel, it is mandatory to put the Hazard identification symbol ,Hazchem code. In the TREM card, emergency telephone numbers to be contacted during the emergency situation are mentioned.
		Complied.
7	Appropriate PPEs will be kept with TL	Appropriate, tested and effective PPEs are mandatory to be kept available and are used.
	In case of leak or spill:	
		Complied.
1	Area & Container will be isolated.	In case of a leak or spill, the Operation team immediately takes action on it. Area of spillage is isolated from the work zone and containers are also kept separately.

In case of a leak spill, the operation & safety team first takes action to identify the source of leakage and immediately stop the leak or spill as per the SOP.	
otective clothing is ged containers or spilled	
thout risks if possible.	
vay from any spilled	
is immediately entering site and is not kept he main road.	
License, TREM CARD, n; SCBA set condition, Es as per SOP laid down.	
ed checks is done & after loading procedure is	
d to TL at unloading	
ollowed according to	

3		Complied	
3	Only day time unloading will be permitted.	Only day time unloading is permitted.	
iii.	Chemical Storage Area safety.		
1	All storage areas shall be isolated from all sources of open flame and well posted with "Hazardous Chemical Storage", "No	Complied. All storage areas are isolated from all sources of open flame.	
	Smoking", "Hot work Restricted" signs.	Signs such as "Hazardous Chemical Storage", "No Smoking", "Hot work Restricted" are posted at all storage areas.	
		Complied.	
2	Spark-resistant tools will be used.	Spark-resistant tools such as spark arrestors and FLP equipment are used.	
		Complied.	
3	Pipes and equipment shall be inspected at regular intervals.	Pipes and equipment are inspected at regular intervals.	
4	Water spray shall be used to reduce vapors (by taking care that water is not directed straight away on leak, spill area or inside	Complied	
	container).	Water spray is used to reduce vapors.	
		Complied.	
5	Combustibles (wood, paper, oil, etc.) shall be kept away from spilled material.	Unit has ensured that combustibles (wood, paper, oil, etc.) are kept away from spilled material.	
		Complied	
6	MS or HDPE storage drums will be provided as per good engineering practices.	Unit has ensured that MS or HDPE storage drums are provided.	
7	Storage area will be provided with adequate fire fighting/extinguishing system, Fire hydrant monitor with foam attachment facility, etc.	Complied Storage area has been provided with adequate fire fighting/extinguishing system, fire hydrant monitor with foam attachment facility, etc.	
		Complied.	
8	Sand Buckets will be made available.	Sand Buckets are available.	

9		Complied.	
	Workers and Operators handling such materials shall be trained for the hazards (fire/explosion, health, chemical reactivity, etc.) & safety measures associated with them.	Workers and Operators handling such materials are trained for the hazards (fire/explosion, health, chemical reactivity, etc.) & safety measures associated with them.	
40		Complied.	
10	Area shall be inspected on regular basis.	Area is inspected on regular basis.	
		Complied	
11	NFPA label (hazard identification) along with capacity of chemical will be displayed on respective drums.	NFPA label (hazard identification) along with capacity of chemical is displayed on respective drums	
		Complied	
12	Dumping /Drain vessel/alternate vessel will be provided to collect the spillage material. Spillage Kit shall be made available.	Dumping /Drain vessel/alternate vessel has been provided to collect the spillage material.	
40		Complied.	
13	FLP type pump & electric fittings will be provided, where applicable.	FLP type pump & electric fittings are provided.	
		Complied	
14	Earthing will be provided to related drums and process vessels, as per the requirement.	Earthing has been provided to related drums and process vessels.	
	Double Jumper elip chall be provided to all	Complied.	
15	solvent handling pipeline flanges, if applicable.	Double Jumper clips are provided to all solvent handling pipeline flanges, if applicable.	
iv.	Chemical transfer from storage area to Pro-	cess Plant.	
]	Double mechanical seal type FLD type nump	Complied.	
	shall be provided.	Double mechanical seal type FLP type pump has	
1		been provided.	
1		been provided. Complied	
2	Double on / off switch shall be provided, if needed. Flame arrestor shall be provided, wherever required.		
	needed. Flame arrestor shall be provided,	Complied Double on / off switch has been provided, when needed. Flame arrestor is provided, wherever	
	applicable. Chemical transfer from storage area to Proposition Double mechanical seal type FLP type pump	Double Jumper clips are provided to all solvent handling pipeline flanges, if applicable. cess Plant. Complied. Double mechanical seal type FLP type pump has	

		Complied.
4	· · · · ·	Double Jumper clip shall be provided to all solvent handling pipelines.



Agreement between of Baroda Heart Multispeciality Hospital, Bharuch & Aarti Industries Limited, Dahej (Zone III)

This agreement is between Baroda Heart Multispeciality Hospital, Bharuch and Aarti Industries Limited, Dahej (Zone III) on 1st September 2019.

Terms and condition of the agreement is as below:

- Hospital hereby undertakes to extend its services (OPD/IPD/emergency/medical & surgical treatment including Laboratory investigations & pharmacy expanses) on credit basis to the persons designated by Aarti Industries Limited, Dahej (Zone III)
- Prior to sending patient at hospital company personal will telephonically communicate with concern person of the hospital (Details are attached).
- Patient shall show ID card at the hospital provided by Aarti Industries Limited at the time of admission or consultation. Company HR department or Factory Medical Officer will communicate through mail for treatment on credit basis within 24 hours in case of admission.
- The company will make the payment within twenty five working days after the discharge of the patients. (Scan copy of the bill will be e-mailed to company immediately on discharge & Hard copy of the bill will be couriered at your plant)

Following are the authorized person to call in case of seeking medical services:

Aarti Industries Limited, Dahei (Zone III):

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industies.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas Gauray	Zone Safety Head	9099005387	vilas gaurav@aarti-industries.com
5	Mr. Atul Dave	Sr. Manager - Safety	9898997921	atul.dave@aarti-industries.com
6	Dr. Sanjay Hansoti	Factory Medical officer	9904706759	sanjay.hansoti@aarti-industries.com



Baroda Heart Hospital, Bharuch:

Sr No	Name	Designation	Contact No	Email ID.
1	Mr. Meet Shah	Business Development Officer	9727746344	mkt-bhmsh@bhirc.com
2	Mr. Ajay Secretary	Unit Head	Prince of the second	unithead-bhmsh@bhirc.com
3	Ms. Mayuri Rana	Operation Manager	7405411258	Operations-bhmsh@bhirc.com

Secretur ame & Sign of authorized Signatory Name & Sign of authorized Signatory Baroda Heart Multispeciality Hospital, Bharuch Aarti Industries Limited Dahej

Date:

Place:



Agreement between of Sunshine Global Hospitals, Bharuch & Aarti Industries Limited, Dahej (Zone III)

This agreement is between Sunshine Global Hospitals, Bharuch and Aarti Industries Limited, Dahej (Zone III) on 1st September 2019.

Terms and condition of the agreement is as below:

- Hospital hereby undertakes to extend its services (OPD/IPD/emergency/medical & surgical treatment including Laboratory investigations & pharmacy expanses) on credit basis to the persons designated by Aarti Industries Limited, Dahej (Zone III).
- Prior to sending patient at hospital company personal will telephonically communicate with concern person of the hospital (Details are attached).
- Patient shall show ID card at the hospital provided by Aarti Industries Limited at the time of admission or consultation. Company HR department or Factory Medical Officer will communicate through mail for treatment on credit basis within 24 hours in case of admission.
- The company will make the payment within twenty five working days after the discharge of the patients. (Scan copy of the bill will be e-mailed to company immediately on discharge & Hard copy of the bill will be couriered at your plant)

Following are the authorized person to call in case of seeking medical services:

Aarti Industries Limited, Dahei (Zone III):

Sr No	Name	Designation	Contact No	Email 1D
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industies.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas Gaurav	Zone Safety Head	9099005387	vilas.gaurav@aarti-industries.com
5	Mr. Atul Dave	Sr. Manager - Safety	9898997921	atul.dave@aarti-industries.com
6	Dr. Sanjay Hansoti	Factory Medical officer	9904706759	sanjay.hansoti@aarti-industries.com



Sunshine Global Hospital, Bharuch:

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Jayesh Gohil	Business Development	8980006817	marketing.bharuch@sunshine globalhospitals.com
2	Mr. Ravi Patel	Head Operation & Marketing	8758780000	ravi.patel@sunshineglobalhospitals.com

fort cure	Constant of the second
Name & Sign of authorized Signatory	Name & Sign of authorized Signatory
Aarti Industries Limited, Dahej	Sunshine Global Hospital, Bharuch

Date:

Place:



S R Healthcare Services

Medical Certificate of Fitness

Date: 10/04/2023

We hereby certify that we have carefully examined Mr. Manojkumar Kharva

Age 24Yrs/ Male and find that he is not suffering from any illness and is Fit to

continue duties in your organization. We also certify that before arriving at this

decision, we have examined all the original medical records of his.

Pre- employment Medical health Check-up

Sign of Consultant:

DR. DEYKUMAR VARMA

M.B. (PAVH), MBBS, CIH

OCCUPATIONAL HEALTH CONSULTANT

REG. NO.: 6-11075

Stamp of Consultant:

MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name:

MANUJICUMAIL

KHARVA

Age: 24

Sex: MALE

Present Medical Illness: NaL

Past Medical History

APPENDIX

OPERATED

Dietary Habits

mix

Addiction History

NIL

Family Medical History:

NIL

Occupational History :

NIL

Height: 169 cms

Weight: 51.4 Kgs

BMI: 18-0 Kg/m2

BP:120 /+ 0 mmHg

PR: P9 /min

Sp02:98 %

General Examination

CNS: WELL ORZENTED CVS: 51852 HEARD

& CONSZOUS.

NORMAL

RS : BIL HILL ENTILY PA :

NOILMAL.

NOKMAL.

Trismus Test:

Visual Acuity	Left Eye	Right Eye
Near Vision	716	N16
Far Vision	616	6)6
Colour Vision	NAD	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS

6. Blood Group

7. RBS 8. LFT 9. RFT 10. Urine R&M

11. G6PD

12. HBsAg

I have personally examined Mr/Ms Managarand have found his/her reports to be authentic. Kharva

Date: 10 10412 023 Signature of Medical Officer

Place: BHALUCH.

DR. DEVKUMAR VARMA M.D. (PATH), MBBS; CIH OCCUPATIONAL HEALTH CORSULTANT REG. MO .: G-11075

Medical Examination Certificate for employment at AIL (To be issued by General Physician or Industrial Physician Only)

Name :	MUNICON ILUMBIL KHAILVA
Age / Sex :	241 MALE

NIL
PAREMOSX OLEKWLED
m=×
NIL
NIL
NIL

SWW.545000.					
Height;	169 Cm	Weight:	51.4 Kgs	BMI:	19-0 Kg/m2

Temperature :	F	Pulse Rate :	89 /min
Blood Pressure :	120170 mm Hg	SpO2:	98 %

Trismus Test	

General Examination	Noumal
Central Nervous System	NOILMAL
Ear/Nose/Throat	NOKMBL
Cardiovascular System	Normal
Respiratory System	NORMAL
Gastrointestinal System	Noilmal
Integumentary System	NOILMAL
Musculoskeletal System	NORMAL.

	Right Eye	Left Eye
Far Vision	616	616
Near Vision	N16	77)6
Colour vision	IVAD	

The	e following	investigatio	n reports	are verified	d and attache	ed (Kindly	tick)
CBC+PS	5600	Bld group	ATE	RBS	89.0	LFT	22115
RFT	1.2	G6PD	12.0	HBsAg	REGETIVE	Ur R&M	24 0 2 mod
PFT	Marmy	PTA		ECG	WNL	CXR	Nome

I have personally examined Mr/Ms. Mana 16 unar 16 urva and have verified his/her reports to be authentic.

Remarks (If any):

	DR. DEVKUMAR VARMA
Name of Physician	M.D. (PATH), MBBS, CIM GCCUPATIONAL REALTH CONSULTANT
Stamp	REG. NO. 6-11075
Date	20)04)2023
Place	Bhazven.



Aarti Industries Limited

Self Declaration of Medical History

Name:	MANOJKUMAR KHARVA	1. 1.	-	
Agency Name:	MANOJKUMAR KHARVA.	Age/Sex:	24	MALE
AL AL STATE		Function:		1 dine
Division Name:		Emp. code/ Gate pass No:		

00	You dave an	ry of the following health problems?	Yes	No	Remark
1	Mak / Janes	If Yes, specify in remark coloum		_	303100
2		lood pressure		1/	
*		ellitus (Blood Sugar Problem)		1	-
3				V	
4	Respiratory	related problems - Asthma/Shortness of breath/Chronic cough etc.	-		
5	tenanna sys	tern related problems - Convulsion/Fits/Paralysis/Policy etc		V	
6	Liver/Galf Bt	adder related problems like jaundice /Hepatitis/Gall stones etc.	-	1	
7	stool/irregul	term related problems - Peptic ulcer/bloody vomiting or ar bowel habits etc.		1	
8	Kidney relate	ed problems - Renal stones/Blood in urine etc	-	-	
9	Blood related anemia/That	problems - Anemia/Low platelet count/Sirkle coll		-	
to	Any endocrin	e related disorder like thyroid conditions etc	-		
11	Musculoskele	rtal disorders - Backache/Limb deformity/disc problem/joints		~	
	becomen etc		4	V	
12	Eye related p	roblems - Refractive errors/colour blindness/squint/cataract etc.		1	-
13	no you wear	any contact lenses?	-	1	
14	far related pr	oblems - Ear discharge/hearing loss/tinnities etc.	-	10	
15	Skin related p	roblems - Rashes/psoriasis/scars etc.	-	IV	
16	Are you suffer 8 /Leprosy etc	ring from any communicable diseases? Tubes of the business of the second		1	
17	Mental Health	related problem	-		
18	Any Altergy - 0	Orug/Food/Other		V	
19	Vertigo / Gidd		-	V	
(0)	Phobia (Fear o	f hight or closed places/darkness)		V	
1	Ankle swelling	/Hernia / Hydrocele/Abdominal swelling etc		V	
2	Any history of	hospitalisation in past?		1	
3		past surgeries?	V		Contract Contract
4		Habit - Drug/Alcohol/Tobbaco/Smoking?	V		hyrendix
5	Any history of	long term medications? OR currently taking any medication?	-	-	1
5	Any history of	occupational injuries/illness in past?		-	
7	Any past histor	y of cyanosis? (Bluish discolouration of tongue/lips/nails)		~	
2	Family History Anthma/cancer	of Diabetes/Hypertension/Heart Act and Atlantal disease	-	~	
N	3/2/3/	Last Menstrual Period	-	V	
1	For Female	Any gynaecological disorder?	+	-	
1	Any present cor			-	
-	tional Remark			-	

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true. For non-routine work only: I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 10/4/23 Place: Bhyruch

Melen

Sign/Left thumb Impression of candidate

	0		आरती इंडस्ट्रीज लि	मिटेड				
Ī		मेडिकल वि	हेस्ट्री की स्व घोषणा		=	-		
-TA	T:	MANULLUMAR	The state of the s	उम और प्र	iter -		(Table 5) ()	
rá.	शी का गाम :	THEOLOGIAN	In the section	चंत्रधात:		24	Mali	-
100	ज़िन <i>्</i>			एम्प्सोबी गेट पास न	55			
क्या	अपको निम्नति	केत स्वास्थ्य समस्या है ?		T	ď	नहीं	(2cquft	
	77		यदि हाँ, तो जिस्तार में बता दे		-	-	1 20	
1	वाड प्रेक्षर की बी	मारी (रक्तचार)	31.			1		
2	अविदेश - भूग	तर की बीजारी (सायुक्तीह)				1		-
3	इदव से जुड़ी हुई	समस्या - प्रस्ती में दर्द /हार्ट एटेक/अञ्चातात	इदय की बीमारी विशेष		_	5		
4	CONTRACTOR OF THE PARTY OF THE	मस्थारं - अश्यमा / स्रांस की तकतीच / उपा				V		
5		त समयया (निर्मी - सीच अल्ल, लकवा होता, प	the selected second as it is the fact of the fact of			1		
4		से सर्वाधित समस्या जैसे पीसिया / हेपेटाइस्ट्रि				V		-
7		चित अमरकः - पेट मै छाते / उसटी वा संद्रात	Annual and the second s			~		1
ĸ		मर-था - यूरिन में जलन / पंचरी का दर्द /यूरिन	at he before the best of the best of the second of the sec			1		
9		रपाएं -हीमोरस्वेबिन की कमी / ट्राक कनिका				V		
10	धानराइड (खेगा)	लोइटर) जैसी कोई अंत: साथी समस्या				1		-
11	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	विकृति / रेंद्र की हत्ती / तिरक की समस्या / :	जोड़ों की समस्या विशेष्ट			V	-	-
12	offst nextfor	लगरना - लजर की कमजोरी / रंग पहुंचानजे :				V		1
1)	स्या अस्य करिन्द्रेश	स्ट लेस पहनते हो ?						-
14	-	र समस्या - कान में पाक्यप्यक्त होन्छ / कही से र	हमाई न देल / शिक्षेर			1		\dashv
15		रामस्या - त्यास घकाते होना / स्वेदियासिस / य				1		\dashv
16		लंब-मित रोग से पीडित हो २ - क्षाय रोग / एच ३				~		1
17	मानशिक दीमारी	B						\dashv
18	भिगीदवर्दे/का	ना / या अन्य कोई चीज की अनेजी				1		+
19	4447,356				-			\dashv
20	अपने से इर तक	ना / ऑपरे से डर अगना विमेरे				1		+
15	पैर में सुजन / ही	तेया / हीड्रोसिस / पेट में पानी सदला विनेरे				-		\dashv
22	The second second second	स्पताल में भर्ती हुए हो ?		1	-			+
23	कामी कोई ओपरेर	ल / सजीरी हुआ है ?		1	_		Bytene	TI.
24	किसी मी लगोजी	दवा / शराब / लंबाक् का शेवन /पूमपान		-		10	THE INDIVIDUAL	1
25	क्या आपने लम्बे	रामय तक कोई दयहाया खाई है ? या वर्तमा	र में कोई दवा से रहा है?			1		+
246	A COUNTY AND DESCRIPTION OF THE PARTY OF	कोई व्यवसाय सम्बंधित चंट / बीमारी हुई है	ACCURATION AND ADDRESS OF THE PARTY OF THE P			V		+
27		हीत पर नारकुतो में मीलायन हुआ है ?				1	S	+
28	क्या आपक्षे प्रशिक्ष	र से निन्हीं की रकतवाय/गुमर की बीमारी /हर	्रीस्था अधिकार (कडीर डे					+

में प्रमाणित करता हूँ की मीर द्वारा दिया मध्य उपर्युक्त विवरण मेरी जानकारी और विश्वास के अनुसार गरी और पूर्व है। केवल नोंग स्टीम करम के लिये। में इस बात की घोषणा करता हूं कि मैं कंपनी नीति के उस्तवान में रासायनिक प्रक्रिया शांधे में बाम नहीं करेगा।

Rose 10/4/23

दस्य / केंसर हे २

50 हाल में कोई समस्या / बीमारी है ?

29 महिलाओं के लिए

अतिरिक्त टिप्पणी

भावरी मासिक की लारीख

र है रोग संबंधी समस्या

28

ज्यक्ति के हरलाशर या बाएं अंगुठे का निशान

FORM NO. 33

(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

1.	Serial number in the register of adult workers	*
2.	Name of the person examined	: MANOJ KUMAL KHAILVA
3.	Father's Name	: IZAMESH BHAI KHAILVA
4.	Sex	mare
5.	Residence	: BNBND
6.	Date of birth, if available	: 0312212999
7.	Name & address of the factory	
7. 8.	The worker is employed/proposed	
	(a) Hazardous process	\$ 1.00 pt
	(b) Dangerous operation	3

In my opinion he/she is fit for employment in the Said manufacturing process/operation.

Signature or left hand thumb Impression of the person examined: Signature of the Factory Medical Officer

M.D. (PATH), MBBS, CIH OCCUPATIONAL HEALTH CONSULTANT REG. NO. G. 11075

Stamp of factory Medical Officer with

Name of the Factory:







		TEST REPORT	
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	2

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method	1	
Haemoglobin	14.0	gm%	13.0 - 17.0	Non Cyar	nide Oxy F	lemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method	l	
RBC Count	5.2	mill./c.mm	4.5 - 5.5	Electrical	Impedan	ce
PCV	48.8	%	40 - 50	Cumulati	ve Pulse H	leight
MCV	99.6	fL	83 - 101	Derived F	rom RBC	Histogram
MCH	28.5	pg	27 - 32	Calculate	d	•
MCHC	33.5	%	31.5 - 34.5	Calculate	d	
RDW	13.0	96	11.6 - 14.0	Derived F	rom RBC	Histogram
Total WBC Count	5600	/c.mm	4000 - 10000	Electrical	Impedan	ce
Differential Count	[%]	Unit	Biological Ref. Interval	[Abs.]	Unit B	iological Ref. Interval
(Flowcytometry /MICROSO	OPY)					
Polymorphs	65	96	40 - 80	3640	/c.mm	2000 - 7000
Lymphocytes	25	%	20 - 40	1400	/c.mm	1000 - 3000
Monocytes	08	96	2 - 10	448	/c.mm	200 - 1000
Eosinophils	02	96	1-6	112	/c.mm	00 - 500
Basophils	00	%	0-2	0	/c.mm	00 - 100
Neutrophil to	2.6	%	0.78 - 3.53	Calculate	d	
Lymphocyte Ratio (N	C-00000000	172	52000000000000000000000000000000000000		7 10	
Platelet Count	236000	/c.mm	150000 - 410000		Impedan	
ESR	05	100 100 100 100 100	nm	Modified	westergr	en method
REFERENCES			ie & Lewis (12th Edition). f Infancy and Childhood(7th Edition,2)	009).		

* Bold Indicates Abnormal Values This is an electronically authenticated report. Approved by: Dr. Dev Varma M.D. (Pathologist) Reg. No. G-2489

AKSHAWASHWE PATEL

DR.DREBEVAGARMA 8.Sc. DMSE DMLT Director Security & Sounder

DRENNTESESPATEUTEL

- End Of Report







INCOMPRES	
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1300 経業系統開	888

TEST REPORT

Name	: Manojkumar		Age	: (24Y)
Ref. By	: C/o Srh		Sex	: Male
Reg.Date	: 10/04/2023 10:51		Reg.No.	: 2301000817
Account	: LAB	12	Mobile No.	

BLOOD CHEMISTRY

(Specimen: SERUM)

		1-1	beenings sement	
Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.0	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.8	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.3	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.5	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	22.5	U/L	0 - 40	IFCC
S.G.O.T. (AST)	15.6	U/L	0 - 40	IFCC
Alkaline Phosphatase	65.0	U/L	35 - 105	AMP
Random Plasma Glucose	89.0	mg/dL	70 - 140	GOD POD METHOD

- End Of Report

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist)

Reg. No. G-2489







	III	TEST REPORT	
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	1

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	1.2	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	33.0	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	15.4	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	12.8	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).

(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report --

* Bold Indicates Abnormal Values
This is an electronically authenticated report.







2301000	W	TEST REPORT	
Name	: Manojkumar	Age	; (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	\$

SERUM CHOLINESTERASE ESTIMATION

(Specimen: Serum)

Investigation	Result	Unit	Biological Reference Interval	Method	
Cholinesterase	5556.0	U/ml	4250 - 12000	Dri-chemistry	

Comments:

- Cholinesterase is also called pseudocholinesterase.
- The main indicators for measuring pseudocholinesterase are:
 - Monitoring exposure to cholinesterase inhibitors
 - · As a liver function test
 - Diagnosis of genetic variants.
- The most important use of cholinesterase is to measure the exposure to organophosphorus compounds like organophosphate insecticide which are irreversible inhibitors of both pseudocholinesterase and acetylcholinesterase.
- For individuals working in industries manufacturing organophosphate insecticides, a baseline measurement is recommended. A decrease of 40% from baseline produces symptoms and a decrease of 80% from baseline leads to severe symptoms.
- Pseudocholinesterase reflects acute toxicity while acetyl cholinesterase (true cholinesterase) reflects chronic exposure

Decreased levels:

- Organophosphate poisoning .
- Liver diseases like Acute hepatitis, Cirrhosis & Metastatic carcinoma to liver.
- Malnutrition

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).

(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

Bold Indicates Abnormal Values
 This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist) Reg. No. G-2489

B.Sc. ONLI DMLI

M.D. Soffplogy

DE NITESA MATECEL MP MESERSESS







23010008	ļļļ	TEST REPORT	
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method	
G6PD Quntitative	12.0	U/g Hb	6.4 - 22.0	UV Kinetic	

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc..
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

- End Of Report

* Bold Indicates Abnormal Values

This is an electronically authenticated report.

Approved by: Dr. Dev Varma

M.D. (Pathologist)

Reg. No. G-2489







23010008	(I)	TEST REPORT	
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	2301000817
Account	: LAB	Mobile No. *	\$

SEROLOGY EXAMINATION

(Specimen: SERUM)

		(3	peciment Scholing	
Investigation	Result L	Jnit	Biological Reference Interval	
HBsAg Qualitative	Non- Reactive		Non -Reactive	
· 5		F	nd Of Report	

* Bold Indicates Abnormal Values
This is an electronically authenticated report.







		TEST REPORT			
Name	: Manojkumar		Age	: (24Y)	
Ref. By	: C/o Srh		Sex	: Male	
Reg.Date	: 10/04/2023 10:51		Reg.No.	: 2301000817	
Account	: LAB		Mobile No.	1	

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)
Method : (Microscopic Examination)

Normochromic Normocytic.	
Appear normal.	
Adequate & Normal.	
Not Detected	
End Of Banant	
	Appear normal. Adequate & Normal.

* Bold Indicates Abnormal Values
This is an electronically authenticated report.







		TEST REPORT	
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	*

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Method Investigation Result "A" **ABO TYPE** Forward Grouping By Column Agglutination RH TYPE POSITIVE REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition). ----- End Of Report --

* Bold Indicates Abnormal Values This is an electronically authenticated report.







		TEST REF	PORT	
Name	: Manojkumar		Age	: (24Y)
Ref. By	: C/o Srh		Sex	: Male
Reg.Date	: 10/04/2023 10:51		Reg.No.	: 2301000817
Account	: LAB	1	Mobile No.	188

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.)

Investigation	Result	Biolo	ogical Ref. Interval	Method
PHYSICAL EXAMINATION			-	
Colour	Pale Yellow	Pale	Yellow	
Transparency	Clear	Clean		
CHEMICAL EXAMINATION				(Automated Strip test)
Specific Gravity	1.015	1.00	5 - 1.025	
Reaction (pH)	6.0	4.5 -	8.0	
Sugar	Absent	Abse	nt	
Acetone	Absent	Nega	itive	
Proteins	Absent	Abse	nt	
Bilirubin	Absent	Nega	itive	
UroBilinogen	Absent	Nega	tive	
Leukocyte Estarase	Absent	Nega	itive	
Nitrite	Absent	Nega	itive	
Blood	Absent	Nega	itive	
MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref.Interval	Method (Microscopy)
Pus Cells	1-2	/HPF	Absent	
Red Cells	NIL	/HPF	Absent	
Epithelial Cells	3-4	/HPF	Absent	

AKSHAYARSHRY PATEL B.Sc. DMLI Director & Founder Director & Founder

DR. DE DYA PARMA M.D. Patacogy Reg. No. G. 24509









		TEST REP	PORT	
Name	: Manojkumar		Age	: (24Y)
Ref. By	: C/o Srh		Sex	: Male
Reg.Date	: 10/04/2023 10:51		Reg.No.	: 2301000817
Account	: LAB	14	Mobile No.	318

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

The state of the s	MANOIKUMAR Male 24Years	PR : 92 ms PR : 139 ms ORS : 68 ms OT/OTe : 337/401 ms P/ORST : 78/78/65 ° RV5/SV1 : 2.289/2.238 mV	Sinus Arrhythmia Suspect Inferior Myocardial Infarction? Left Ventricular Hypertrophy ST Elevation(II,III,aVF,V4,V5,V6)	ertrophy F,V4,V5,V6)	2	
		the standard	Report Confirmed by:	7	7	3
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MATESHREE ENT. HOSPITAL

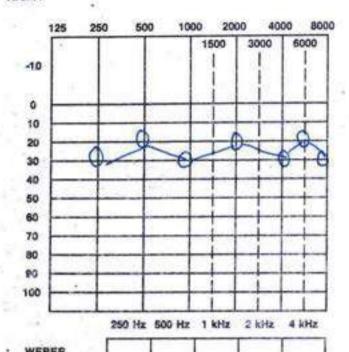


DR. GAURANG JOSHI D.L.O.M.S. (ENT) CIH

C-15, Capital Business Centre, Opp. Central Bank of India, Panch Batti, Bharuch-392 001. Phone : (H) 269880

RIGHT

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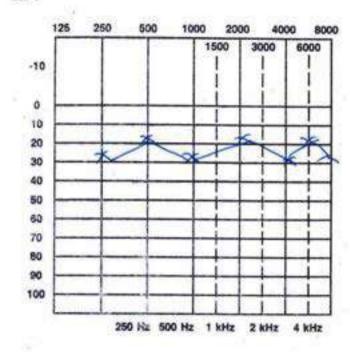


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Comments	Blu	NORMAL	

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Age 24 Yrs. Sex M916	Ref. by
Occupation	
Address	

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Clinical Findings	

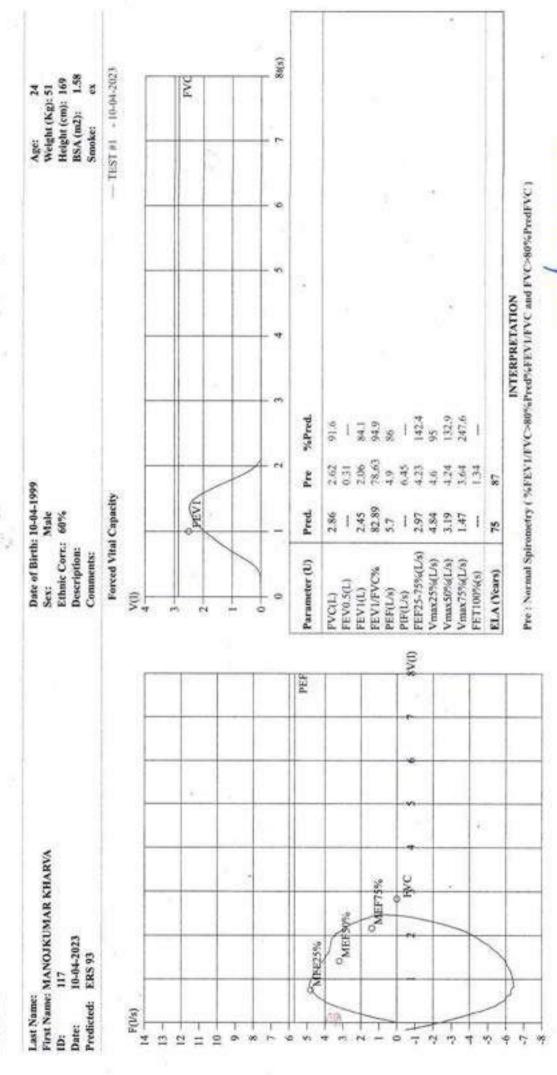
Dr. Gaurang Joshi DVO MS (ENT) Regd G 7667

Mateshree ENT Hospital C-15, Capital Business Center, Panchbatti, BHARUCH-392001 Ph.: (H)02642-269880

> DR. GAURANG JOSHI D.L.O.M.S. (ENT) CIH

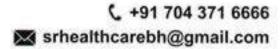


Medicaid Systems 389, Phase-II, Industrial Area



Printed 10-64-2023 SPIRO EXCEL L.1

DR. DEVKUMAR VARMA
M.O. (PATR), MBRS, CH
OCCUPATIONAL REALTH CORSULTABLE
REG. NO.: 6-11075





S R Healthcare Services

NAME : MANOJKUMAR KHARVA DATE : 10/04/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

DR. KRUTIKKUMAR VASAVA CONSULTANT RADIOLOGIST



MANOJ KUMAR KHARVA 100402 M CHEST PA 10-Apr-23 10:45 AM MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH





Medical Certificate of Fitness

Date: 25/05/2023

We hereby certify that we have carefully examined Mr. Krunal Prajapati

Age 24Yrs/ Male and find that he is not suffering from any illness and is Fit to

continue duties in your organization. We also certify that before arriving at this

decision, we have examined all the original medical records of his.

Pre- employment Medical health Check-up

Sign of Consultant:

DR. DEVKUMAR VARMA

M.D. (PATH), MEBS, CIH

Stamp of Consultant:

OCCUPATIONAL HEALTH CONSULTANT

	MEDICAL FITNES		
Name: VNUNA	(To be filled by Med	TO STATE OF THE ST	
Name: KRUNA	L PIZ	HIHYH'	11
Age: 24	1.1	Sex:	WALE
Present Medical Illness:	NIL	1	
Past Medical History	שמענים) X . O.	GRATED
Dietary Habits	mix).¥
Addiction History	NIL		
Family Medical History:	WIL.		
Occupational History :	NIL	1	
Height: \67 cms	Weight : կ <u>Դ.</u> (1 Kgs B	BMI : \0_Kg/m2
BP:12.0 /80 mmHg	PR: 37 /mir	n T:	F Sp02: <u>92</u> %
CNS: WELL ORS 8 CONSTOUS RS: BIL BIR 10 DEMBL.			2 HEARDINGT
Trismus Test :	*		
Visual Acuity	Left Ey	e I	Right Eye
Near Vision	. 171		1716
Far Vision	61	6	616
Colour Vision •	. 1	ממי	
The following investigation	on renorts are veri	fied and attach	and (Kindly tick)
1. PFT 2. ECG 3. CXR	December of the Country of the Country Country and Asia	and the first term of the same	6. Blood Group
	10. Urine R&M		
7. ND3 0. LF1 9. KF1	TO, OTHE RAIN	11. 00-0	12. HBsAg
I have personally examin	ed Mr/Ms 147	Vn W	and have found his/her
reports to be authentic.		Prajura	H
	Signature of Med	DR. Di	EVILUMAR VARMA

Medical Examination Certificate for employment at AIL

(To be issued by General Physician or Industrial Physician Only)

Name :			151501	MAL	phy	2 O K	Trage
Age / Sex :			26) 5	MINCE			
			149				- 5
Present Med	ical Illne	ss:	NIL				
Past Medica	l History	: .	BAABL	XIO	0 % 1	ens	931
Dietary Habi	is:		MIL				
Addiction Hi	story:	7	NIL.				
Family Medi	cal Histo	ry:	NZC			8	r
Occupationa	l History		NIL	18 8			
Height:	167	Cm	Weight:	47.4 K	gs Bi	MI:	17- 0 Kg/m2
: Temperature :		g	F	Pulse Rate			37/min
Blood Pressu		120	PD mm Hg	SpO2;		TIA.	9P %
Trismus Test			(0.77)	1.			

General Examination	NOISWING.
Central Nervous System	NOISMAL
Ear/Nose/Throat	NOIL WAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	WOISWEL.
Musculoskeletal System	NORMAL

	Right Eye	Left Eye
Far Vision	616	616
Near Vision	1716	116
Colour vision	10 10 10	

The	e following	investigatio	n reports	are verified	d and attache	ed (Kindly	tick)
CBC+PS	5900	Bld group	OTE	RBS	62.0	LFT	29120
RFT	0.7	G6PD	12.3	HBsAg	Resetive	Ur R&M	MALMA
PFT	Mormy	PTA	8.	ECG	WNL	CXR	1-12 ma

Name of Physician	DR. DEVKUMAR VARMA
Stamp	REG. NO. G-11075
Date	2510512625
Place	BHAILUCH.

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2	डायबिटीस - धुनार	की बीमारी (मापुप्रमेह)				-	
3	इटच से जुड़ी हुई स	।गरुमा - छाती मै दर्द /हार्ट एटे।	१/जन्मजात इदय की बीमारी विगेर			1	
4	श्वसन संबंधी सम	स्यापं - अस्थना / सांस की तब	ब्लीफ / ज्यादा समय से खंती. विमेरे			-	-
5	दिनाग सम्बन्धित	समस्या (मिनी - खीच आना, र	क्का होना, पोलियो विशेर)	1		-	
6	जिंदर / पिताशय र	हे संबंधित समस्या जैसे पीतिय	म / हेपेटाइटिस / पित की पथरी किगरे			1	
7	पायन तंत्र सम्बंधि	ात समस्या - पेट में छात्रे / उस	टी या संडास में खून आजा / विमेरे			-	
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9	रमत संबंधी शमश एमोमिया / वैसेसी		ट्रक बलिका की कमी / शिकत रोज			-	-
10	वायसङ्ग्रह (खेना/ग	विद्वार) जीवी कोई अंतर द्वाची स	मस्या			1	
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control	arminos personal solver	पताल में भर्ती दूए हो ?	e.c.1035 41			-	
23	the Control of the Co	न / सजेरी हुआ हे ?			1		Appendix
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_			? या वर्तमान में कोई दवा से रहा है?	1			
-		कोई व्यवसाय सम्बंधित चीट /		1			
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36			भी बीमारी /हार्ट अटैक / मानसिक बीमारी	V			
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_	रिक्त टिप्पणी		100	-	_		-
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देशंक	25/00 Bha	5 123			11	MAN	

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Aarti Industries Limited

Self Declaration of Medical History

Nan	TO CONTRACT	Kninul Privileti	-	Age/Sex:				241m
Age	ncy Name:		Functi	-		AC (12.00		
Divi	sion Name:		Emp. c Gate p	ode/ ass No:				
Do	you have any	of the following health problems?		Yes	No	Remark		
V.	20	If Yes, specify in remark coloum			1	110110111		
1	High / low blo	The state of the s			1			
2	Diabetes Melli	tus (Blood Sugar Problem)	1	(0)				
3	Heart related heart disease	problems - Chest pain, Heart Attack, Congenital conditions, valvular etc.						
4	Respiratory re	lated problems - Asthma/Shortness of breath/Chronic cough etc.	1		-			
5	Nervous system	m related problems - Convulsion/Fits/Paralysis/Polio etc.			-			
6	Liver/Gall Blad	der related problems like jaundice /Hepatitis/Gall stones etc.						
7		om related problems - Peptic ulcer/bloody vomiting or bowel habits etc.						
8	Kidney related	problems - Renal stones/Blood in urine etc			1	-		
9	Blood related anemia/Thales	oroblems - Anemia/Low platelet count/Sickle cell isemia etc.						
10	Any endocrine	related disorder like thyroid conditions etc			-			
11	Musculoskelet problem etc.	al disorders - Backache/Limb deformity/disc problem/joints			-			
12	Eye related pro	oblems - Refractive errors/colour blindness/squint/cataract etc.	1		~			
13	Do you wear a	ny contact lenses?				-		
14	Ear related pro	blems - Ear discharge/hearing loss/tinnitus etc."	1					
15	Skin related pr	oblems - Rashes/psoriasis/scars etc.						
16	Are you suffer 8 /Leprosy etc.	ng from any communicable diseases? - Tuberculosis/HIV/Hepatitis		8				
17	Mental Health	related problem			-			
18	Any Allergy - D	rug/Food/Other			1			
19	Vertigo / Giddi	ness	1		-			
20	Phobia (Fear of	hight or closed places/darkness)	1		1			
21	Ankle swelling	Hernia / Hydrocele/Abdominal swelling etc	1					
22	Any history of	nospitalisation in past?	- 1	1				
23	Any history of	past surgeries?	1	1	340	Appendix		
24	Consumption/	Habit - Drug/Alcohol/Tobbaco/Smoking?	1		1	T. T. C. P. IX		
25	Any history of I	ong term medications? OR currently taking any medication?	1					
26	Any history of o	occupational injuries/illness in past?	ı					
27	Any past histor	y of cyanosis? (Bluish discolouration of tongue/lips/nails)	T		-			
28	Family History Asthma/cancer	of Diabetes/Hypertension/Heart Attack/Mental disorder/	Ī		-			
29	For Female	Last Menstrual Period		-	1	_		
-	For remain	Any gynaecological disorder?		-	-	_		
30	Any present co	mplaints?			-			
44	ditional Remark	9 3 *			120723.11			

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.

For non-routine work only: I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 25/05/23
Place: Bharuch

Sign/Left thumb Impression of candidate

FORM NO. 33

(Prescribed under Rule 68-T and 102) -

Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

1.	Serial number in the register
	of adult workers
-	No. of the Control of

Name of the person examined

Father's Name

4. Sex

Residence

6. Date of birth, if available

Name & address of the factory

The worker is employed/proposed

(a) Hazardous process

(b) Dangerous operation

Krunal Prajapati

Parsottambhai Prajapati

Male

Khambhat 23/07/1998

Aarti Industries Limited.

I certify that I have personally examined the above named person whose identification marks are Mole On Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 24 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.

Signature or left hand thumb Impression of the person examined: Signature of the Factory Medical Officer

DR. DEVKUMAR V

OCCUPATIONAL HEALTH CONSULTAR

REG. NO.: 6-11875

Stamp of factory Medical Officer with

Name of the Factory:







aksharampathlab@gmail.com aksharampathlab@gmail.com

		TEST REPORT	
Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/05/2023 11:59	Reg.No.	: 2301005093
Account	: LAB	Mobile No.	

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobín	14.6	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	5.0	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	46.7	96	40 - 50	Cumulative Pulse Height
MCV	93.2	fL	83 - 101	Derived From RBC Histogram
MCH	30.2	pg	27 - 32	Calculated
MCHC	32.0	%	31.5 - 34.5	Calculated
RDW	13.2	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	5900	/c.mm	4000 - 10000	Electrical Impedance
Differential Count	[%]	Unit	Biological Ref. Interval	[Abs.] Unit Biological Ref. Interval
(Flowcytometry /MICROSCO	OPY)			
Polymorphs	70	%	40 - 80	4130 /c.mm 2000 - 7000
Lymphocytes	26	96	20 - 40	1534 /c.mm 1000 - 3000
Monocytes	03	96	2-10	177 /c.mm 200 - 1000
Eosinophils	01	%	1-6	59 - /c.mm 00 - 500
Basophils	00	%	0-2	0 /c.mm 00 - 100
	(0)	203	sacron fi	
Neutrophil to	2.7	%	0.78 - 3.53	Calculated
Lymphocyte Ratio (N	LR)	•		
Platelet Count	351000	/c.mm	150000 - 410000	Electrical Impedance
ESR	04		nm	Modified westergren method
REFERENCES (1) Practical Hematology by Daci			e & Lewis (12th Edition). Infancy and Childhood(7th Edition, 20	

--- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel M.D. (Microbiology)

B.SC. DIALIT

DE DEVYXWAMA

DR. NITESH PAPEL PATEL







REPORT	
Age	: (24Y)
Sex	: Male
Reg.No.	: 2301005093
Mobile No.	
	Age Sex Reg.No.

BLOOD CHEMISTRY

(Specimen: SERUM)

# www.commons.com.	(specimen: SEROM)							
Investigation	Result	Unit	Biological Reference Interval	Method:				
Uric Acid	5.1	mg/dL	3.4 - 7.0	Uricase				
Serum Bilirubin								
Bilirubin-Total .	0.6	mg/dL	0.2,-1.0	DIAZO				
Bilirubin (Conjugated)	0.1	mg/dL	0.0 - 0.3	DIAZO				
Bilirubin (Unconjugated)	0.5	mg/dL-	0.0 - 1:1	DIAZO				
Bilirubin (Delta)	0	mg/dL	6.00.000 W	Calculated				
S.G.P.T. (ALT)	29 -	U/L	0 - 40	IFCC				
S.G.O.T. (AST)	20	U/L	0 - 40	IFCC				
Alkaline Phosphatase	52	U/L	35 - 105	AMP				
Random Plasma Glucose	85	mg/dL	70 - 140	GOD POD METHOD				

End Of Report ----

* Bold Indicates Abnormal Values

This is an electronically authenticated report.







	1111	TEST	REPO	RT	
Name	: Krunal Prajapati	1	(t) 8	Age	: (24Y)
Ref. By	: C/o Srh			Sex	: Male
Reg.Date	: 25/05/2023 11:59			Reg.No.	: 2301005093
Account	: LAB	20.00		Mobile No.	

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation		Result	Unit	Biological Reference Interval	Method
			*		
Creatinine		0.7	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	80	22.1	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen		10.3	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO		14.7	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).

(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

--- End Of Report -----

Bold Indicates Abnormal Values
 This is an electronically authenticated report.







	II	TEST	REPORT	. *
Name	: Krunal Prajapati		Age	: (24Y)
Ref. By	: C/o Srh		Sex	: Male
Reg.Date	: 25/05/2023 11:59		Reg.No.	: 2301005093
Account	: LAB		Mobile N	No. :

SERUM CHOLINESTERASE ESTIMATION

(Specimen: Serum)

Investigation	Result	Unit	Biological Reference Interval	Method	1.5
Cholinesterase	6500	U/ml	4250 - 12000	Dri-chemistry	

Comments:

- Cholinesterase is also called pseudocholinesterase.
- The main indicators for measuring pseudocholinesterase.are:
 - Monitoring exposure to cholinesterase inhibitors
 - As a liver function test
 - Diagnosis of genetic variants.
- The most important use of cholinesterase is to measure the exposure to organophosphorus compounds like organophosphate insecticide which are irreversible inhibitors of both pseudocholinesterase and acetylcholinesterase.
- For individuals working in industries manufacturing organophosphate insecticides, a baseline measurement is recommended. A decrease of 40% from baseline produces symptoms and a decrease of 80% from baseline leads to severe symptoms.
- Pseudocholinesterase reflects acute toxicity while acetyl cholinesterase (true cholinesterase) reflects chronic exposure

Decreased levels:

- Organophosphate poisoning .
- Liver diseases like Acute hepatitis, Cirrhosis & Metastatic carcinoma to liver.
- Malnutrition

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).

(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

* Bold Indicates Abnormal Values

This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel M.D. (Microbiology)

AKAMSHAMPATEL

DRPDEVE VAKAGAMA

DR. NATES PATEL PATEL
M.D. METS PATEL
M.D. METS PATEL
24903

AKS HARAMATHOLDGY & MICROSOFLOGY QUEORAFOR ATORY







	TEST	REPO	ORT .	×1 = xx	
Name	: Krunal Prajapati			Age	: (24Y)
Ref. By	: C/o Srh			Sex	: Male
Reg.Date	: 25/05/2023 11:59			Reg.No.	: 2301005093
Account	: LAB			Mobile No.	

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method	
(8)					
G6PD Quntitative	12.3	U/g Hb	6.4 - 22.0	UV Kinetic	

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

eference: Practical Hematology by Dacie & Lewis (12th Edition).	
End Of Report	

* Bold Indicates Abnormal Values
This is an electronically authenticated report.





+91 98249 64026 4026 00 02642 355179 02642 355179 02642 355179 aksharampathlab@gmail.com aksharampathlab@gmail.com

	III	TE	ST REPO	DRT	9 9
Name	: Krunal Prajapati	201	4	Age	: (24Y)
Ref. By	: C/o Srh	72	T II'V	Sex ·	: Male
Reg.Date	: 25/05/2023 11:59		100	Reg.No.	: 2301005093
Account	: LAB		1	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	
HBsAg Qualitative	Non-		Non -Reactive	
101	Reactive			4/11

End Of Report -

* Bold Indicates Abnormal Values
This is an electronically authenticated report.







ļļ	TEST REP	ORT	
: Krunal Prajapati	7.40	Age	: (24Y)
: C/o Srh	100	Sex	: Male
: 25/05/2023 11:59		Reg.No.	: 2301005093
: LAB	1.	Mobile No.	:
	: Krunal Prajapati : C/o Srh : 25/05/2023 11:59	: Krunal Prajapati : C/o Srh : 25/05/2023 11:59	: Krunal Prajapati Age : C/o Srh Sex : 25/05/2023 11:59 Reg.No.

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)
Method: (Microscopic Examination)

Investigation	Result	
R.B.Cs.	Normochromic Normocytic.	
W.B.Cs.	Appear normal.	900
Platelets	Adequate & Normal.	
Parasites	Not Detected	
3		
	End Of Report	

* Bold Indicates Abnormal Values
This is an electronically authenticated report.







	ļļ	TEST RE	PORT	100
Name	: Krunal Prajapati	28 (Age	: (24Y)
Ref. By	: C/o Srh	2	Sex	: Male -
Reg.Date	: 25/05/2023 11:59		Reg.No.	: 2301005093
Account	: LAB	0 13	Mobile No.	4

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Bold Indicates Abnormal Values
 This is an electronically authenticated report.





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02642 355179

aksharampathlab@gmail.com
aksharampathlab@gmail.com



TEST REPORT : Krunal Prajapati Name Age : (24Y) : C/o Srh : Male Ref, By Sex : 25/05/2023 11:59 : 2301005093 Reg.Date Reg.No. : LAB Mobile No. Account

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.)

	(Specim	en: Orme trastiff	(/Random/P.P.)	
Investigation	Result	Biologica	il Ref. Interval	Method
PHYSICAL EXAMINATION				
Colour	Pale Yellow	Pale Yelk	ow.	
Transparency	Clear	Clear		
CHEMICAL EXAMINATION				(Automated Strip test)
Specific Gravity	1.005	1.005 - 1	.025	
Reaction (pH)	7.0	4.5 - 8.0		
Sugar	Absent	Absent		
Acetone	Absent	Negative	7.1	100
Proteins	Absent	Absent		
Bilirubin	Absent	Negative		
UroBilinogen	Absent	Negative	12	
Leukocyte Estarase	Absent	Negative		
Nitrite	Absent	. Negative	Plus P	
Blood	Absent	Negative		
MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref.Interval	Method (Microscopy)
Pus Cells	1-2	/HPF	Absent	
Red Cells	NIL .	/HPF	Absent	
Epithelial Cells	3-4	/HPF	Absent	

-- End Of Report -----

Bold Indicates Abnormal Values
 This is an electronically authenticated report.

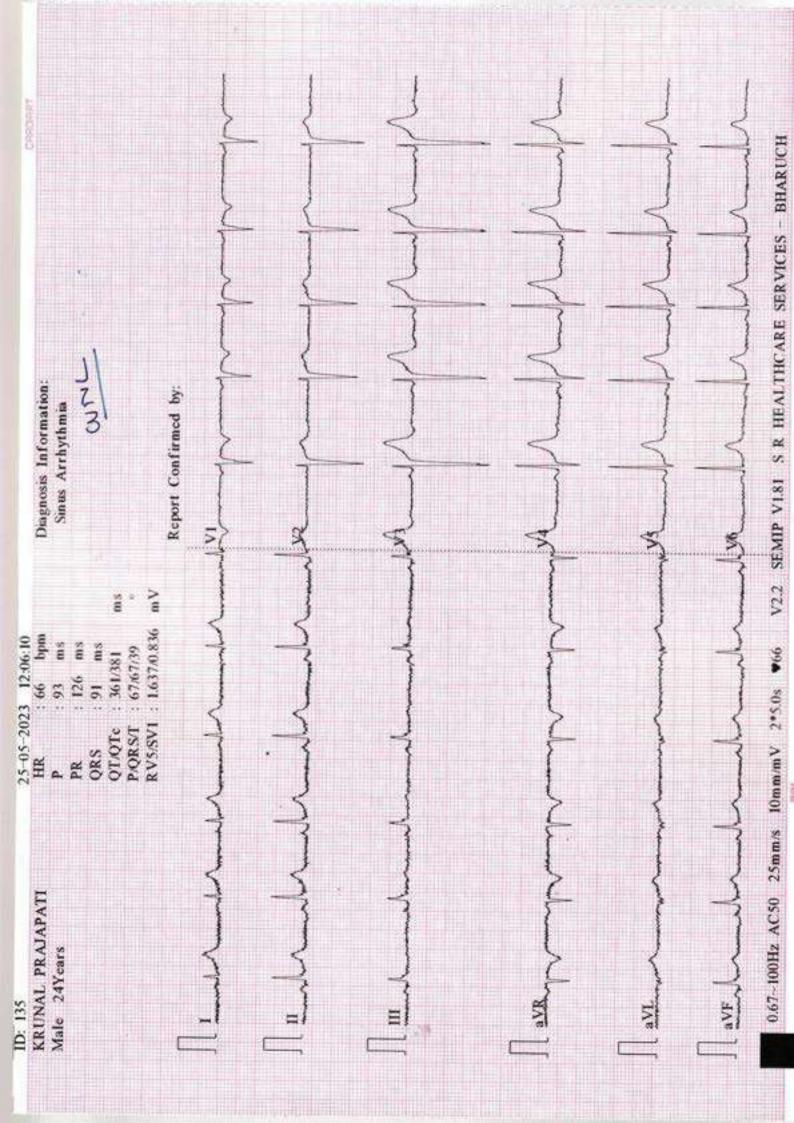
Approved by: Dr. Nitesh Patel M.D. (Microbiology)

AKAKSHAPPAFEL

OR DEVENA WARMA

DR. NOTES WPATEL PATEL

AKSHARAM BATHOL BAY & MICROB KOVOGY CHARGE ATORY



MATESHREE ENT. HOSPITAL AUDIOGRAM



DR. GAURANG JOSHI D.L.O.M.S. (ENT)

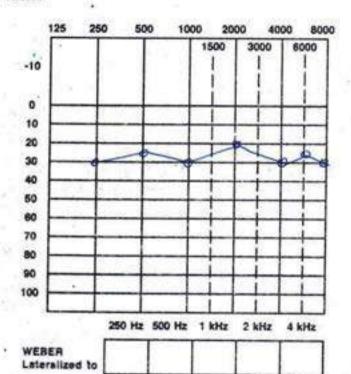
CIL

C-15, Capital Business Centre, Opp. Central Bank of India, Panch Batti, Bharuch-392 001. Phone: (H) 269880

Audiogram of _	Krunal	Prejupati
Age	Yrs. Sex	Ref. by
Occupation		
Address		The second second

Date:___

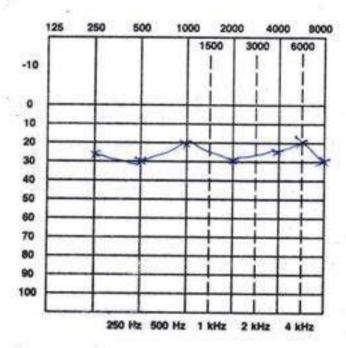
RIGHT



	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT HEARD
R	0	<	Δ	1	0
L	x	>		1	X

LEFT

Code No. : __



Clinical Findings

Comments BIL Normal

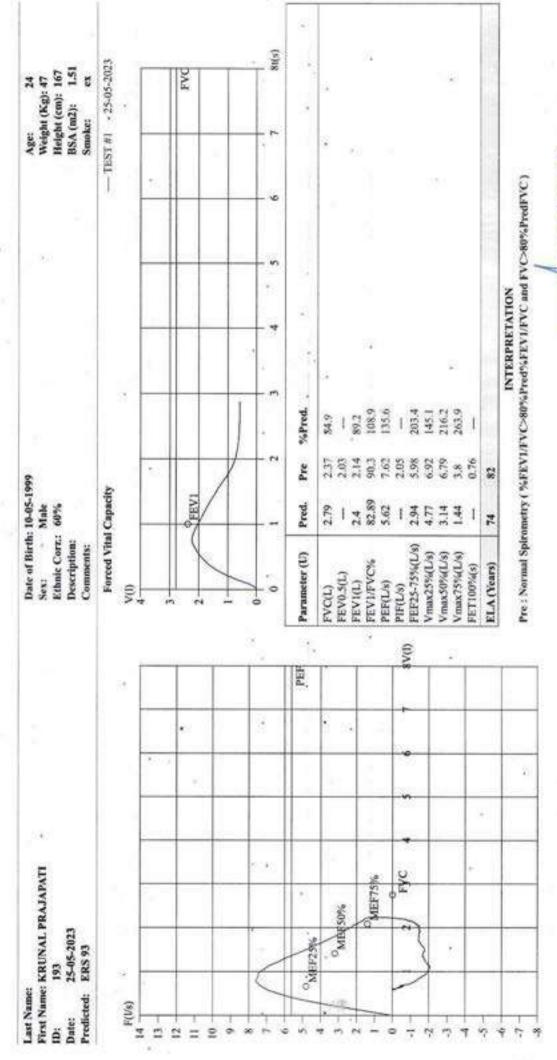
DLOME (ENT)

Mateshive ENT Hespital C-15, Capital Business Center. Panchbatti, BHARNEH-392001 Ph.: (HI02842-289880

DR. GAURANG JOSHI D.L.O.M.S. (ENT) CIH

Medicaid Systems 389, Phase-II, Industrial Area





DR. DEVKUMAR VARMA
Mr. M.D. (PAKH), MBBS, CIH
OCCUPATIORAL HEALTH CONSULTANT
REG. NO.: 6-11075



S R Healthcare Services

NAME : KRUNAL PRAJAPATI

DATE : 25/05/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

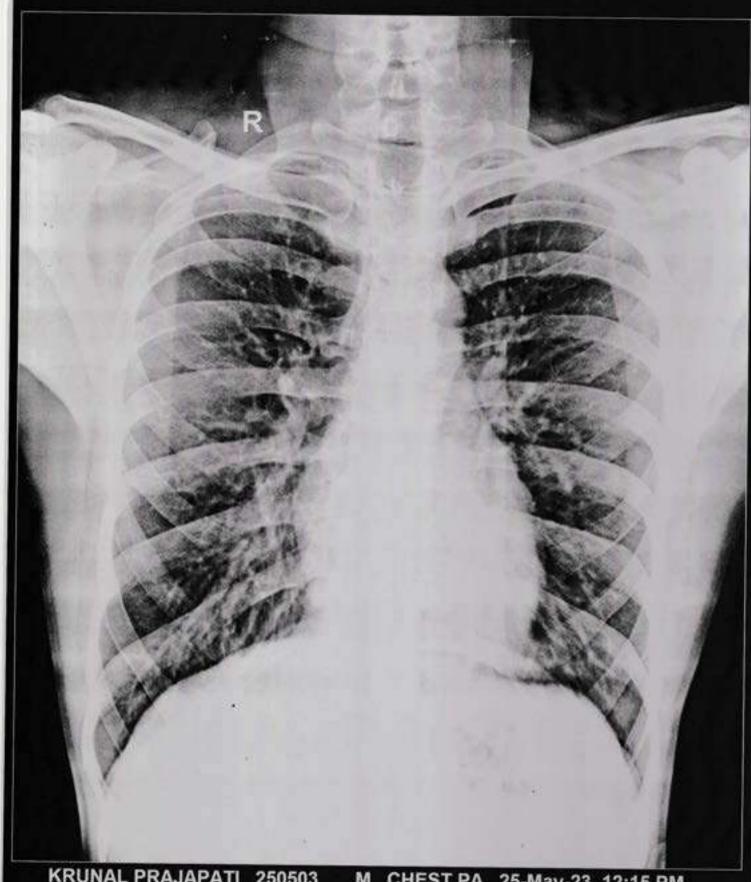
Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

DR. KRUTIKKUMAR VASAVA CONSULTANT RADIOLOGIST



KRUNAL PRAJAPATI 250503 M CHEST PA 25-May-23 12:15 PM MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



S R Healthcare Services

Medical Certificate of Fitness

Date: 25/07/2023

We hereby certify that we have carefully examined Mr. Ronakkumar Patel

Age 26Yrs/ Male and find that he is not suffering from any illness and is Fit to

continue duties in your organization. We also certify that before arriving at this

decision, we have examined all the original medical records of his.

Pre- employment Medical health Check-up

Sign of Consultant:

DR. DEVKUMAR VARMA

M.D. (PATH), MBBS, CIH

Stamp of Consultant: GCCUPATIONAL HEALTH CONSULTANT

REG. NO.: G-11075

MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

PATEL RONAKKUMAR Name:

Age:

26

Sex:

MALE

Present Medical Illness:

Past Medical History

VIL

Dietary Habits

VEGITAILIAN

Addiction History

NIL

Family Medica: History:

NIL

Occupational History

MIL

Height: 174 cms

Weight: 68.3 Kgs

BMI:22.6 Kg/m2

BP:110 /FO mmHg

PR: 7 1 /min

Sp02: 99 %

General Examination

: ROMBERG S TEST NEGATIVE

CNS: WELL ORIENTED & CVS:

S1 & S2 HEARD

CONSIDUS

NORMAL

RS : BIL AIR ENTRY NORMAL

NORMAL

Trismus Test:

Visual Acuity	Left Eye	Right Eye
Near Vision	1116	1716
Far Vision	616	616
Colour Vision .	INDO	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS

6. Blood Group

7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD

12. HBsAa

I have personally examined Mr/Ns _ Rongkkumar and have found his/her reports to be authentic.

Date: 25 07 2023

Signature of Medical Office DR. DEVKUMAR VARMA M.D. (PATH), MEBS, CIH

Place: RHARUCH

OCCUPATIONAL HEALTH CONSULTAR REG. NO.: 6-11075

Medical Examination Certificate for employment at AIL (To be issued by General Physician or Industrial Physician Only)

Name :	PATEL RONALKUMAR M.
Age / Sex :	26 I MALE

Present Medical Illness :	NIL
Past Medical History :	MIL
Dietary Habits :	VEG
Addiction History :	NIZL
Family Medical History :	NIL
Occupational History :	NIL

Height:	74 m	Weight:	68.3 Kgs	BMI:	22.6 Kg/m2
Temperature ;	1	→ F	Pulse Rate :		71 /min
Blocd Pressure	1101	80 mm Hg	SpO2:		qq %

General Examination	Normal
Central Nervous System	Normal
Ear/Nose/Throat	Normal
Cardiovascular System	Normal
Respiratory System	Normal
Gastrointestinal System	Normal
Integumentary System	Normal
Musculoskeletal System	Normel

	Right Eye	Left Eye
Far Vision	616	616
Near Vision	N16	NIG
Colour vision	MAD	

The	e following	investigatio	on reports	are verifie	d and attache	ed (Kindly	tick)
CBC+PS	→U00	-	BtvG	RBS	95-6	A 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	19123
RFT	0-9	G6PD	12.6	HBsAg	Kenesive	Ur R&M	MOIMY
PFT	LATERIA	PTA		ECG	WNL	CXR	Marmy

I have personally examined Mr/Ms. Rongkkumux Pute L and have verified his/her reports to be authentic.

Remarks (If any):

Name of Physician	DR. DEVKUMAR VARMA	
Stamp	M.B. (PATH), MBBS, CIH GCCUPATIONAL HEALTH CONSULTANT REG. NO.: G-11075	
Date	25/03/2023	
Place	BHARUCH	

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आरती इंडस्ट्रीज लिमिटेड

मेडिकल हिस्ट्री की म्व घोषणा Romalekuman M उम और लिया: mule 26 रहेते सामन पंक्षात : एउपनोधी कोड / विकेशन मेट पास सं: लहीं शिव्यकी क्या आएओ जिस्लानिवित स्वास्थ्य समस्या है ? यदि हाँ, तो विस्तार में बताये इस्तु पेशर की कैम्पी (रशतपाप) हावविद्यास- धूनार की क्षेत्राती (लपुथलेड) अटर में जुड़े हुई समस्या - प्रार्थ में दुई /हाई एटेक/जनमजात हुटच की बीनारी विगेरे 4 | बाह्य संदर्भ सम्बद्धां - अस्थम / संस की तकरीक / प्रयाद समय से धांनी विनेत्रे डिमान शम्बंदित समाच्या (मित्री - ग्रीच आतः सम्बा होता, चीतियो वितेरे) सिद्य / पितासद से संबंधित समस्या जैसे पेलिया / हैपेटाइटिस / पित की पच्छी किसेरे. गं प्राचन तथ सम्बंधित समस्या - पेट में खाने / उसटी या संशास में खुन अप्ता / विमेरे किएको संबंधी समस्या - पृतिन में जनन / प्यारी का ट्राई /पृतिन में खुन अपना विनेते. रबात रांचंधी रामस्थ्यपं - हींसीनलीटिन की कभी / ट्रांक करिका की कभी / शिकात केत एनोजिका / सैजेजीजिका विनीरे मापराइड (खेगा/गोइटर) जैसी कोई अंत- खारी कमस्या 11 बजर दर्द / अंग विकृति / रीद की हतुते / तिरूक की समस्या / जोड़ो की समस्या विगेरे ऑस्ट्रें सम्बंधित समस्या - जन्म की कमजोरी / रंग पहचानने में तकसीप होता / मोतिया 25 fave fight 13 क्या आर ऑस्टेक्ट सेस पहलते हो ? 14 बदर के सम्बंधित समस्या - बदर में पाकरपश, होता / हुई। से मुनाई न देता / विमेरे 15 त्याचा सम्बंधित समस्याः लाल चकाले होता / संतियासिस / धाव - विकृति के निशाल विशेर क्या आप किसी संक्रीमेल रोग से पीड़िल हो ? - क्षाय होग / एवं आई सी / हेपैटाइटिस बी / 16 इन्ड रंग किये 17 मानसिक केमारी 18 किही दवाई / खाना / या अन्य बोई चीज की असेजी 19 एक्स आर 20 इंचाई हे हर सगमा / अंधि से हर सगमा विगेरे 23 | वेर में स्टूजन / हॉलैया / होड़ीकिस / वेट में फारी करना विरोध 22 बचा आप कभी अस्पताल में अली हुए हो । 23 अजी बरेड्रे ऑपरेसन / शर्मी हुआ है ? २५ किसी भी लश्हेंसी दवा / शहब / लंबाकु का सेवन /प्रस्पान क्या आपने लाओ समय तक कोई दवाइया खाई है ? या वर्तमान में कोई दवा से रहा है। 26 क्या आपनो कभी नोई व्यवसाय सम्बंधित चोट / बीमारी हुई हे ? क्या कार्वे जीज / होंठ या लाह्युती में नीतवपन हुआ है ? क्या आपके चरितार में किसी को रक्तप्राप/शुरूप की बीजारी /हार्ट अटेक / मानसिक बीजारी/ 28 श्राम / केंग्रप है । अवरों मारिक की लग्नेय 29 महिमाओं के लिए शकी होता क्षेत्रपी जनस्था 30 शाम से कोई समस्ता / देमारी है ? अतिरिक्त दिण्यणी

में प्रतासित करान हूं 'रे मेरे द्वारा दिया गया उपयुक्त विवरण मेरे आलकारी और विश्वास के अनुसार कही और पूर्व है। केदल मॉन क्टीज काम के लिये : में इस बात की प्रीक्षण करता हूं कि में कामरे मोति के उल्लंधन में राजायनिक प्रक्रिया होने में काम नहीं करूंगा।

25/07/2023

PR.M.

व्यक्तित के हरतवसर या बार्एअंगूठे का निशान



Aarti Industries Limited

Self Declaration of Medical History

Name:	Redel Ronakkuman m.	Age/Sex:	26, mule
Agency Name:		Function:	- SOUTHWARE VERSE
Division Name:		Emp. code/ Gate pass No:	

y	ou have any of	the following health problems?	Yes	No	Remark
		If Yes, specify in remark colours			
1	High / low blood	pressure		-	
2		(Blood Sugar Problem)		1	
3	Heart related pro heart disease etc	blems - Chest pain, Heart Attack, Congenital conditions, valvular		~	
4	Respiratory relat	ed problems - Asthma/Shortness of breath/Chronic cough etc.		~	
5		related problems - Convulsion/Fits/Paralysn/Polio etc.		~	
6	Liver/Gall Bladde	r related problems like jaundice /Hepatitis/Gall stonus etc.		~	
7	Digestive system stool/irregular bo	related problems - Peptic ulcer/bloody vomiting or owel habits etc.		~	
8	Kidney related pr	roblems - Renal stones/Blood in urine etc		~	
9	Blood related pro anemia/Thalesse	oblems - Ancmia/Low platelet count/Sickle cell omia etc.		~	
10	Any endocrine re	elated disorder like thyroid conditions etc		~	
11	Musculoskeletal problem etc.	disorders - Backache/Limb deformity/disc problem/joints		~	
12	Eye related prob	lems - Refractive errors/colour blindness/squint/cataract etc.		~	
13	And the second second second	contact lenses?		1	
14	Ear related prob	lems - Ear discharge/hearing loss/tinnitus etc.		V	
15	Skin related prot	olems - Rashes/psoriasis/scars etc.		~	
16	Are you suffering B /Leprosy etc.	g from any communicable diseases? - Tuberculosis/HIV/Hepatitis		~	
17	Mental Health re	elated problem		~	
18	Asy Allergy - Dry	ig/Food/Other		V	
19	Vertigo / Giddin	ess.		V	
20	A STATE OF THE PARTY OF THE PAR	hight or closed places/darkness)		V	
21	Ankle swelling/h	Hernia / Hydrocele/Abdominal swelling etc		V	
22	Any history of h	ospitalisation in past?		~	
23	Any history of p	ast surgeries?		~	
24	Consumption/H	abit - Drug/Alcohol/Tobbaco/Smoking?		1	
25	Any history of to	ing term medications? OR currently taking any medication?		-	
26	Any history of o	ccupational injuries/illness in past?		V	
27	Any past history	of cyanosis? (Bluish discolouration of tongue/lips/nalls)			
28	Family History of Asthma/cancer	f Diabetes/Hypertension/Heart Attack/Mental disorder/		V	
20	#3950000	Last Menstrual Period		100	
29	For Female	Any gynaecological disorder?	1		
30	Any present cor	nglaints?		V	

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.

For non-routine work only: I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 25/07/2023

, have

Sign/Left thumb Impression of candidate

FORM NO. 33

(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

 Serial number in the register of adult workers

Name of the person examined : Ronakkumar Patel
 Father's Name : Mahendrabhai Patel

4. Sex : Male
5. Residence : Vadodara
6. Date of birth, if available : 09/11/1996

Name & address of the factory : Aarti industries Ltd, Dahej

8. The worker is employed/proposed :

(a) Hazardous process : (b) Dangerous operation :

I certify that I have personally examined the above-named person whose identification marks are Mole on Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 27 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.

Signature or left-hand thumb Impression of the person examined: Signature of the Factory Medical Officer

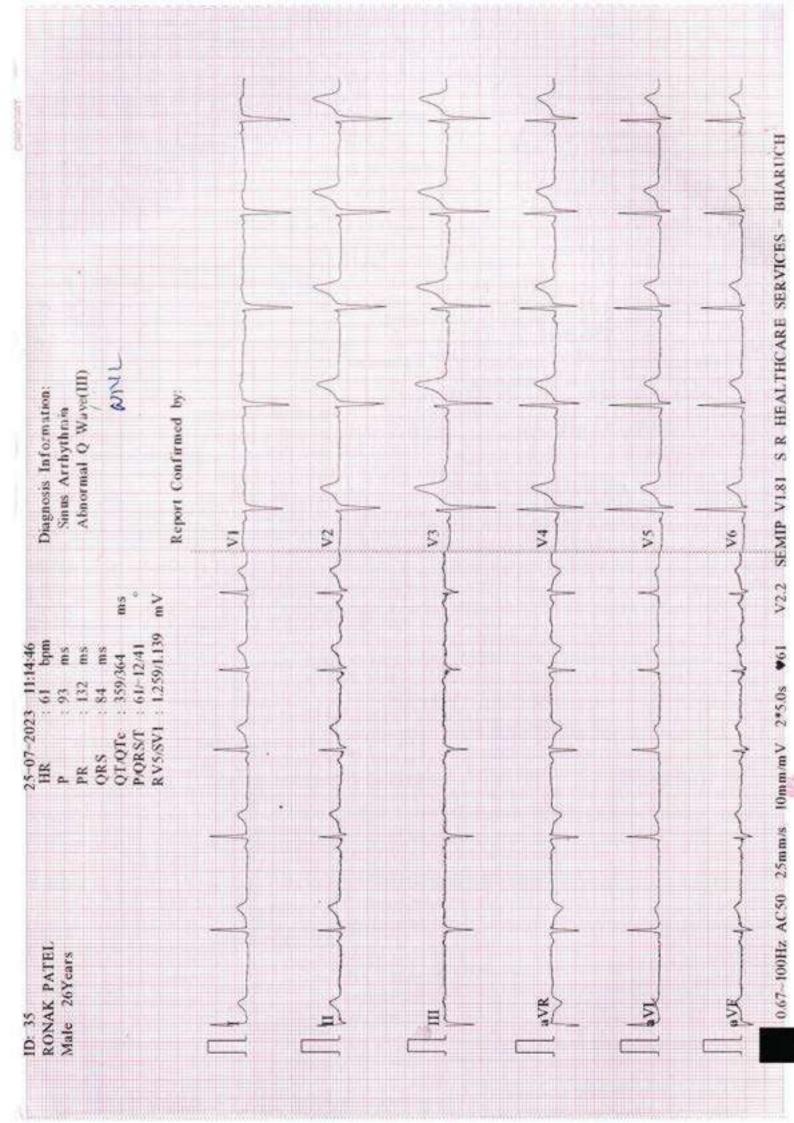
DR. DEVKUMAR VARMA M.D. (PATH), MSBS, CIH

OCCUPATIONAL HEALTH CONSULTANT

REG. NO.: G-11075

Stamp of factory Medical Officer with

Name of the Factory:



MATESHREE ENT. HOSPITAL

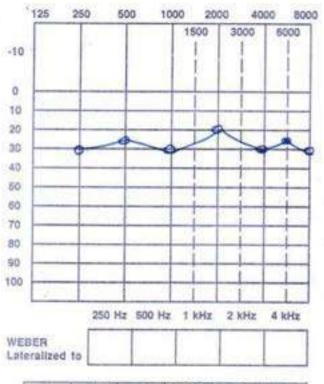
AUDIOGRAM

DR. GAURANG JOSHI D.L.O.M.S. (ENT)

> C-15, Capital Business Centre, Opp. Central Bank of India, Panch Batti, Bharuch-392 001. Phone: (H) 269880

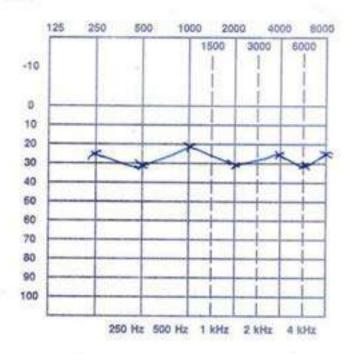


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L	Х	>		1	X

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Cilinies:	Findings	
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Comments BL Normal

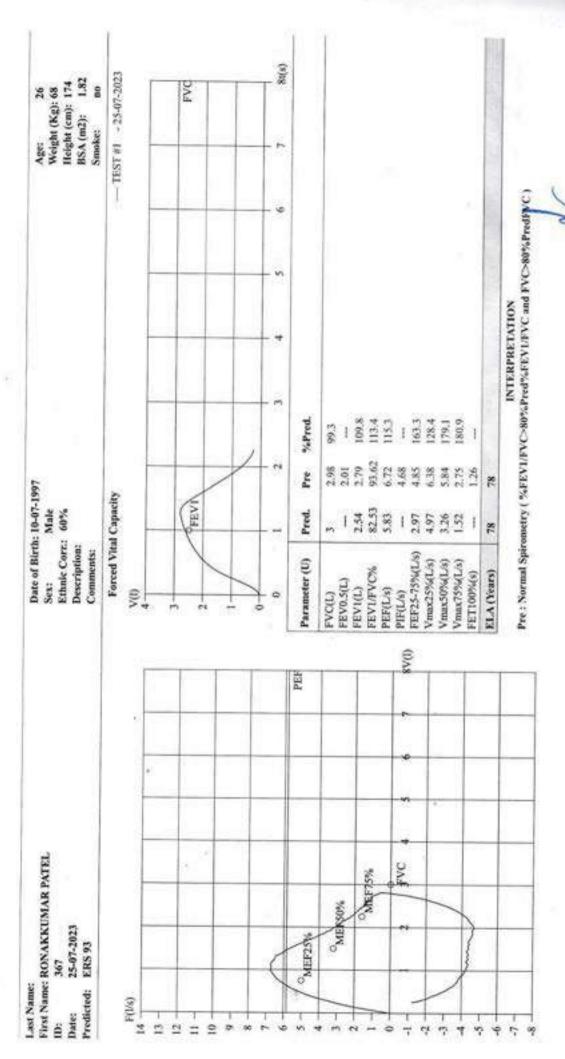
Dr. Gaurang Mahi M.G-382 (Skill) Amen ii 161 Matestern EUT Hospital

C-15. Capitel Sesiners Center. Paneliberti, R6 ARUCIDE, GAURANG JOSHI

Ph. GRETTAL TENT D.L.O.M.S. (ENT) CIH



Medicaid Systems 389, Phase-II, Industrial Area



Mr

DR. DEVKUMAR VARMA M.D. (PATR), MBBS, CIH DCCUPATHONAL HEALTH CONSULTANT REG. NO.: 6-11075 NAME: RONAKKUMAR PATEL

DATE : 25/07/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal,

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

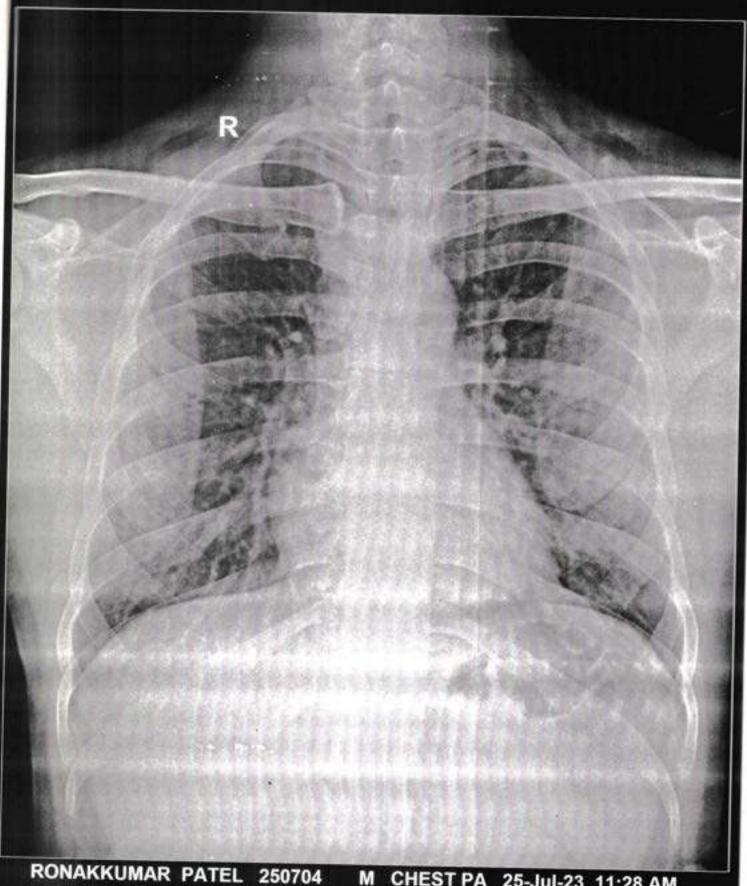
Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

DR. KRUTIKKUMAR VASAVA CONSULTANT RADIOLOGIST



RONAKKUMAR PATEL 250704 M CHEST PA 25-Jul-23 11:28 AM MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH







2 3 0 1 0 1 1 9 0	6.7	TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method	ł	
Haemoglobin	15.2	gm%	13.0 - 17.0	Non Cya	nide Oxy I	Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method	ł	
RBC Count PCV MCV MCH	4.6 42.3 93.3 32.3	mill./c.mm % fL pg	4.5 - 5.5 40 - 50 83 - 101 27 - 32	Cumulati		
MCHC RDW	31.5 12.3	% %	31.5 - 34.5 11.6 - 14.0	Calculate Derived I	-	Histogram
Total WBC Count	7400	/c.mm	4000 - 10000	Electrica	l Impedar	nce
Differential Count	[%]	Unit	Biological Ref. Interval	[Abs.]	Unit B	Biological Ref. Interval
(Flowcytometry /MICROSC	OPY)					
Polymorphs	60	%	40 - 80	4440	/c.mm	2000 - 7000
Lymphocytes	37	%	20 - 40	2738	/c.mm	1000 - 3000
Monocytes	02	%	2 - 10	148	/c.mm	200 - 1000
Eosinophils	01	%	1 - 6	74	/c.mm	00 - 500
Basophils	00	%	0 - 2	0	/c.mm	00 - 100
Neutrophil to Lymphocyte Ratio (N	1.6 ILR)	%	0.78 - 3.53	Calculate	ed	
Platelet Count ESR REFERENCES		Hematology by Dao	150000 - 450000 NM cie & Lewis (12th Edition). f Infancy and Childhood(7th Edition,2	Modified	l Impedar I westergr	nce ren method

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist) Reg. No. G-2489





DR. NITESH PATEL M.D. Microbiology Reg. No. G-24903









2 3 0 1 0 1 1 9 6		TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

(Specimen: Serioly)									
Investigation	Result	Unit	Biological Reference Interval	Method:					
Uric Acid	5.2	mg/dL	3.4 - 7.0	Uricase					
Serum Bilirubin									
Bilirubin-Total	0.6	mg/dL	0.2 - 1.0	DIAZO					
Bilirubin (Conjugated)	0.3	mg/dL	0.0 - 0.3	DIAZO					
Bilirubin (Unconjugated)	0.3	mg/dL	0.0 - 1.1	DIAZO					
Bilirubin (Delta)	0	mg/dL		Calculated					
S.G.P.T. (ALT)	14.5	U/L	0 - 40	IFCC					
S.G.O.T. (AST)	23.6	U/L	0 - 40	IFCC					
Alkaline Phosphatase	74.5	U/L	35 - 105	AMP					
Random Plasma Glucose	95.6	mg/dL	70 - 140	GOD POD METHOD					

----- End Of Report ------



^{*} Bold Indicates Abnormal Values This is an electronically authenticated report.







2 3 0 1 0 1 1 9	67	TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

RENAL FUNCTION TEST

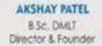
(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	0.9	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	23.6	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	11	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	12.2	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).

(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----



^{*} Bold Indicates Abnormal Values This is an electronically authenticated report.







2 3 0 1 0 1 1 9 6	7	TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quntitative	12.6	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th	Edition).
End O	of Report

* Bold Indicates Abnormal Values This is an electronically authenticated report.









2 3 0 1 0 1 1 9		EST REPORT	
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Account	: LAB	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	
HBsAg Qualitative	Non- Reactive		Non -Reactive	

Please Note:	This is Rapid	screening	test pleas	<u>e confirm</u>	it with	Elisa t	est (confirmator	ry test)	١.
	•	Ü	•				`		• /	
				- End Of F	Report				•	

* Bold Indicates Abnormal Values
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2 3 0 1 0 1 1 9 6		TEST REPORT	
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Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

PERIPHERAL SMEAR STUDY

(Specimen: EDTA) **Method: (Microscopic Examination)**

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected
:	End Of Report

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2 3 0 1 0 1 1 9 6	7	TEST REPORT	
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Account	: LAB	Mobile No.	:

BLOOD GROUP

Investigation Result Method							
ABO TYPE "B" Forward Grouping By Column Agglutination							
RH TYPE	POSITIVE	1 0 / 30					
REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).							

------ End Of Report ------

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Account	: LAB	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.)

Investigation	Result	Riol	aniani Daf Internal	
		ыы	ogical Ref. Interval	Method
PHYSICAL EXAMINATION				
Colour	Pale Yellow	Pale	e Yellow	
<u>Transparency</u>	Clear	Clea	ar	
CHEMICAL EXAMINATION				(Automated Strip test)
Specific Gravity	1.020	1.00	05 - 1.025	
Reaction (pH)	6.5	4.5	- 8.0	
<u>Sugar</u>	Absent	Abs	ent	
<u>Acetone</u>	Absent	Neg	ative	
<u>Proteins</u>	Absent	Abs	ent	
<u>Bilirubin</u>	Absent	Neg	ative	
<u>UroBilinogen</u>	Absent	Neg	ative	
<u>Leukocyte Estarase</u>	Absent	Neg	ative	
<u>Nitrite</u>	Absent	Neg	rative	
Blood	Absent	Neg	ative	
MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref.Interval	Method (Microscopy)
Pus Cells	1-2	/HPF	Absent	
Red Cells	NIL	/HPF	Absent	
Epithelial Cells	2-3	/HPF	Absent	

------ End Of Report ------



BSc. DMLT Director & Founder DR. DEV VARMA M.D. Pathology Reg. No. G-2489 DR. NITESH PATEL M.D. Microbiology Reg. No. G-24903









2 3 0 1 0 1 1 9 6	 	TEST REPORT	
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Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
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T2904/2006 THE TIMES OF INDIA CASURAT

23/04/2018



ARCHIVES (/SEARCH/AFCHIVES)

Ahir sub-divisional magistrate people to suffer any losses."

PUBLIC NOTICE **ENVIRONMENTAL CLEARANCE**

M/s. Aarti Industries Limited (Unit-II) Plot No. Z/103/C Dahej SEZ-II, Dahej, Diet: Bharuch, Gujarat. 392136

It is hereby informed that the State level Environment Impact Assessment Authority, Gandhinager, Guiarst has accorded the Environment Clearance for setting up of the proposed manufacturing of Synthetic Organic Chemicals by M/s. Aarti Industries Limited (Unit-II) at Plot No. 2/103/C, Dahej SEZ-II, Dahej, Bharuch Gujarat- vice File no: SEIAA/GUJ/EC/5/fy/391/2018 dated 31" March, 2016, A copy of the clearance letter is placed at office of Gujarat Pollution Control Board (Eharuch & Gandhinagar) and may also be seen at website of State level Environment Impact Assessment Authority, Gandhinagar, Gujarat at http://seiss.gojarat.gov.is/ Date: 21-04-2018

sd/-Director

DEFINIT SHEEDING AND STORY STORY OF RESIDENCE AND ASSOCIATED STORY ASSOCIATED STORY AND WARD gation in the rape and murder of the II-war-old girl, whose

body was reco-

vered from Fundosara area on April 6.has revealed how the prime accused Har-

savat Gurtar crossed all 5mits of brutality before allagodly killing her:

Police found that her privum parts were badly rupinred due to insertion of a wooden object like a rolling pio. Gurjar confessed to police that he inserted the wooden object in private parts and also threehed her with the stick that left 86 injury marks on her body. Police ure also investigating the rule of other family mean bers of Guriar since his wife

The acrosed Harsayai Guriar was produced at a local court in Surat on Sunday and remanded to police custody till May 3

was present in the same homewhere the girl was naurdered. Police are also checking if the wife had also thrushed the girl.

clay's detection of crime branch (DC8) on Seturday and produced in a local court on Sunday. He was remanded

to police custody t El May 3. Pulice requested custody of the accused to investigate that how he murdered the girl and her mother. "We are trying to

confirm if the girl was raped but it is clear that some foreign object was inserted in her privote parts. We have taken the Guriar was arrested by the custody of Guriar from Ab-

medahad crimo branca," Satish Storma. cuty police-commissioner, told TOL "Even if rope is not proved in the medi-

cal report, the case will be considered as rane as per the law as the victim was minor," he

"Guriar is not confessing

THE STREET, NOT DOUBLE AND UNDO car while bringing her to city from Kampe in Sume district. He told police that he killed the girf stnowise had informed neighbours about her mother's mother.

"Since March 20, when the girl'smother was murdered by Guriar and Hari Om, the minor was confined in the formee's elder brother's room. She was subjected to extreme sexual torture and beaten several times a day so that she doesn't open her mouth," a senior Ahmedabed crime brench official told TOE. According to Ahmedabad crime branch sources, Guriar's accomplice in crime, Hart Om Isabsconding and a munbunt has been bunched to ash him.

/With inputations Sarfanaz Shaikh) WHEN THE PROPERTY WHEN YOUR an facilities more efficient. Some guidelines were gi-

yes to the SMC by the state government on Saturday at the district collector's office. The SMC authorities were asked to thoroughly clean up the creeks and the river to enhance their flowing casacity and also the city pends. The civic body has been asked to curtail daily water scoply to the citizens: At present, SMC supplies nearly LD75 million. litre per day (MLD) of water to its 50 lath population in the city. There is a possibility of the civic body cutting the water supply by 10% in the

DESCRIPTION OF STREET

The corporation also plans to clean up takes and injets and all those facilities. used for rain harvesting bestdes making preparations for recharging of wells during the monsoon season. The civir body will soon take up drodging work in the river

An SMC officer said water is a precious commodity and that the ox poration will keep a strict vigil on people and commercial establishments who waste water Those wasting water will not be spared. We will sever their water connections." the officer said.

Music system, laptop stolen from cars

Surat: Two unidentified persons were booked at Umra police station on Saturday for stealing valuables from different cars. An unidentified person stole a music system worth Rs 7,000 from the car of Nironian Dalai (73), when it was parked near his house. in Party Point. An unidentified person stole a laptup worth Rs. 30,000 from the car of Selvant Chettivar (S8), a resident of Venu. when it was parked near a restaurant in Parle Point.

इटर-इण्डिया, प्लाज्मा अनुसंधान संस्थान ITER-India, Institute for Plasma Research erfler (f. 1970) sampe von dicht fra "abbar, opensen-36005, spens, von Bleck A. Sangath SPYZ, Bhat Motor Road, Kateshuri, Ahmedakad SEOSS, Oujand, India

Phone: +91-79-2326959; Ersel: purchase@iter-india.org

PUBLIC TENDER NOTICE No.: I-ITN18001 dated 23" April 2018

Sealed lenders are invited in TWO PART from reputed and digible parties for thefollowing

Horn	Qty.	Due Date & Time' for		Teader	CMS
Description		Submission of Tender	Opening of PART-A	Fee	15.00000 P
Fabrication and Supply of Signal Conditioning Units on Built-to- Print (BTP) Design basis.	Ot Set	27-06-2018 by 1.00 p.m. (IST)	27-06-2018 at 2.30 p.m. (IST)	508.00	40,000.00
as per the details of in the lander document	pecified settls				

Qtv : Quantity: # refer to bender documents for other important dates

Tender documents are available on ITER-India website https://www.farindia orgidisplay tender, grid phai for download, flidders meeting the Eligibility Qualification Critera as specified in the Part A (III) of tender Documents, may submit ther tilds along with the prescribed Tender Fee (non-refundable) and EMD, as per the details given in the tender documents, in the form of Demand Draft or NEFT, AS further updates or amendments, if any, portaining to this lander shall be notified and uploaded on the ITER India website only and no separate corrigandum would be published in this regard. Therefore potential bidders are advised to visit the ITER-India website on a regular basis.

BHARAT DYNAMICS LIMITED (A Government of India Enterpri MINISTRY OF DEFENCE

Dt: 23-04-2018

Ref : BDL/CC/0T/GT/901/2018-19 e-PROCUREMENT ABRIDGED TENDER NOTICE

\$1. No.	Tender ID	Description	Estimated Amount ?
1	59908	Construction of School Building at BDL, Shakur	242.53 Lashs
2	59952	Annual Civil Maintenance of Baltoings, noads & other facilities at BOL, Shanar in following zeroes. 5. Zone A-plant and 2. Zone G-plant and 3. Zone C-glant and 4. Zone C-glant and	15 Lakho 15 Lakho 15 Lakho 15 Lakho
3	59984	Extension of shee for EB VII Building at BOL, Kanchanbagh, Hyderabad	43.27 Lakfis
4	50982	Construction of PEB in BOL, Karchanbagh, Hyderabad	904.13 Lakts
5	19996	Construction of Community Hall, Communitor, Library and other Civil Works at Malpur Village, Dhule District, Materiashtra under BOL CSR Activities	200 Laids

Please wink website https://bdtenders.abcaracure.com for further details. Bids should be submitted online only.

"Configendum if any shall be issued through our e-portal only and not in Newspapers Dy. General Manager (Corp. Commi.

Government Of Gujarat Narmada Water Resources Department. Short Term Online Tender Notice No. 1 of 2018-19

Name of Work:- Total 10 (Ten) works as per detail Notice covering under Shedhi Irrigation Division, Nadiad)

Estimated cost - Rs. 109.36 Jacs (Total for 10 (Ten) works)

Last date/Time for receipt of tender:- dtd, 30/04/16 up to 18.00 hrs.

Name & Address of the - Executive Engineer, Shedhi Irrigation Division, Govt. Colony, Mission Road, Nadiad, Phone No. 0268-2557140. Fax No. 0268-2556025 Further details can be seen at www.nprocure.com, /www.statetenders.com www.nprocure.com

Online Tender Tender Notice No.01 (2018-19)

The Tenders are invited by the Executive Engineer, Penchayat R.&.B. Division, Palanpur Pin Code No. 385001 Phone No.(02742) 257197 for Panchayat Ghar, Taluka Panchayat office and Boarder Village Work from the contractors registered in Spe. Category 3 (Building) as per on line E-Tendering. The details notice of which could be seen & Download on website http://mbriprocure.com from Dt 27-04-2018 cowards. For Further particulars contact above stated office during office hours. Notice is also available on www.statetenders.com.

THE OCHPANIES TO THE

(N)	GOVERNMENT OF ANDHRA PRADESH
(text)	DEPARTMENT OF MINES AND GEOLOGY
35	D.No. 7-104, 5" & 6" Floors, 8-Black, 5rt Assarson Towers, drantingsteam Krishna District, A.P. 521456, Ptr. 0806-2862179, e-mait: dragag-8 sp.gre.ix

Notification No.: 8003/P-MISA/0017-1

Dt: 23.04.2016

NOTICE INVITING TENDER Notice for bids for grant of mining lease with respect to six (II) Limestone Blocks and one (1) Gold Block in the state of Andhis Fradesh

Directorate of Mines and Geology GoAP has identified the specified mineral blocks for he purpose of grant of mining leases through electronic auction (e-auction) and hersby miles bits in digital form

max you	5900 MI	rgicant i	property.	Bergiotics.
Table	- Debail	is of h	Eners	blocks

1.8	Mineral Stock	Monsi	Recornes (Mn turnes)	Mineral Con- cession Anna (Nacture)	Specified End Use Reservation
1.	Mitagutipatur Coli - I	Linestone	17.81	82,776	
2	Mftagudpetu-Gol - III	Linestone	60.54	116.509	Tions
1	Todalla	Linestone	29.75	312.696	10000
×	Mitagudgest-Got - II	Linestone	127.71	275.162	Grantfeld &
\$	Minagudpedu-Gol - IV	Unasione	208.25	306.090	bravenició somen
	Chintalayapale - Abdulapuran - Korumanipati (CAK)	Linestone	13164	365 173	captive consumption within AP
7.	Chigargurta - Sisanathani	Gold	2.25	362.01	None

For information or sender less, simplices, notifications, updates, and other details, interests botters are requested to visit the website of MSTC Ltd. (www.mstxecommerce.com) The tender document can be downloaded from the velocite of MSTC cat from 23.04 2016

56'- B. Breedher, IAS Cirector of Mines & Geology (A.R.)

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કાન દુકલીર્વ પામની મહત્વસર્થ તથાર દિશ અને ખુલામોમાં દેવી દેવદાઓની ઉજ્ઞ ક્રક્તિથી રાજ કારન . શુક્રકારી આપી. છાલાવા નકાલ ઉપાદકારામાં મીટિયા રાતે ર કિવીના મંતરે લાગમ ખુલામાં કર્યા રાતે થી. મહાજ તેમણ વિભાઈ મહાજના પીડ્રકિક મીટિ શે. સમજનોની મહાલા અને કળાનું કરિક છે. 200

ડભોઇ એસટી ડ્રેપોનું સમયપત્રક બદલાતાં લગ્નગાળામાં કેર્મચારીઓ રજા પર જતાં બસોની આવ-જા ઘટી

લગ્નગાળામાં કાળઝાળ ગરમીમાં હેરાન થઇ રહેલા મુસાફરો

શિનોર ગ્રા.પંચા.માં ગ્રામ્ય સ્વરાજ અભિયાન ઉજજવલા દિવસની ઉજવણી કરાઈ

૧૧૦ લાભાર્થીઓને ગેસકિટનું વિતરણ

છોટાઉદેપુર જિલ્લાના પાંચ હજાર શિક્ષકોનો ગુપ્ત ફોર્મ માહિતી માટે રોષ

કોર્મની માહિતી લીક થઇ તો જવાબદારી કોની?

હાલોલના કાતડિયા ગામે સ્વચ્છ ભારત દિવસની ઉજવણી

જળ સંચય અભિયાન અંગે ભરૂચ જિલ્લા સંકલન સમિતિની બેઠક યોજોઇ

પાણી બચાલીને આવનીરી પેઢીના ઋણી બનવાની તક ઝડપવા મંત્રીની હાકલ

ભરૂચના જૈન સોશિયલ ગૃપની ઇન્સ્ટોલેશન સેરેમનિ સંપન્ન

l જેવં ના પણ તાંકે જેને પ્રેલેએ તોને બેનવા દેવાણે હતે. નવા પ્રમુખે હો દ્વાનો અખત્યાર સંભાઇયો

માટીના નાણાંની ઉઘરાણીમાં પિતા-પુત્રોનો હિંસક હુમલો

_{લ્લું વેલ્લ્લ્લું}તા પિતા- પુત્રો મળી ત્રણ વ્યક્તિ સામે

છોટાઉદેપુર નગરને ભૂંડના ત્રાસથી છોડાવવા કાર્યવાહી શરૂ

ભુંડો કરડવાના અને ભૂંડોને લઈ થતા એકસ્માતથી નગરજનો મુક્ત થશે

પંચમહાલમાં ગ્રામ સ્વરાજ અભિયાન અંગે થયેલી કામગીરીની સમીક્ષા

કેન્દ્રના નોડલ અધિકારી વિવિધ કામગીરીની નોંધ લઇ

પસંદગીનાગામોમાં તમામ કાર્યો પૂરાં કરવા અનુરોધ



દાહોદ સ્માર્ટને સિટિમાં ફેરવાઇ રહ્યું છે

નગરના સત્તાપીશોને મતે નગર પ્રત્યે કોઈ આદરભાવ કેવલયે નથી

ાર્ટીની જગ્યાએ દાર્સનિક દાતોદનું સર્જન ક્યારે થશે?

મહાનુભાવોના આગમન ટાણે રાતોરાત બધું સાફ સુથર્ર થઇ જાય એ વહીવટી તંત્રની કેવી બલિહારી!

વિશ્વ મેલેરિયા દિને ૨૫મીથી રાજ્યને મેલેરિયા મુક્ત કરવા ઝૂંબેશ શરૂ

કનગામમાં સર્વગોગ નિદાન

પાદરામાં ઉજ્જવલા દિને ૧૦૦થી વધુ લાભાર્થીની નોંધણી કરાઇ

જાબિલાયુપાલવાલ LPG પંચાયતમાં ગેસકીટ વિતરણ અને અનુભવોની આપલે





Pacific School of Engineering

(Approved by AICTE New Delhi & Affiliated to GTU, Ahmedabad)

Ref. No.: PSE/ENGG/CERT/22/10

Date:04/04/2022

DETAIL OF CLEANER PRODUCTION PRACTICES

The Environmental Audit Scheme was introduced by the Gujarat High Court vide its orders dated 20/12/96 & 13/3/97 and modified vide order dated 16/9/99, 22/04/2010 & 23/1/2015. We are recognized by GPCB, Gandhinagar as Schedule- I Environmental Auditor for compliance of the directions of the Hon'ble High Court. In order to study cleaner production practices, industry has approached us and thus, visits were carried out and evaluated practices of CPP for:

M/S. AARTI INDUSTRIES LIMITED,

PLOT NO. Z/103/C, DAHEJ-SEZ-II,

TALUKA: VAGRA, DIST. BHARUCH, GUJARAT.

A. BACKGROUND OF STUDY:

This study includes cleaner production practices adopted by industry. This study mainly included for following processes:

- 1. Phenol recovery from DCP (Di-cholorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology.
- 2. DCA (2,5 Di-choloroaniline) recovery from distillation residue with the use of agitated thin film evaporator (ATFE).
- 3. Reuse of 70% concentrated H_2SO_4 by increasing the concentration of H_2SO_4 to 90% through series of evaporation.
- 4. Recovery of methanol from DCA obtained during 2, 5-DCA production.

B. Manufacturing process of DCA and DCP:

1. 2,5 DI- CHLORO ANILINE

Initially, 2, 5 Di-chloro nitrobenzene is reacted in an autoclave reactor with

Plot No. 87,91,92,96, Opp. Sarthe Township Kadodara Palsana Road, (NH-8), V. Sanki, Ta. Palsana, Surat-3943

Phone: 9979422749 | Email:emt.pse@gmail.com Website: www.pacific-soe.ac.in hydrogen gas in presence of metal powder catalyst to produce 2, 5 dichloro aniline. The reaction mixture contains solvent. The reaction is followed by catalyst filtration, solvent recovery, and layer separation and drying. Crude product is then subjected to flash distillation to get the pure product. Product is either sold as liquid or flakes depending on the market requirement.

Stochiometric reaction:

Di-chloro aniline:

	CHINOLE	+	3H; —	 C₀H,NH,Cl₂ 	•	2H_0
	0.02		0.62	0.05		0.62
Mol. Wt. (kg/kmol)	190		6	467		36 00
Feed (kg/hr)	118		4	100		22.32

2. 2,5 DI-CHLORO PHENOL:

Di Chloro aniline reacts with sulphuric Acid to form Di Chloro aniline sulphate. Di Chloro aniline sulphate reacts with mix acid to form diazo mass. Diazo mass reacts with dilute sulphuric acid to form crude Di Chloro Phenol. This reaction will generate N₂ gas and dilute sulphuric acid. This dilute sulphuric acid will be purified and concentrated for recycle purpose. Crude Di Chloro phenol separate out and distilled to get Di Chloro Phenol.

Stochiometric reaction:

Di-chloro phenol:

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PACIFIC SCHOOL OF NGINEERING, SURAT.

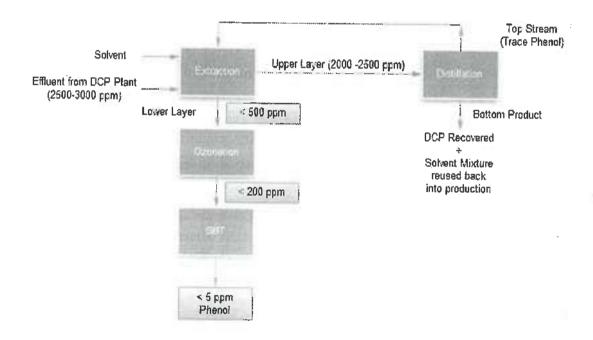
Page 2 of 10

C. KEY HIGHLIGHTS OF CLEANER PRODUCTION PRACTICES:

1. Phenol recovery from DCP(Di-cholorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology

Phenol Recovery through extraction followed by distillation:

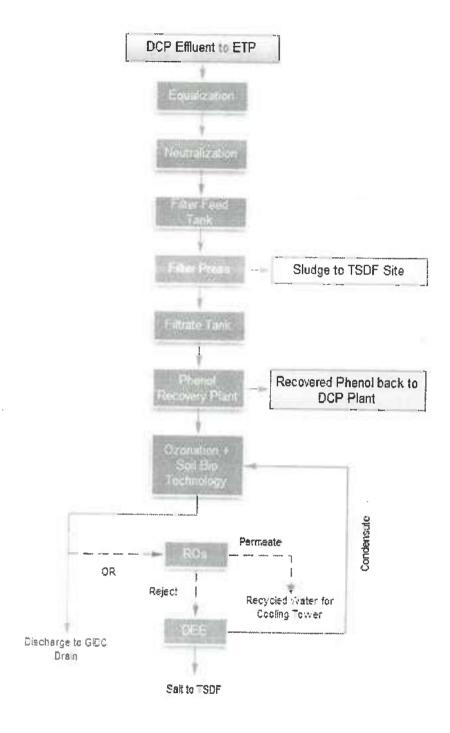
The phenol rich effluent is (2500-3000ppm) generated from the DCP (Di-cholorophenol) plant. The effluent is treated in the extraction column followed by the distillation column. The effluent is initially subjected to a distillation column to recover the phenol and bring down the phenolic content to<500ppm in the bottom of the column. The bottom of the Distillation Column i.e.recovered DCP+solvent mixture is reused back into the production. Top Stream is reused in Extraction Column.



Treatment of phenol by ozonation followed by soil-biotechnology:

Ozonation is followed by the Extraction to further reduce down the phenolic content to <200 ppm. The outlet of the ozonation chamber is subjected to SBT plant that works on biological processes where effluent passes through different stages so as to degrade the assay and breakdown of organic components. Here the effluent is subjected to a series of layers containing bio cultures attached to binding media followed by filtration systems so as to achieve the phenol content in the treated water <5 ppm.

The flowchart of effluent treatment is shown as below:

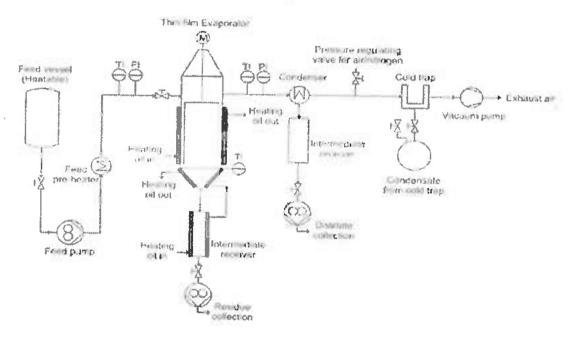


The aim of the Phenol recovery plant is to reduce the phenolic content from the DCP effluent (initial 2500-3000 ppm) by using solvent. Thus, in the vacuum distillation column followed by the atmospheric extraction column in the bottom part, they receive a 40:60 ratio as solvent: phenolic effluent. The recovered phenolic water is reused back into the process.

2. DCA (Di-choloroaniline) recovery from distillation residue with the use agitated thin film evaporator (ATFE)

The residue generated from distillation of crude product to obtain pure product DCA is further subjected to Agitated Thin Film Evaporator (ATFE) where product is agitated in vertical Thin Film Dryer (ATFD-V). It rotates in a precision-machined jacketed shell with desired evaporation temperature at different stages.

The feed is converted into a thin film layer which is intensely agitated due to action of the high-speed rotor. The feed material goes through phases of slurry, paste and wet powder, before coming out as a dry powder.



Previously distillation of crude product was done to obtain pure product DCA (Dicholoroaniline) and residue generated was disposed through hazardous waste management. After adopting this technology, they are able to recover the desired product with required purity which can be directly used in a DCP plant as a raw material. By this methodology they are able to minimize up to 70% hazardous waste residue and reduce the carbon footprint while going ahead with conservation of environment.

They use only In-house produced DCA in the manufacturing of DCP production.

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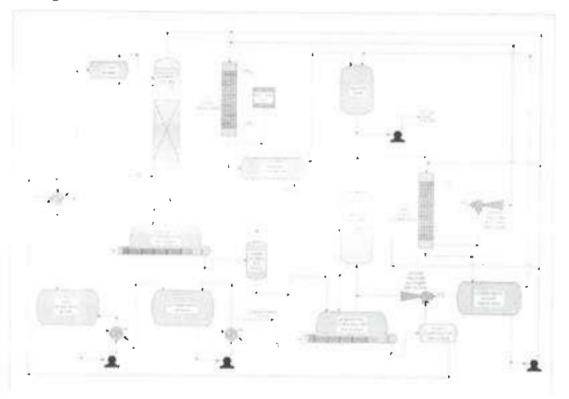
SURAT

Page 5 of 10

3. Reuse of 70% concentrated H_2SO_4 by increasing the concentration of H_2SO_4 by 90% through series of evaporation

In this process the concentration of H_2SO_4 is performed by the acid concentration units in 3 stages. The 90 % H_2SO_4 is used as raw material for the production of the DCP. Thus, the acid concentration plant is implemented for the concentration of H_2SO_4 from 70% to 90 %.

The Acid is fed into a flash vessel to stripping column where the mass is evaporated in 1st stage Evaporator. In this process the acid is concentrated by 80% from 70%. The 10% evaporation loss consists of organic contains which is recycled back in DCP (Di-cholorophenol) plant as well as aqueous contains which is reused back in the steam generation unit.



The 80% concentrated acid is transferred to the 2nd stage flash vessel where again it is evaporated in 2nd stage evaporator system. The Acid is concentrated up to 90% in this stage. The evaporated mass passed by the quenching column via 3rd stage condenser system. The condensed water is used back in the steam generation unit. In the 3rd stage the 90% H₂SO₄ is concentrated to 91-92% in the 3rd stage Vessel. The concentrated mass is transferred to the bleaching vessel by H₂O₂ in the intermediate vessel. The heating temperature in the flashing evaporator reaches 180°C. Where

the heat is used back in the initial flash vessel 1^{st} phase process using the high temperature H_2SO_4 back in flash vessel 1^{st} stage, the concentrated acid is sent for bleaching by H_2O_2 in bleaching vessel for the acid purity up to 90%.

In the NSA plant at stage-I, 70% concentrated H_2SO_4 is fed in the column where top Column temperature is approx 110°C where H_2O & DCP (1400-1500 ppm) vapor is generated and at the bottom of the column 80%-85% Concentrated H_2SO_4 is collected which is transferred to the Stage-II.

In Stage II 80-85% Concentrated H_2SO_4 is fed in the column where top column temperature is approx 60° C where the H_2O Vapor is generated and at the bottom of the column is 88% - 90% Concentrated H_2SO_4 is collected which was transferred to the Stage-III.

In Stage III 88%-90% Concentrated H_2SO_4 is fed in the column where Moisture Stripper is available to absorb the moisture and the bottom column is 90% - 92% Concentrated H_2SO_4 is collected which is transferred to the tank farm 1

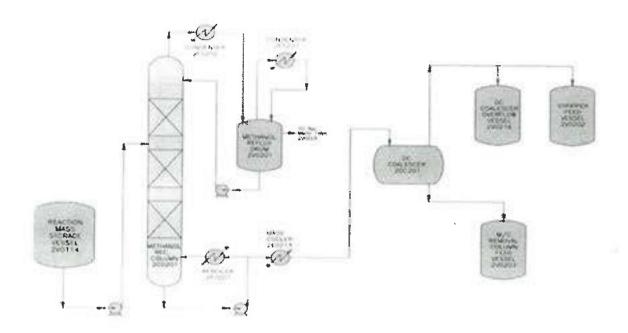
In this process, no emission was their whole process is in the close loop and the 90% - 92% Concentrated H_2SO_4 is further stored in the tank farm 1 whereas the H_2O collected in Stage I & II is also utilized in the plant for the Steam Generation and generated steam is returned to the DCP plant.

The Overall process is a continuous process in which it divided in two parts such as DCP crude product manufacturing (the fresh acid was consumed in this unit till the recovery process is started in SAC plant) and second is sulphuric acid concentration as a recovery of acid (SAC plant).

Only in the initial phase start-up of the process is required 2.98 Kg/Kg fresh H_2SO_4 is required to manufacture DCP crude (fresh consumption is up to 24 hours for the starting of the initial process). Afterward, the recovering process of Acid is started which is a continuous process, and in the end, the acid product is 90% H_2SO_4 which is a finished product.

4. Recovery of methanol from DCA obtained during 2,5-DCA production

Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is given as below:



Recovery of methanol from crude product (i.e., mixture of 2, 5 - DCA, methanol and water) is achieved by continuous distillation. In the distillation column, separation of components happens due to relative volatility. Here, a packed column is used for the recovery of methanol because it results in less pressure drop and the material separated is heat sensitive. The column is operated at atmospheric pressure. Methanol is obtained from distillate and collected in recovery vessel for further use in process.

The reaction mass storage vessel (2V0114) consists of solvent as media which is separated for the methanol recovery by distillation process in methanol recovery column (2C0201). To maintain the temperature as well as vapor equilibrium in the column further the methanol reflux process is done in the methanol reflux column via condenser system. The remaining methanol is transferred back to the recovered methanol recovery vessel.

The bottom product is processed for further separation units. Bottom of the distillation column is fed to DC Coalescer (Separation on different conductivity). It's a gravity settler work on basis of specific gravity and conductivity and separates two immiscible liquids into two separate layers. Water layer or top layer is separated and the bottom product is fed to the moisture removal column.

In the moisture removal column, material is dried as per product specifications. A continuous vacuum is maintained inside the column by means of a Liquid ring Vacuum System. Material is circulated through a heat exchanger. As pressure decreases in the drier boiling point of water is reduced and removed through condensers. The final product is obtained from the bottom of the column and stored in a specific storage tank.

D. <u>Product recovery, reduction in effluent and hazardous waste</u> generation:

	nol + DCP mixture Recovery (ex acity)	pected at full
1.	Phenoi recovery, kg/Day	6600 Kg/Day
2.	Effluent reduction, kg/Day	6600 Kg/Day
DCA	Recovery (expected at full capa	city)
1.	DCA recovery, kg/Day	1968 kg
2.	Residue reduction, kg/Day	1968 kg
1		
to 9	0%) -	
1.	Saving of H ₂ SO ₄ (against fresh consumption)	327 KL/Day
 2 	Saving of H ₂ SO ₄ (against fresh	327 KL/Day 100%
	Saving of H ₂ SO ₄ (against fresh consumption)	
	Saving of H ₂ SO ₄ (against fresh consumption) % Saving of fresh H ₂ SO ₄	
2	Saving of H ₂ SO ₄ (against fresh consumption) % Saving of fresh H ₂ SO ₄ consumption	100%
2	Saving of H ₂ SO ₄ (against fresh consumption) % Saving of fresh H ₂ SO ₄ consumption Acid reduction (for disposal),	100%
2	Saving of H ₂ SO ₄ (against fresh consumption) % Saving of fresh H ₂ SO ₄ consumption Acid reduction (for disposal), kL/Day	100%

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SURAT

E. Conclusion of the study:

- Out of total 180 kL/day effluent generation in a DCP production, the major COD contributing component, i.e., phenol recovered in the tune of 6.6 kL/day. Thus, 6.6 kL/day effluent load reduces and subsequently COD load is reducing.
- 2. DCA production resulting to generation of 5.04 MT residue as a hazardous waste. With the introduction of ATFE, 2.5 MT DCA recovered. Thus, 2.5 MT hazardous waste generation reduced. Now, industry has to dispose of 2.54 MT hazardous waste instead of 5.04 MT waste.
- 3. Industry is recovering 446.3 kL/day concentrated Sulphuric acid (70%) from DCP production. With the use of series of evaporation system, concentration of sulfuric acid increases to 90% and reutilized for the process. Thus, industry has reduced fresh consumption of 90% sulfuric acid (357 kL/day). Out of total 357 kL 90% sulfuric acid, 323 kL utilized for process and 34 kL sell to market.
- 4. In the manufacturing of DCA, generation of waste stream (12.398 kL/day) consist of mainly methanol. The methanol recovered in the tune of 5.998 kL/day and rest of (6.4 kL/day) treated in existing ETP. Industry is in process to recover traces of methanol from 6.4 kL/day waste stream.

NOTE: Conclusions are based on the detail provided by industry representative. The basis for certain calculations were done at 100 % operational capacity of products.

Date: 04/04/2022

Dr. Y. C. Rotliwala (Principal)	Dr. Yogesh Rotliwala Ph.D. (Chemical Engg.), Chemical Engineer	Carin
	Dr. Hiral Tailor Ph.D. (Chemistry), Chemist	Cal Cu
	Dr. Himanshu Patel Ph.D. (Chemistry), Chemist	H.D. PSJ
	Ms. Nidhi Halbe M.E. (Env.Engg.), Environmental Engineer	(AP)

PRAKASH K. MAJMUDAR MEMBER SECRETARY



ANNEXURE-24 STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT **AUTHORITY GUJARAT**

No. SEIAA/GUJ/EC/5(f)/ 1 92

Date:

1 4 FEB 2023

ByRPAD

Time Limit Sub: Environment Clearance to M/s. Aarti Industries Ltd (Unit II). for setting of expansion of manufacturing plant of 'Synthetic Organic Chemicals' at Plot No. Z/103/C, GIDC Notified Industrial Estate, SEZ-II, Dahej-392130, Taluka

Vagra, Dist. Bharuch. In Category 5(f) of Schedule annexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ/IND3/68290/2017.

Dear Sir.

SEIAA (GUJARAT)

This has reference to your application along with EIA report dated 08/03/2022 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance to M/s. Aarti Industries Ltd (Unit II), for setting of expansion of manufacturing plant of 'Synthetic Organic Chemicals' at Plot No. Z/103/C, GIDC Notified Industrial Estate, SEZ-II, Dahej-392130, Taluka Vagra, Dist. Bharuch. It is an existing unit for manufacturing following products, which falls in the category -5(f) of the schedule of the EIA Notification-2006:

				Quantity in																	
Sr. No.	Product Name	CAS No.	As per Existi ng EC	As Per CCA Amendment No. AWH-113931 & AWH-113932	Proposed Change / Additional	Total After Expansion	End Use of Product														
A	Organic Chemicals		•																		
l	Hydrogenation Proc	ducts & the	ir derivati	ves (43200 MT/Ann	um)	,															
1.	2,5 Di Chloro Aniline (2,5 DCA) And/Or	95-82-9	21780																		
2.	2,5 Di Chloro Aniline (Crude) (2,5 DCA) And/Or	95-82-9																			
3.	3,4 Di Chloro Aniline (3,4 DCA) And/Or	95-76-1				 															
4.	3,4 Di Chloro Aniline (Crude) (3,4 DCA) And/Or	95-76-1																			
5.	3,5 Di Chloro Aniline (3,5 DCA) And/Or	626-43- 7					Dyes, Dye intermediates														
6.	3,5 Di Chloro Aniline (Crude) (3,5 DCA) And/Or	626-43- 7	0	0	0	0	0	21780 21420 43200 int		21420	43200	Basic pharma intermediates, Pigments,									
7.	Para Chloro Aniline (PCA) Either/Or	106-47- 8								0	0	0	0	0	0	0	0	1			Polymer
8.	Para Chloro Aniline (Crude) (PCA) And/Or	106-47- 8																			
9.	2,4,5 Tri Chloro Aniline (2,4,5 TCA) And/Or	636-30- 6																			
-10. Pa _{(r})	2,4,5 Tri Chloro Aniline (Crude) (2,4,5 TCA) And/Or	636-30- 6																			
ÅA	24 Di Chloro Aniline (2,4 DCA)/2,6 Di Chloro Aniline (2,6 DCA) And/Or	554-00- 7/ 608-31- 1	-																		

Office: Gujarat Pollution Control Board, "Paryavaran Bhavart" Sector-10 A, Gandhinagar-382010 Page 1 of 12

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A+B	Total of Organic and		85620	141720	95772	237492	
В	Total of Inorganic (Chemicals	45840	101940	69972	171912	
2)	Sulphuric Acid (Above 90% Concentration)	7664- 93-9	28200	31320	56592	87912	Used in chemical industry for production of basic synthetic organic chemicals
1)	25-40 % Nitrosyl Sulphuric Acid	7782- 78-7	17640	70620	13380	84000	Used in organic chemistry to prepare diazonium salts from amines
В			Inorgani	c Chemicals			
A	Total of Organic Ch	nemicals	39780	39780	25800	65580	15
5)	Crude of 3,5 Di Chloro Nitro Benzene	618-62- 2	0	0	2400	2400	intermediates, Pigments, Polymer
4)	3,5 Di Chloro Nitro Benzene (3,5 DCNB) And/Or	618-62- 2	0	2400	0		Dyes, Dye intermediates, Basic pharma
3)	Crude of 2,5/2,3 DCP	583-78- 8/ 576- 24-9	0	0	19980		used as a raw material for chemical intermediate.
2)	2,3 Di Chloro Phenol (2,3 DCP) And/Or	576-24- 9	0	15600	4380	19980	the manufacture of more complex chemical compounds. It will be
1)	2,5 Di Chloro Phenol (2,5 DCP) And/Or	583-78- 8	18000	15000	4390		Di chloro phenols are used as intermediates in
II	Diazotization Produ	ucts & their	derivatives	s (22380 MT/Annu	ım)		
15.	3-Chloro Ortho Toluidine (Crude) (3-COT)	87-60-5					
14.	3-Chloro Ortho Toluidine (3-COT) And/Or	87-60-5		U	43200		
13.	2,4 Di Chloro Aniline (2,4 DCA) (Crude)/2,6 Di Chloro Aniline (Crude) (2,6 DCA) And/Or	554-00- 7/ 608-31- 1		o	43200		
12.	Mixture Di Chloro Aniline And/Or	Multiple 554-00- 7 & 95-82-9 & 608-31-					

The project activity is covered in 5(f) and is of 'B' Category. Since, the proposed project is located in notified industrial area, public consultation is not required as per paragraph 7(i) (III) (i) (b) of the Environment Impact Assessment Notification-2006.

The SEAC, Gujarat vide their letter dated 23/01/2023 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on 19/12/2022. The proposal was considered by SEIAA, Gujarat in its meeting held on 06/02/2023 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following conditions.

A.CONDITIONS:

A.1SPECIFIC CONDITION:

- 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) & Whichever (Air emission & Effluent discharge) is applicable].
- 2. Close loop solvent recovery system with adequate condenser system shall be provided to recover solvent vapours in such

- a manner that recovery shall be maximum and recovered solvent shall be reused in the process within premises.
- Leak Detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR Logbooks shall be maintained.
- 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.
- 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.
- Unit shall have to adhere to the prevailing area specific policies of GPCB with respect to the discharge of pollutants, and shall carry out the project development in accordance & consistence with the same.
- 7. All measures shall be taken to avoid soil and ground water contamination within premises.

Safety & Health:

- a. PP shall obtain PESO permission for the storage and handling of hazardous chemicals.
- PP shall provide Occupational Health Centre (OHC) as per the provisions under the Gujarat Factories Rule 68-U.
- c. PP shall obtain fire safety certificate / Fire No-Objection certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.
- d. Unit shall adopt functional operations/process automation system including emergency response to eliminate risk associated with the hazardous processes.
- e. PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.
- PP shall install adequate fire hydrant system with foam trolley attachment within premises and separate storage of f. water for the same shall be ensured by PP.
- g. PP shall take all the necessary steps for control of storage hazards within premises ensuring incompatibility of storage raw material and ensure the storage keeping safe distance as per the prevailing guidelines of the concerned authority.
- h. PP shall take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker/employee or labour within premises.
- İ. Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.
- Unit shall provide effective Isolation for Process area and storage of hazardous chemicals.
- Unit shall provide water sprinkler to the ammonia storage cylinder.
- Unit shall never store drum/barrels/carboys of incompatible material/chemical together.
- Unit shall provide effective fire hydrants, water monitors & foam application system at solvent storage area and unit shall provide adequate safety system such as water sprinklers, water curtains, foam pouring system etc. to restrict cascade fire emergency in solvent storage area.
- Unit shall provide effective Isolation for Process area and storage of hazardous chemicals.

Space Asses

Total water requirement for the project shall not exceed 2433 KLD. Unit shall reuse 438 KLD of treated industrial effluent within premises. Hence, fresh water requirement shall not exceed 1995 KLD and it shall be met through GIDC water supply only. Prior permission from concerned authority for withdrawal of water shall be obtained.

- 10. The industrial effluent generation from the project shall not exceed 359 KLD after expansion.
- 11. Management of Industrial effluent shall be as under after expansion:
 - 255 KLD effluent generated (197 KLD from Process, 25 KLD from Scrubbers and 33 KLD from washing) shall be treated into in-house ETP plants (ETP - 1 & ETP - 2) and shall be taken into tertiary ETP.
 - 193 KLD effluent (164 KLD from Cooling Blow Down and 29 KLD from Boiler Blow Down) shall be treated into inhouse ETP plant (ETP - and RO plant, RO reject (104 KLD) and shall be treated in tertiary treatment.
 - Thus total 359 KLD treated Effluent shall be discharge into CETP- Dahej after complying with the inlet norms of CETP prescribed by GPCB and ultimately disposal in to the sea through GIDC drainage pipeline.
- 12. Domestic wastewater generation shall not exceed 57 KL/day for proposed project and it shall be treated in STP. It shall not be disposed off into soak pit. Treated sewage shall be utilized for gardening and plantation purpose within premises after achieving on-land discharge norms prescribed by the GPCB.
- 13. During monsoon season when treated sewage may not be required for the plantation / Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case.
- 14. Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.
- 15. Unit shall discharge wastewater to CETP only after complying with norms prescribed by GPCB in order to achieve no adverse impacts on Environment and Human Health.
- 16. The PP shall ensure to dispose off Waste water to the Common Facilities having valid CTO of GPCB.
- 17. Treated waste water shall be sent to CETP- Dahej only after complying with the inlet norms of common facilities prescribed by GPCB to ensure no adverse impact on Human Health and Environment.
- 18. The unit shall provide metering facility at the inlet and outlet of ETP and maintain records for the same.

Office: Gujarat Pollution Control Board, "Paryavaran Bhavart" Sector-10 A, Gandhinagar-382010 Page 3 of 12

Phone No.:- (079) 232-32152,232-41514 Fax No.:-(079) 232-22784 E-mail: msseiaagi@gmail.com, Website:- www.seiaa.gujarat.gov.in Proper logbooks of ETP; reuse/ recycle of treated/ untreated effluent; chemical consumption in effluent treatment; quantity
 quality of treated effluent; power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.

A.3AIR:

20. Unit shall not exceed fuel consumption for Steam Boilers and D G Sets as mentioned below.

Sr. No.	Stack Attached to	Stack Height in meter	Fuel Consumption	Air Pollution Control System
		Exis	ting	-
1	D.G. Set (3 Nos.) Capacity: 2000 KVA each	33	Diesel 1800 L/Hr	Stack with 33 m Height
		Proposed Ad	ditional Total	
1	D.G. Set (1 Nos.) Capacity: 2000 KVA each	33	HSD 600 L/Hr	Stack with 33 m Height
2	D.G. Set (2 Nos.) Capacity: 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 m Height
3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubber (Lime Dosing along with coal) + ESP
	1	otal After Prop	osed Expansion	
1	D.G. Set (4 Nos.) Capacity: 2000 KVA each	33	HSD 2400 L/Hr	Stack with 33 m Height
2	D.G. Set (2 Nos.) Capacity: 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 m Height
3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubber (Lime Dosing along with coal) + ESP

Note:At present, 30 TPH steam is being taken from M/s. Aarti Industries Limited (Unit-I), SEZ-II, Dahej (ID: 41201) and after proposed expansion 70 TPH steam shall be taken from sister concern unit M/s. Aarti Industries Limited (Unit-I), SEZ-II, Dahej (ID: 41201)

- 21. Unit shall provide adequate APCM with flue gas generation sources to achieve the norms prescribed by GPCB.
- 22. Unit shall provide adequate APCM with process gas generation sources as mentioned below.

Stack No.	Stack attached to	Stack Air Pollution Height in Measure Meter (APCM)		Parameter	Permissible limit						
	Existing As per CCA- AWH -113931										
1	Scrubber connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	30	Alkali scrubber	Acid mist/Sulphur trioxide (For Plant Capacity per 100% Concentration of Sulphuric acid (<300 Tone/Day)	1250 mg/nm ³ (2 kg/MT of 100% conc. acid production) 70 mg/Nm3						
2	Scrubber connected to NSA	11	Alkali scrubber	SO ₂	40 Mg/Nm ³						
3	Scrubber connected to DCP	11	Alkali scrubber	NO _X	25 Mg/Nm ³						
4	Scrubber connected to tanks	11	Alkali scrubber	voc							
5	Scrubber connected to tanks	11	Alkali scrubber	voc							
6	Common Alkali scrubber for SO2 Tank farm	11	Alkali scrubber	SO2	40 mg/Nm3						
7	DCA Plant vacuum pump storage tank	11	Water Scrubber	voc							
8	HNO3 Tank	11	3 stage Lime Scrubber	NOx	25 Mg/Nm ³						
9	Liq SO3 and 25% Oleum tank	11	Acid Scrubber	SO2	40 mg/Nm3						
10	Sulphuric Acid Concentration Plan (SAC)	11	Alkali spray Scrubber	SO2 VOC	40 mg/Nm3						



Office: Gujarat Pollution Control Board, "Paryavaran Bhavari" Sector-10 A, Gandhinagar-382010 EC Identification No. - EC23B021GPhone 18: 476 No. -
11	DCP Plant: DCA Sulphate Vent	Vent 11 scrubb		SO2 VOC	40 mg/Nm3 					
Proposed Total After Expansion										
1	Scrubber connected to Sulphur Dioxide reaction and Sulphuric Acid Plant	30 (Common stack)	Alkali scrubber	Acid mist/Sulphur trioxide (For Plant Capacity per 100% Concentration of Sulphuric acid (<300 Tone/Day)	1250 mg/nm ³ (2 kg/MT of 100% conc. acid production) 70 mg/Nm3					
2	Scrubber connected to NSA		Alkali scrubber	SO₂	40 Mg/Nm ³					
3	Scrubber connected to DCP	11	Alkali scrubber	NO _X	25 Mg/Nm ³					
4	Scrubber connected to tanks	11	Alkali scrubber	voc						
5	Scrubber connected to tanks	11	Alkali scrubber	voc	-					
6	Common Alkali scrubber for SO2 Tank farm	11	Alkali scrubber	SO2	40 mg/Nm3					
7	DCA Plant vacuum pump storage tank	11	Water Scrubber	voc	_					
8	HNO3 Tank Farm	11	3 Stage Alkali Scrubber	NOx	25 Mg/Nm ³					
9	Liq SO3 and 25% Oleum tank	11	Acid Scrubber	\$O2	40 mg/Nm3					
10	Sulphuric Acid Concentration Plan (SAC)	11	Alkali spray Scrubber	SO2 VOC	40 mg/Nm3 					
11	DCP Plant: DCA Sulphate Vent	11	Ventury water scrubber	SO2 VOC	40 mg/Nm3 					
12	DCP Drum Filling Scrubber	11	Alkali Scrubber	VOC	-					

23. PP shall use approved fuels only as fuel in boilers and D.G.Set.

24. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety& Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.

- Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular
- Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
- A green beit shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.
- 25. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
- 26. For control of fugitive emission, VOCs, following steps shall be followed:
 - a. Closed handling and charging system shall be provided for chemicals.
 - Reflux condenser shall be provided over Reactors / Vessels.
 - c. Pumps shall be provided with mechanical seals to prevent leakages.
 - d. Air borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.
- 27. Solvent management shall be carried out as follows:
 - Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvents shall be minimum. All venting equipment shall have vapour recovery system
 - Reactor shall be connected to adequate chilling system to condensate solvent vapors and reduce solvent losses.
 - Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
 - The condensers shall be provided with sufficient HTA and residence time so as to achieve maximum solvent recovery.
 - Solvents shall be stored in a separate space specified with all safety measures.
 - Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
 - Solvent storage and handling area shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
- 28. Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx, and VOCs shall be carried out in the impact

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zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

A.4 SOLID / HAZARDOUS WASTE:

29. All the hazardous/ solid waste management shall be taken care as mentioned below.

e-				Quantity in MT/Year Except for Batteries in Nos.				
Sr. No	Name of Hazardous Waste	Category	Source of Waste Generation As per EC CCA Proposed Change / Additiona CExpans ion	Hazardous Waste Disposal & Management Facility				
1.	ETP Waste	35.3	From ETP	4800	4800	3376	8176	Collection, Storage, Transportation and Disposal to TSDF/Co-processing.
2.	Distillation Residue	26.1	From Process	4200	4074.48	6045.52	10120	Collection, Storage, Transportation Disposal at CHWIF/Pre-processing/Co- processing.
3.	Gypsum	B2080	-	7200	7200	-7200	0	NA Discontinue
4.	Sulphur Sludge	B2040	From Process	84	84	488	572	Collection, Storage, Transportation, Disposal at TSDF/CHWIF/Co- processing.
5.	Discarded Containers/B ags	33.1	From Plant	Whatsoe ver Generate d	Whatsoe ver Generate d	100	100	Collection, Storage, Decontamination, Transportation, Disposal by sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/Containers to TSDF/CHWIF/Pre- processing/Co-processing
6.	Used Oil	5.1	From Plant	6	6	24	30	Collection, Storage, Transportation, Disposal by selling to registered reprocessors.
7.	Insulation waste	S 1	From Plant	Whatsoe ver Generate d	Whatsoe ver Generate d	40	40	Collection, Storage, Transportation, Disposal by at TSDF Site
8.	No recyclable plastic waste/PPE Waste/Bags/ Cotton Waste	S4	From Plant	25	25	35	60	Collection, Storage, Decontamination, Transportation, Disposal by sold to authorize recyclers or Collection, Storage, Transportation, Disposal of Contaminated Bags/Containers to TSDF/CHWIF/Pre- processing/Co-processing.
9.	Spent Carbon	36.2	From Process	60	60	60	120	Collection, Storage, Transportation, sent for co- processing/Pre- processing/TSDF/CHWIF
10.	Spent Catalyst	I-26.5	From Process	3.6	3.6	13.68	17.28	Collection, Storage, Transportation sent for regeneration and recycled back or Disposal to TSDF
11.	MEE/ DEE/ATFD Salt (Sodium Sulphate)	35.3	From Process	1260	1260	565	1825	Collection, Storage, Transportation & sold to authorized actual end users having Rule 9 permission or TSDF.

12.	Spent Sulphuric Acid	B-15 Schedule- II	From Process	o	0	12745	12745	Collection, Storage, Transportation & sold to authorized actual end users having Rule 9 permission or use internally as raw material.
13.	Spent Sulphuric Acid	26.3	From Process	0	0	110568	110568	Reception, Storage, Transportation utilization internally as raw material.
14.	Spent Resin	35,2	From Process	0	0	5	5	Collection, Storage, Transportation, sent for co- processing/ Pre-processing /TSDF/ CHWIF
15.	RO Membrane/ Cartridge Filter	36.2	From RO Unit	0	5	5	10	Collection, Storage, Transportation disposal by at TSDF Site
16.	Filter Cloths	36.2	From Unit	0	5	5	10	Collection, Storage, Transportation disposal by at TSDF/CHWIF.
17,	Cotton Waste	33.2	From Unit	1	. 1	4	5	Collection, Storage, Transportation, disposal at TSDF/CHWIF
18.	Glass Wastes	S 7	From Plant	2	2	3	5	Collection, Storage, Transportation, disposal / sold to scrap processors
19.	PPE Waste	33.2	From Plant	0	0	40	40	Collection,Storage,Transport ation,and disposal at Common TSDF OR CHWIF

- 30. Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.
- 31. Unit shall explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of Incinerable & land fillable wastes before sending to CHWIF & TSDF sites respectively.
- 32. The project proponent has to obtain membership of TSDF site & CHWIF before obtaining CTO of GPCB.
- ষ্ট্3. The unit shall submit the list of authorized end users of hazardous wastes along with MoU signed with them at least two months in advance prior to the commencement of production. In the absence of potential buyers of these items, the unit shall restrict the production of the respective items.

A. 5OTHER:

- 34. The project proponent shall carry out the activities of amount of Rs. 0.87 Crores (Funds for Environment & Renewable energy resources, Health & Hygiene) proposed under CER and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's QM no. F. No. 22-65/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.
- 35. All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. ENPRO Enviro Tech and Engineers Pvt. Ltd. and submitted by the project proponent and commitments made during presentation before SEAC and proposed In the EIA report shall be strictly adhered to in letter and spirit.

B.GENERAL CONDITIONS:

B.1 CONSTRUCTION PHASE:

- 36. Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction
- 37. Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.
- 38. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
- 39. First Aid Box shall be made readily available in adequate quantity at all the times.
- 40. The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.
- 41. Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the

Office: Gujarat Pollution Control Board, "Paryavaran Bhavari" Sector-10 A, Gandhinagar-382010 Page 7 of 12

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- ambient air and noise quality shall be closely monitored during construction phase.
- 42. Use of Diesel Generator (DG) sets during construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.
- 43. Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.
- 44. All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project
- 45. Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.
- 46. Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete [RMC] and lead free paints in the project.
- 47. Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act. 1986 and its subsequent amendments from time to time.
- 48. "Wind breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. Individual building within the project site shall also be provided with barricades.
- 49. "No uncovered vehicles carrying construction material and waste shall be permitted."
- 50. "No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured."
- 51. Roads leading to or at construction site must be paved and blacktopped (i.e. metallic roads).
- 52. No excavation of soil shall be carried out without adequate dust mitigation measures in place.
- 53. Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.
- 54. Grinding and cutting of building materials in open area shall be prohibited.
- 55. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
- 56. Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measure be notified at the site. (If applicable).

B.2 OPERATION PHASE:

- 57. The water meter shall be installed and records of daily and monthly water consumption shall be maintained.
- 58. All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.

B.2.2 AIR:

- 59. In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.
- 60. Acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.
- 61. Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.
- 62. Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.
- 63. All the reactors / vessels used in the manufacturing process shall be closed to reduce the fugitive emission.

B.2.3 HAZARDOUS/SOLID WASTE:

- 64. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
- 65. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
- 66. The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)
- 67. Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.
- 68. The design of the Trucks/tankers shall be such that there is no spillage during transportation
- 69. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.
- 70. Management of fly ash (If any) shall be as per the Fly ash Notification 2009 & its amendment time to time and it shall be

Office: Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010

ensured that there is 100% utilization of fly ash to be generated from the unit.

B.2.4 SAFETY:

- 71. The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963
- 72. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
- 73. Main entry and exit shall be separate and clearly marked in the facility.
- 74. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.
- 75. Storage of flammable chemicals shall be sufficiently away from the production area.
- 76. Sufficient number of fire extinguishers shall be provided near the plant and storage area.
- 77. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
- 78. All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.
- 79. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.
- 80. Only flame proof electrical fittings shall be provided in the plant premises.
- 81. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.
- 82. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.
- 83. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
- 84. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.
- 🗞 Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
- First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
- H: Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
- 88. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
- 89. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
- 90. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.
- 91. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.

B.2.5 NOISE:

92. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

CLEANER PRODUCTION AND WASTE MINIMISATION:

- 93. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.
- 94. The company shall undertake various waste minimization measures such as :
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw materials substitutes.
 - c. Use of automated and close filling to minimize spillages.
 - d. Use of close feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for cleaning to reduce wastewater generation.
 - g. Recycling of washes to subsequent batches.
 - h. Recycling of steam condensate.
 - Sweeping / mopping of floor instead of floor washing to avoid effluent generation.

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Page 9 of 12

j. Regular preventive maintenance for avoiding leakage, spillage etc.

B.2.7 GREEN BELT AND OTHER PLANTATION:

- 95. The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.
- 96. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.
- 97. The PP shall develop green belt within premises ((Greenbelt within premises: 10367.85m2 (18.92 %) + Boundary Side Greenbelt: 2120.84 m2 (3.86 %), Out side Greenbelt: (In Luvara village located at 0.9 km from the Project site): 5700 m2 (10.22 %) i.e Total: 18188.69 m2 (33.18 %) of the total plot area) as per the undertaking submitted before SEAC. Green belt shall be developed with native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB.

B.3 OTHER CONDITION:

- 98. Project Proponent shall provide mechanism/ System for wastewater stream segregation at source and strictly follow up to treatment and final disposal of the same if applicable.
- 99. The projects covered under category 5(f) shall undergo the safety and environment audit regularly as per the standards laid down by the GPCB and CPCB.
- 100.PP shall carry out the safety audit and Risk Assessment Report as per the prevailing guidelines of safety.
- 101.Management of Fly Ash shall be as per the Fly Ash Notification 2009 & its amendment from time to time and it shall be ensured that there is 100 % utilization of fly ash to be generated from the unit.
- 102.EMP should invariably include provisions for environmental Monitoring and measures for noise pollution control measures.
- 103.In EMP proponent should seperately indicate majors of occupational health, fire and safety measures.
- 104.Prior EC is granted is subject to the proponent receiving all statutory permission / clearances / certificates and membership of respective agencies / authorities which ever applicable. Proponent shall inform progress from time to time, in monthly compliance report to MOEFCC / SEIAA / SEAC/ GPCBfailing to which this provisional EC will stand withdrawn.
- 105. Wherever waste water or chemical water to be collected by tankers and transported to CETP etc. any diversity and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law.
- 106.All transport movement by tankers etc has to be done with maintenance of gate pass and logbook it should be verified the inspecting authorities.
- 107.Non-hazardous waste data shall be informed to GPCB time to time so as to make an assessment and tie-up with industry for generating sustainable power from the waste.
- 108.All chemical pharma industry etc. should ensure predictive and preventive maintenance of factory / boiler and reactive show as to avoid incident of fire and safety hazards.
- 109.EMP should include STP and detail cost including maintenance, transportation of waste water to CETP / CMEE etc as well as transportation cost or transit cost.
- 110.In LDAR preventive and predictive maintenance plan.
- 111.In LDAR leakage component, source of equipment leak, detention method should be given in table form.
- 112. In storage component should be shown separately in terms whether inflammable, toxic, corrosive, reactive etc.
- 113.In case of Fly Ash generation its management and disposal should be as per Government of India Notification and 100 % utilization should be ensured.
- 114.Project proponent shall install all environment management systems as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.
- 115. Project proponent shall display the copy of Environment Clearance at the site prominently.
- 116. Project proponent shall prepare and follow regular and preventive maintenance plan. The copy of same shall be submitted to SEIAA.
- 117. Project Proponent will have to display the safety procedure in working area.
- 118. The project proponent shall obtain all required permissions for safety, health and fire from competent authorities like PESO/Fire Authority etc. and intimate SEIAA.
- 119.Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP / TSDF / CHWIF / CMEE / Common Spray Dryer as the case may be.
- 120. Extra care will be taken by PP to avoid any accidental blast in boiler, reactor or any machinery in the plant.
- 121. Environment monitoring, training and disaster management plan should be undertaken and complied at regular interval.
- 122.Integrated Regional Office of MoEF&CC,Gandhinagar and GPCB will monitor all environment, safety & health norms as per the prevailing rules.
- 123. The PP has to maintain the logsheets / registers / manifest / gate pass for discharge through tankers and SCADA system for pipeline discharge for the waste water generation and its disposal data and submit to the GPCB every quarter. GPCB

Office: Gujarat Pollution Control Board, "Paryavaran Bhavari" Sector-10 A, Gandhinagar-382010 EC Identification No. - EC23B021G ያላማ 5 ነው። ተጠሪካ 32 ያለታይህ 2435 ወይታ መልተው (1798 02 ፲፫ 27 84/02/2023 E-mail: msseiaagi@gmail.com, Website:- www.seiaa.gujarat.gov.in

- shall verify the same on regular basis and inform SEIAA and take leagal action in the cases of non compliance.
- 124.Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Pharmaceutical and Chemical industries mentioned at (Sr. no. XX),
- 125. The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.
- 126. Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.
- 127. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.
- 128.Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.
- 129. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
- 130.All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.
- 131. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.
- 132. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
- 133. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
- 134. During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.
- 135. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.
- 136. Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.
- ক্রী37.No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
- 138. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- 139. The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.
- 140. The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.
- 141. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- 142. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
- 143.It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
- 144. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act,
- 145. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
- 146. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found

Office: Gujarat Pollution Control Board, "Paryavaran Bhavart" Sector-10 A, Gandhinagar-382010 Page 11 of 12

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EC Identification No. - EC23B021GJ111578 File No. - SIA/GJ/43503/2022 Date of Issue EC - 15/02/2023

Page 12 of 13

satisfactory.

- 147. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.
- 148. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- 149. This environmental clearance is valid for Ten years from the date of issue.
- 150.Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- 151. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.

B.4 COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION/APPEAL:

- 152. Project proponent shall submit Certified Compliance Report of IRO, Gandhinagar for Existing EC obtained Within 10 days.
- 153. Project proponent shall inform to all the concerned authorities including Municipal Corporation and District Collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.
- 154. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.
- 155.Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.
- 156. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions,
- 157. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the Environment Clearance accorded.
- 158. Any person including the project proponent affected by this Environment Clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.
- 159.All complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagj@gmail.com& (b) seacgujarat@gmail.com

(PRAKASH K. MAJMUDXR) Member Secretary

Issued to:

M/s. Aarti Industries Ltd (Unit II). Plot No. Z/103/C, GIDC Notified Industrial Estate, SEZ-II, Dahej-392130. Taluka Vagra, Dist. Bharuch

Copy to:-

- The Secretary, SEAC, C/O, G.P.C.B. Gandhinagar 382010.
- 2. The Additional Chief Secretary, Forests & Environment Department, Govt. of Gujarat, Block 14, 8th floor, Sachivalaya, Gandhinagar-382010.
- The Chairman, Central Pollution Control Board , Parivesh Bhavan, CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032
- Scientist C, Integrated Regional Office, Ministry of Environment and Forests, Aranya Bhavan, Sector-10, Gandhinagar -
- Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
- The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010 Salact [

Signature Not Verified Digitally signed by Shri Prakash K.

Maimudar

Office Toujarat Pollution Control Board, "Paryavaran Bhavart" Sector-10 A, Gandhinagan 22/105/2028 40 249630 AM EC Identification No. - EC23B021G. Photo 180:- HINF 190232S121621/213543/21022Fax Date of 1509 up EQ278 102/2023



AIL/DHJ/DIA/2023/ENV/027

ID :- 58381 Date:24.11.2023

To, The Member Secretary, Gujarat Pollution Control Board, Gandhinagar-382010

Subject: Half Yearly Environment Clearance conditions compliance report for the period of April -2023 to September-2023.

Reference:- Environment Clearance letter no SEIAA/GUJ/EC/5(f)/192/2023 dated 14/02/2023

Respected Sir,

With reference to the subject cited above, we are enclosing herewith the compliance report (monitoring period April 2023 to September 2023) as per condition number **143** as mentioned in environment clearance letter No.<u>SEIAA/GUJ/EC/5(f)/192/2023</u> dated 14/02/2023 for our project 'Synthetic Organic Chemicals' by M/s. Aarti Industries Limited Plot No. Z/103/C, Dahej SEZ-II, Tal. Vagra, Dist. Bharuch, Gujarat.

Thanking You

Yours faithfully,

For Aarti Industries Limited

Authorized Signatory

Encl: EC Compliance with Annexures.

COPY TO:

- 1) Copy to be uploaded in the PARIVESH site.
- 2) The Regional Director, Central Pollution Control Board, Vadodara (Through E-Mail)
- Deputy Director General of Forest (Central)Integrated Regional Office Gandhinagar, MOEF & CC, Gandhinagar (Through E-Mail)

Compliance report of Environmental Clearance File No. SEIAA/GUJ/EC/5(f)/192/2023 Dated. 14/02/2023, Apr-23 to Sept-2023

				Quantity in 1	MT/Annum				
Sr. No	Product Name	CAS No.	As per Existing EC	As per CCA Amendment No. AWH-113931 & AWH-113932	Proposed Change/A dditional	Total After Expansion	End Use of Product		Status
A	Organic (Chemicals	S						
I	Hydrogen	ation Pro	ducts & 1	their Derivatives	s (43200 MT	/Annum)			
1	2, 5 Dichloro Aniline (2,5 DCA) And/Or	95-82-9	21780						
2	2. 5 Dichloro Aniline (Crude) (2,5 DCA) And/Or	95-82-9					Dyes, Dye Intermediates	Month Apr, 23	Production (MT) 2, 5 Dichloro Aniline 609.949
	3,4 Di			21780	21420	43200	, Basic Pharma	May, 23	80.34
	Chloro Aniline			21/80	21420	43200	intermediates	Jun, 23	81.347
3	(3,4	95-76-1					, Pigments, Polymer	Jul, 23	383.478
	DCA)							Aug,23 Sep,23	129.354 621.758
4	And/Or 3,4 Dichloro Aniline (Crude) (3,4 DCA) And/Or	95-76-1	0						s qty is under prescribed limits.
5	3,5 Dichloro Aniline (3,5 DCA)	626-43- 7							

	And/Or					
	3,5 Dichloro Aniline	626-43-				
6	(Crude) (3,5 DCA) And/Or	7				
7	Para Chloro Aniline (PCA) Either/Or	106-47-				
8	Para Chloro Aniline (Crude) (PCA) And/Or	106-47-				
9	2,4,5 Tri Chloro Aniline (2,4,5 TCA) And/Or	636-30-				
10	2,4,5 Tri Chloro Aniline (Crude) (2,4,5 TCA) And/Or	636-30-				
11	2,4 Di Chloro Aniline (2,4 DCA)/2, 6 Di	554-00- 7/608-3				
	Chloro Aniline (2,6 DCA) And/Or	1-1				

12	Mixture of Di Chloro Aniline And/Or	Multiple 554-00-7 & 95-82-9 & 608-31-1							
13	2,4 Di Chloro Aniline (2,4 DCA)(Cr ude)/2,6 Di Chloro Aniline (Crude)(2,6 DCA) And/Or	554-00- 7/ 608-31- 1		0	43200				
14	3-Chloro Ortho Toludine (3-COT) And/Or	87-60-5							
15	3- Chloro Ortho Toludine (Crude) (3-Cot)	87-60-5							
II	Diazotiza	tion Prod	ucts & th	eir derivatives (2	22380) MT/A	Annum)			
	2,5 Di Chloro						Di Chloro Phenols are	Complied	
1	Phenol	583-78-	18000				used as intermediat	Month	Production (MT)
	(2,5 DCP)	8	10000				es in the		2, 5 Dichloro Phenol
	And/Or						manufactur e of more	Apr, 23	380.578
	2.2 D:			15600	4380	19980	complex chemical	May, 23	5.8
	2,3 Di Chloro						compounds.	Jun, 23	0
2	Phenol	576-24-	0				It will be used as a	Jul, 23 Aug,23	18.6
	(2,3 DCP)	9					raw material for	Sep,23	236.6
	And/Or						chemical		e under prescribed limits.
							intermediat		1

3	Crude of 2,5/2,3	583-78- 8/ 576- 24-9	0	0	19980		es.			
4	3,5 Dichloro Nitro benzene (3,5 DCNB) and/Or	618-62-	0	2400	0		Dyes, Dyes intermediat es, Basic			
5	Crude 3,5 Dichloro Nitro benzene (3,5 DCNB) and/Or	618-62-	0	0	2400	2400	Pharma, Intermediat es, Pigments, Polymers			
A	Total of Chemic	_	39870	39780	25800	65580				
					Inorg	anic Chemic	eals			
	Nitrosyl						Used in organic chemistry	Complied		
1	Sulphuri	7782-78 -7	17640	70620	13380	84000	to prepare	Mandh	Product	ion (MT)
	c Acid	-/					diazonium	Month	NSA	H2SO4
							salts from amines	Apr, 23	1474.201	2365.943
							Used in	May, 23	449.137	117.434
							chemical	Jun, 23	251.485	0
	98%						industry for production	Jul, 23	0	0
2	Sulphuri	7664-93 -9	28200	31320	56592	87912	of	Aug,23	233	176.077
	c Acid	-9					basic synthetic	Sep,23	585.64	1470.733
							organic chemicals	All products are under pres		rescribed limits.
В	Total of ln Chemicals	_	45840	101940	69972	171912				
A+ B	Total of O and inorga Chemicals	anic	85620	141720	95772	237492		Complied Average production of 2181.95MT in the compliance period (April 20 September 2023)		

Sr.	Points	Compliance
No.		_

A. CONDITIONS:

A.1 SPECIFIC CONDITIONS

1 Unit shall install CEMS [Continuous Emission Monitoring System] in line to CPCB directions to all SPCB vide letter no B29016/04/06PCl-1/54O1 dated OS\OZ2O14 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].

Compiled

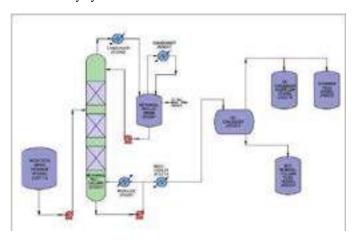
Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission.



Close loop solvent recovery system with an adequate condenser system shall be provided to recover solvent vapors in such a manner that recovery shall be maximum and recovered solvent shall be reused in the process within premises.

Complied

Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is as follows:



3	Leak detection and Repair (LDAR) program shall be prepared and implemented as per the CPCB guidelines. LDAR Logbooks shall be maintained.	As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as per the desired set point all are connected to the Hooter & DCS System. Hydrogen Detector System, Methanol Detector System, SO2 Detector System & Xylene Detector system. ANNEXURE-1
4	The National Ambient Air Quality Emission Standards issued by the ministry vide G.S.R No 826 (E) dated 16th November, 2009 shall be complied with.	Complied The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.). Report of Ambient air quality monitoring is attached in ANNEXURE-II
5	National Emission Standards for organic chemicals manufacturing industry issued by the ministry vide G.S.R 608 (E) dated 21/07/2010 and amended from time to time shall be followed.	Complied The unit is carrying out Process Stack Monitoring by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.). Report of Process Emission are attached ANNEXURE-III
6	Unit Shall have to adhere to the prevailing area specific policies of GPCB with respect to the discharge of pollutants, and shall carry out the project development in accordance & consistence with the same.	Complied Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server.
7	All measures shall be taken to avoid soil and groundwater contamination within premises.	Complied Unit has taken all necessary precautions and monitored the soil from time to time to eliminate soil & water contamination, all process areas are provided with proper flooring and catchment pit so that spills, if any, gets collected, transferred and properly treated in inhouse treatment systems. PCC flooring is provided for prevention of Soil contamination.
		Photographs for same are attached below:

Saicty	& Health:		Complicat
Α.	PP shall obtain Peso Permission for the storage and Handling of hazardous chemicals.	A.	Complied The Unit has obtained necessary approvals from Chief Controller of Explosives and Concert Government authorities as per MSIHC Rules 1989. PESO Certificate attached in ANNEXURE-IV
В.	PP shall provide Occupational Health Centre (OHC) as per the provision under the Gujarat Factories Rule 68-U.	B.	Complied Unit has also developed OHC with all medical facilitie with a factory medical officer and Staff Nurse.
C.	PP shall obtain fire safety certificate/Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules/Gujarat Fire Prevention and Life Safety Measures Act, 2106.	C.	Complied Unit has the Provisional Fire No Objection Certificate (NOC) and applied for the final NOC. ANNEXURE-V
D.	Unit shall adopt functional operations /process automation system including	D.	Complied Unit have the automation system and the whole process was controlled by the DCS system.
	emergency response to eliminate risk associated with the hazardous processes.	E.	Complied Mock drill was conducted in every quarter by the safet
Е.	PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in		dept and evacuation plan and emergency exit all are displayed in the manufacturing area.
	the manufacturing area in case of any emergency or accident.	F.	Complied
F.	PP shall install adequate fire hydrant system with foam trolley attachment within premises and separate storage of water for the same shall be ensured by PP.	G.	Complied Unit has been constructed as per prevailing rules government authorities for storage of flamma chemicals. Photographs has been attached as below:
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.		
н.	PP shall take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker /employee or labour within premises.		
I.	Flame proof electrical fittings shall be provided in the plant premises, wherever applicable.		
J.	Unit shall provide effective isolation for process area and storage of hazardous chemicals	Н.	Complied Unit has provided Proper PPE to the worker/employee regularly training is provided.
K.	Unit shall provide water sprinkler to the ammonia storage cylinder.	I.	Complied Unit has installed flameproof electrical fittings in plant premises.

	1		T							
	L.	Unit shall never store drum/barrels/carbouys of incompatible material/chemical together. Unit shall provide effective fire hydrants,	J.	of the	nas a proj e Hazar	dous ch	ted tank	and also	the dy	
		water monitors & Foam application system at solvent storage area and unit shall provide	K.	Noted						
		adequate safety system such as water sprinklers, water curtains, foam pouring system etc. to restrict cascade fire emergency in solvent storage area.	L.				ated tan	k for the	e storage	of the
	N.	Unit shall provide effective isolation for process area and storage of Hazardous chemicals.	M.		ave the I		y fire hy			itors &
			N.	of the	nas a proj e Hazar	dous ch	ted tank a emical a pillage of	and also	the dy	storage /ke pit
A.2 \	WATER									
9	2433 KI Effluent requirem met thro	ter requirement for the project shall not exceed a. Unit shall reuse 438 KLD of treated industrial within premises. Hence, fresh water nent shall not exceed 1995 KLD and it shall be ough GIDC water supply only. Prior permission as concerned authority for withdrawal of water		ater Req quiremen L/Day. W	nt is not o Vater con	exceeding sumption	g 1995 K	L/Day a the pres	nd Recyc cribed lir	and fresh cle water nit.
	shall be	obtained.	Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
			Fresh Water Consu	Total KL/Mont h	19471	12298	6342	8625	10643	15506
			mption s (1253 KLD)	Average KLD	649	397	211.4	278	343	517
			Water c	onsumpt	tion is ur	der the	prescrib	ed limit.		
10		astrial effluent generation from the project shall ed 359 KLD after expansion.	Complie The effl Waste W	uent gen ater cons	sumption	is under		cribed lin	nit.	KL/Day.
			Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
			Industrial Effluent Generati	Total KL/Mont h	2803. 4	2144. 1	1509. 5	2685	3273. 9	3976. 9
			on (724 KLD)	Average KLD	93.44	69.16	50.3	86.6	105.6 0	132.5 6

11	Management of Industrial effluent shall be as under after expansion: ➤ 255 KLD effluent generated (197 KLD from	Complie Details o	f effluen				N DETA	ILS	
	process, 25 KLD from scrubbers and 33 KLD from washing) shall be treated into in-house ETP	Particular	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
	 plants (ETP-1 & ETP-2) and shall be taken into tertiary ETP. ▶ 193 KLD effluent (164 KLD from cooling Blow down and 29 KLD from Boiler Blow down) shall 		Process Effluent (KLD)	1056. 4	391.1	246.5	651	724.9	1685. 9
	be treated into inhouse ETP plant (ETP- and RO plant. RO reject (104 KLD) and shall be treated in	Industrial Effluent	Average KLD	35.21	12.61	8.21	21	23.38	56.19
	tertiary treatment. Thus total 359 KLD treated effluent shall be discharge into CETP-Dahej after complying with the inlet norms of CETP prescribed by	Generati	Utility Blowdo wn (KLD)	1747	1753	1263	2034	2549	2291
	GPCB and ultimately disposal into the sea through GIDC drainage pipeline.		Average KLD	58.23	56.54	42.1	65.61	82.22	76.36
12	Domestic wastewater generation shall not exceed 57 Kl/Day for proposed project and it shall be treated in STP. It shall not be disposed off into a soak pit. Treated Sewage shall be utilized for gardening and plantation		c wastev g/cooling	g tower p	urposes.		Treated		used for
	purpose within the premises after achieving on-land discharge norms prescribed by the GPCB.	Particul ar	Unit	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
		Domestic WasteWa	Total KL/Mont h	380	325	687	701	593	644
		ter (47 KLD)	Average KLD	12.66	10.48	22.9	22.61	19.12	21.46
13	During monsoon season when treated sewage effluent may not be required for the plantation/Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case.	Cooling for cooli	ted STP tower. D	ouring Morning	onsoon t ip. Also,	he treate		ater shal	opment / I be used a guard
14	Unit shall provide a buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.		an adeq				r storage er during		
15	Unit shall discharge wastewater to CETP only after complying with norms prescribed by GPCB in order to achieve no adverse impacts on Environment and human health.		the pern				scharge t		
16	The PP shall ensure to dispose off waste water to the common facilities having valid CTO of GPCB.	through		C comm	on pipel				discharge uring the

17	Treated wastewater shall be sent to CETP-Dahej only after complying with the inlet norms of common facilities prescribed by GPCB to ensure no adverse impact on Human Health and Environment.		as the pon pipel		ion for	r the de	eep sea	discha	rge thr	ough th	ne GIDC
18	The Unit shall provide metering facility at the inlet and outlet of ETP and maintain records for the same.	Compl Unit h logboo	as provi	ided a	meteri	ng syst	em and	d maint	tained	the sam	ne in the
19	Proper logbooks of ETP; reuse/recycle of treated/ untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.	quantit	s main	d qualetc, and	lities of the list further the list furt	of effl nished onsum	uent d to the O otion ir	ischarg GPCB f ETP s	ge and From tir ummar	reuse, me to ti	umption, , power me.
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit i	s main	d qualetc, and Electr	lities of the list further the list furt	of effl nished onsum	uent d to the O otion ir	lischarg GPCB f	ge and From tir ummar	reuse, me to ti	, power
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit i	s main	d qualetc, and Electr	lities of list furnicity correctly correctly by Powe	of effl nished onsum	uent d to the O otion ir	ischarg GPCB f ETP s	ge and From tir ummar	reuse, me to ti ry	, power
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit i	s main	d qualetc, and Electr	lities of the li	of effl nished onsum	uent d to the O otion ir	ischarg GPCB f ETP s	ge and from ting umman	reuse, me to ti ry	, power
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit i	s main	d qualities and Electrical Electr	lities of is furnicity correctly cor	of effl nished onsum	uent d to the O otion ir	ischarg GPCB f ETP s	ge and from ting umman	reuse, me to ti ry	, power
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit i	s main	d qualities and Electrical Electrical Month	lities of list furricity corrections Powe	of effl nished onsum	uent d to the O otion ir	ischarg GPCB f ETP s	ge and From tinummar TP Total K	reuse, me to ti ry (WH 572 62	, power
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit i	s main	d qualities, and Electrical Month Apr-23	lities of list furnities of li	of effl nished onsum	uent d to the O otion ir	ischarg GPCB f ETP s	re and from tinummar rP Total F 1305 8660 7270 1073	reuse, me to ti ry KWH 672 62 01 685	, power
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit i	s main	d qualities, and Electr. Month Apr-23 May-23 June-23	Powe	of effl nished onsum	uent d to the O otion ir	ischarg GPCB f ETP s	re and from tirummar rP Total F 1305 8666 7270 1073	reuse, me to ti ry XWH 572 662 01 685	, power
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit i	s main	d qualities, and Electrical Month Apr-23 May-23 June-23 July-23	Powe	of effl nished onsum	uent d to the O otion ir	ischarg GPCB f ETP s	re and from tinummar rP Total F 1305 8660 7270 1073	reuse, me to ti ry XWH 572 662 01 685	, power
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit i	s main	d qual- etc, and Electr. Month Apr-23 May-23 July-23 August-2 ptember	Powe Powe Powe Powe Powe	of effl nished onsump r Cons	uent d to the C tion ir	ischarg GPCB f ETP s	re and from tire ummar TP Total F 1305 8666 7276 1073 9112 1104	reuse, me to ti ry XWH 572 662 01 685	, power
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit i	s main	d qual- etc, and Electr. Month Apr-23 May-23 July-23 August-2 ptember	Powe Powe Powe Powe Powe	of effl nished onsump r Cons	uent d to the C tion ir	iischarg GPCB f n ETP s	re and from tin ummar re Total re 1305 8666 7270 1073 9112 1104	reuse, me to ti ry XWH 572 662 01 685	power me.
19	untreated effluent; chemical consumption in effluent treatment; quantity & quality of treated effluent; power consumption etc. shall be maintained and shall	Unit is quantitic consur	s main ies and nption e	Month Apr-23 June-23 July-23 August-2 ptember Ch	Powe Powe Powe Bar-23 DAP	of effl nished onsump r Cons	sumpt	tion E	re and from tin ummar 17P 1305 8666 7270 1104 TP HCI	reuse, me to ti ry KWH 672 62 01 885 22 78 Jagge	Defor mer

						90	2		
May-2 3	0.6 6	0	0	0	145 5	569 0	235 1	0	12
June- 23	0.1	0	4	36	440	202 5	807	47	17
July-2 3	2.5 5	0	3	76	360	355 0	110 0	78	12
Augus t-23	2.8	15	33	67	300	421 8	234 2	48	7
Septe mber- 23	1.6	1	19	65	405	361 7	367 0	100	0

A.3 AIR

20 Unit shall not exceed fuel consumption for steam boilers and DG sets as mentioned below.

Sr. No	Stack Attache d to	Stack Height in Meter	Fuel Cosum ption	Air Pollutio n Control System								
Existing												
1	D.G. Set (3 Nos.) Capacity : 2000 KVA each	33	Diesel 1800 L/Hr	Stack with 33 M Height								
	Propos	sed Additi	onal Total	l								
1	D.G. Set (1 Nos.) Capacity : 2000 KVA each	33	HSD 600 L/Hr	Stack with 33 M Height								
2	D.G. Set (2 Nos.) Capacity : 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 M Height								

Complied

Records of diesel consumption month-wise given as below:

Diesel Consumption May June Aug July Sep Apr 2023 Month 2023 2023 2023 2023 2023 3900 L/Hr Limit Total 480 495 495 500 525 480 Diesel Consum ption (Litre/ Month) Diesel 0.69 0.73 0.67 0.69 0.69 0.67 Consum ption (Litre/H r)

	3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubb r (Lime Dosing along with coal) + ESP	;	
		Total afte	er Proposo	ed Expans	sion		
	1	D.G. Set (4 Nos.) Capacity : 2000 KVA each	33	HSD 2400 L/Hr	Stack with 33 M Height		
	2	D.G. Set (2 Nos.) Capacity : 2500 KVA each	33	HSD 1500 L/Hr	Stack with 33 M Height		
	3	Boiler (30 TPH)	48	Coal 6 MT/Hr	Dry Scrubb r (Lime Dosing along with coal) + ESP	:	
	from SEZ- 70 T conc	:: At present M/s. Aarti -II , Dahej (PH steam sl ern unit M/s t-1), Sez-II,	Industries ID: 41201) nall be take s. Aarti Ind	Limited (u) and after en from sis lustries Li	ınit-1), expansio ster		
21		shall proveration sources.					Complied. Unit has provided adequate stack height around 33 meter DG stack for flue gas emission. Monthly monitoring reports for flue gas emission are attached in ANNEXURE-VI
22	Unit shall provide Adequate APCM with Process gar generation sources as mentioned below.						Complied Unit has an adequate scrubber as APCM with the process gas generation sources. Monthly Monitoring are carried out by an
	Sta No	l l		Air Pollut ion	Param eter	Permi ssible limit	approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) Report of monitoring from scrubber is attached in Annexure ANNEXURE-III

Existing	g As per (Meter	Contr ol Meas ure (APC M)	1	
1	Scrub ber Conne cted to Sulph ur Dioxi de reacti on and Sulph uric Acid Plant	30	Alkali Scrub ber	SO2 Acid mist/S ulphur trioxi de (for plant Capac ity per 100% Conce ntratio n of Sulph uric acid (<300 Tone /Day)	1250 mg/N m3 (2kg/MT of 100% Conc. acid produ ction) 70 mg/N m3
2	Scrub ber Conne cted to NSA	11	Alkali Scrub ber	SO2	40 Mg/N m3
3	Scrub ber Conne cted to DCP	11	Alkali Scrub ber	NOx	25 Mg/N m3
4	Scruu bber Conne cted to tanks	11	Alkali Scrub ber	VOC	-
5	Scrub ber Conne	11	Alkali Scrub ber	VOC	_

All parameters well within the limit.

6	cted to tanks Com mon alkali scrub ber for SO2	11	Alkali Scrub ber	SO2	40 mg/N m3
7	tank Farm DCA plant	11	Water Scrub	VOC	_
	vacuu m storag e pump		ber		
8	HNO 3 tank	11	3 stage lime scrub ber	NOx	25 Mg/N m3
9	Liq SO3 and 25% oleum tank	11	Acid Scrub ber	SO2	40 mg/N m3
10	Sulph uric Acid Conce ntratio n plan (SAC)	11	Alkali Soray scrub ber	SO2 VOC	40mg/ Nm3
11	DCP plant: DCA Sulph ate Vent	11	Ventu ri water scrub ber	SOZ VOC	40 mg/N m3
	Propos	ed Total	after Ex	pansion	
1	Scrub ber	30 (Com	Alkali Scrub	SO2 Acid	1250 mg/N

	Conne ctedto Sulph ur dioxid e reacti on and Sulhu ric Acid plant	mon stack)	ber	mist/S ulphur trioxi de (for plant Capac ity per 100% Conce ntratio n of Sulph uric acid (<300 Tone /Day)	m3 (2kg/ MT of 100% Conc. acid produ ction) 70 mg/N m3			
2	Scrub ber Conne cred to NSA		Alkali Scrub ber	SO2	40 Mg/N m3			
3	Scrub ber Conne cted to DCP	11	Alkali Scrub ber	NOx	25 Mg/N m3			
4	Scrub ber Conne cted to tanks	11	Alkali Scrub ber	VOC	-			
5	Scrub ber Conne cted to tanks	11	Alkali Scrub ber	VOC	-			
6	Com mon alkali Scrub ber for SO2	11	Alkali Scrub ber	SO2	40 mg/N m3			

M/s. Aarti Industries Ltd(Unit-II), Plot no. Z/103/C, GIDC Estate, SEZ-II, Dahej, Dist. Bharuch

	Tank Farm					
7	DCA plant vacuu m pump storag e tank	11	Water Scrub ber	VOC		
8	HNO 3 Tank Farm	11	3 Stage Alkali scrub ber	NOx	25 Mg/N m3	
9	Liq SO3 and 25% oleum tank	11	Acid Scrub ber	SO2	40 mg/N m3	
10	Sulph uric Acid Conce ntratio n plan (SAC)	11	Alkali Spray Scrub ber	SO2 VOC	40mg/ Nm3	
11	DCP Plant: DCA sulpha te vent	11	Ventu ry Water Scrub ber	SO2 VOC	40 mg/N m3 -	
12	DCP Drum filling Scrub ber	11	Alkali Scrub ber	VOC	-	
Unit shall use approved fuels only as fuel in boilers						
Unit sha and DG	all use app set.	proved fi	iels only	as fuel i	n boilers	Complied Unit has used approved fuels only in DG sets

- The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of industry Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.
 - ➤ Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.
 - ➤ Air Borne dust shall be Controlled with water sprinklers at suitable location in the plant.
 - ➤ A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.

Complied

Unit has followed below guidelines to reduce the fugitive emissions in the work zone.

- ➤ Internal roads have been concreted.

 Photograph of the same is given in Point No. 7
- ➤ Water sprinklers have been provided at suitable locations in the plant.



➤ Green belt has been developed in and around the plant boundary and roads to mitigate fugitive & transport dust emission.



Regular Monitoring of volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.

Complied

Volatile Organic Compounds (VOCs) are monitored by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.). Report of Work Zone area monitoring is attached in <u>ANNEXURE-VII</u>

25

- For control of Fugitive emission, VOCs, following steps shall be followed:
 - Closed Handling and charging system shall be provided for chemicals.
 - Reflux condenser shall be provided over Reactors /Vessels.
 - ➤ Pumps shall be provided with mechanical seals to prevent leakages.
 - ➤ Air Borne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.

Complied

- Closed handling and charging systems have been provided for chemicals.
- Reflux condenser has been provided over Reactors / Vessels.
- > Pumps have been provided with mechanical seals to prevent leakages.
- ➤ The plant is operated by a DCS system.
- ➤ Unit has provided an enclosure system for air borne dust at all transfer operations.





- 26 Solvent Management shall be carried out as follows:
 - Measures shall be taken to reduce the process vapors emissions as far as possible. Use of toxic solvent shall be minimum. All venting equipment shall have vapour recovery system.
 - Reactor shall be connected to adequate chilling system to condensate solvent vapor and reduce solvent losses.
 - ➤ Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
 - The Condensers shall be provided with sufficient HTA and residence time so as to achieve maximum solvent recovery.
 - Solvents shall be stored in a separate space specified with all safety measures.
 - Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
 - Solvent storage and handling area shall be flame proof the solvent storage tanks shall be provided with breather valve to prevent losses.

Complied

- ➤ Unit has the proper solvent recovery system and to avoid the emission process running in a closed loop system.
- Reactors connected with the chilling system to condensate the solvent vapor and reduce the vapor losses.
- Pumps have been provided with mechanical seals to prevent leakages.
- The condenser has the proper adequate HTA area with residence time to achieve Maximum Solvent Recovery System.
- Unit has provided a dedicated storage space area for the Solvent Storage tank.
- ➤ Unit has provided the proper earthing with all electrical equipment wherever solvent handling is done.
- All the solvent storage area has been flame proof with the breather Valve to prevent losses.





Regular Monitoring of Ground level concentration of PM10, PM2.5, SO2, NOx, and VOCs shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

Complied

The unit is carrying out Ambient Air monitoring as per the National Ambient Air Quality Standards (NAAQS) at upwind and downwind location by approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) . Report of Ambient air quality monitoring is attached in ANNEXURE-VIII The table for the same is as below:

		A	AQMS N	Monitorin	ıg		
Locati on	Param eter	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023
	PM10 (100 µg/m3)	84	88	76	82	69	70
Near Maing ate	PM2.5 (60 µg/m3) 30		32	25	20	21	25
	SO2 (80 µg/m3)	24.5	20.8	16.5	19.3	15.4	18.3
	NO2 (80 µg/m3)	26.1	25.1	20.8	25.4	21.2	19.5
	PM10 (100 µg/m3)	80	76	69	74	65	66
Near ETP	PM2.5 (60 µg/m3)	29	27	27	31	18	22
	SO2 (80 µg/m3)	22.6	17.3	18.4	21.2	16.3	16.2

	NO2 (80 μg/m3)	27.7	24.1	21.5	27.1	20.5	22.3
	PM10 (100 µg/m3)	77	80	82	76	58	68
Near DCS PCC	PM2.5 (60 μg/m3)	32	29	31	26	16	24
Contro I Room	SO2 (80 µg/m3)	22.5	18.2	18.2	22.1	15.9	15.8
	NO2 (80 μg/m3)	26.7	22.3	20.5	27.5	22.4	22.8

A.4 SOLID/HAZARDOUS WASTE:

All the Hazardous/Solid waste management shall be taken care as mentioned below:

Sr. No	Na me of Ha zar do us Wa ste	cat eg ory	So urc e of Wa ste Ge ner ati on	Quar	pt for	Pro pos ed Ch an ge d/ Ad diti on al		Ha zar do us Wa ste Dis pos al & Ma na ge me nt Fa
1.	ET P Wa ste	35. 3	Fro m ET P	48 00	48 00	33 76	81 76	Co lle cti on, Sto rag e, Tra nsp ort ati on an d Dis pos al to TS DF /C o-p roc ess ing .
2.	Dis till ati on res idu	26. 1	Fro m Pro ces s	42 00	40 74. 48	60 45. 52	10 12 0	Co lle cti on, Sto rag

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Annual Generation & Disposal Quantity of Hazardous/Solid waste management is as Follows:

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	(M T)	Ge n	Dis	Ge n	Dis	Ge n	Dis	Ge n	Dis	Ge n	Dis	Ge n	Dis
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Pr oc es s R es id ue	1 0 1 2 0	8 4. 9 7 0	8 3. 3 1	2 6. 8 7	2 5. 8 3	3 0. 7 5	2 5. 8 9	3 6. 7 5	1 8. 0 3	9. 7 5	1 8. 11	1 2. 2 5	2 6. 0 3
D is ca rd ed C o nt ai ne r	1 0 0					0. 9 1 0	0. 9 1 0						
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In su la ti o n W as te	4 0	0. 8 2	0	0. 2 2	0	2. 1 6	1. 8 6	0. 3 5	0	0. 2 5	0. 0 0	0. 2 2	0. 0 0

	e							e, Tra nsp ort ati on Dis pos al at CH WI F/P re- Pro cee sin g/ Co -pr oce ssi ng.
3.	Gy psu m	B2 08 0	-	72 00	72 00	-72 00	0	N A Dis co nti nu e
4.	Sul ph ur Slu dg e	B2 04 0	Fro m Pro ces s	84	84	48 8	57 2	Co lle cti on, Sto rag e, Tra nsp ort ati on Dis pos al at TS DF /C H WI F/

M E E S al t	1 8 2 5	2 7. 3 5	2 7. 1 7 0	11 .5	11 .1 8	1 5. 4 0	1 5. 11	7. 6	0.	1. 5	0. 0 0	11 .8	0. 0 0
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30	Author concer Hazard Transb	ned a	authori and	ties other	under waste	the es (M	Rule- Ianage	-9 of	f the	Complied Unit will ensure the rule-9 permission before sending any hazardous waste to the end users for the co-processing purposes.
31	Unit Shall Explore the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes before sending to CHWIF & TSDF sites respectively.								waste vastes	Compiled. Unit is exploring all the possibilities for environment friendly methods like co-processing of hazardous waste for disposal of incinerable and land fillable wastes
32	The programmer TSDF									Complied Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in Point No. 66
33	The unit shall submit the list of authorized end users of hazardous wastes along with MOU signed with them at									Noted.

	least two months in advance prior to the commencement of production. In the absence of potential buyers of there items, the unit shall restrict the production of the respective items.		list of authorized end users of ed with them at least two mon	
A. 5 O	THER:			
34	The project proponent shall carry out the activities of amount of Rs.0.87 Crores (funds for Environment & renewable energy resources, Health & Hygiene) Proposed under CER and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. NO. 22-65/2017-IA.III dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of	in "The Companies (t has complied with all the co (Corporate Social Responsib ndments from time to time en below Nature of Work	oility Policy) Rules
	MoEF&CC as a part of the Half yearly compliance	NGO		
	report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.	Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-
		Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs
35	All the recommendations , mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Enpro Enviro Tech and Engineers Pvt. Ltd and submitted by the project proponent and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.	Complied Unit strictly adheres t ANNEXURE-IX	to the commitments made to t	the SEAC.
	NERAL CONDITIONS: ONSTRUCTION PHASE:			
36	Water Demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	water consumption du	k make Plasticizer & Curing uring our construction phase. ject based construction was n	During the current
37	Project proponent shall ensure that surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.		overing trucks and water spri e current monitoring pha- in place	

38	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Complied Adequate sanitary and hygienic conditions were provided.
39	First Aid Box shall be made readily available in adequate quantity at all the times.	Complied Unit has provided an adequate first aid box and is maintained in good condition.
40	The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Services) Act 1996 and Gujarat rules made there under their subsequent amendments. Local bye-laws of concern authority shall be complied in letter and spirit.	Complied Unit has converted to operation phase from construction phase and obtained Factory License No. 41555, dated: 1st February, 2020. Attached as ANNEXURE-X
41	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.	Complied Noise monitoring is being carried out by an approved NABL / GPCB/ MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) The noise levels in the plant conform to the standards prescribed in the EPA Act, 1986. During the construction phase, mock drills were arranged by the safety department, now the unit is in operation phase, therefore monitoring the noise levels from time to time. Copy of the report has been attached as ANNEXURE-XI
42	Use of Diesel Generator (DG) sets during the construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Complied Unit was not using DG sets in construction phase- unit will ensure the compliance of emission standards during usage of DG sets. Monthly monitoring reports for flue gas emission are attached in ANNEXURE-VI
43	Safe disposal of waste water and municipal solid wastes generated during the construction phase shall be ensured.	Complied Sewage waste water was collected and Treated of through a STP Plant.
44	All topsoil excavated during construction activity shall be used in horticulture/ landscape development within the project site.	Complied All the excavated soil was used for landscape developing and back filling within the premises and our sister concerns units.
45	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create an adverse effect on neighbouring communities.	Complied All the excavated soil was used for landscape developing and back filling within the premises and our sister concerns units.
46	Project proponents shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete (RMC) and lead free paints in the project.	Complied Unit was using RMC and Lead free paint in the project.
47	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification	Complied Unit has PPC cement.

	under the E.P. Act, 1986 and its subsequent amendments from time to time.	
48	"Wind-Breaker of appropriate height i.e. 1/3rd of the building height and maximum upto 10 meters shall be provided. Individual building within the projects site shall also be provided with barricades.	Noted
49	"No uncovered vehicles carrying construction material and waste shall be permitted.	Complied All vehicles are going with the tarpaulin cover over it.
50	"No Loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform Piling and proper storage of sand to avoid fugitive emissions shall be ensured."	Complied All the construction waste & demolition waste are covered with tarpaulin and proper sand piling done to avoid the dusting.
51	Roads leading to or at construction site must be paved and blacktopped (i.e. metallics roads).	Complied All the internal roads are constructed with the RCC concrete.
52	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	Noted All the Mitigation should be taken care of during the excavation activity.
53	Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing	Noted
54	Grinding and cutting of building materials in open areas shall be prohibited.	Complied All the cutting & grinding activity of building materials are done in the shed area.
55	Construction materials and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.	Complied All the generated waste are stored in the earmarked area and it get utilized within the premises for the leveling purpose. Adequate mitigate measure are maintained at site.
56	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site. (If applicable).	Complied All the generated Construction and demolition waste are being utilized within the premises for the leveling purpose. Adequate mitigation measures are maintained at site.
B.2 OPERATION PHASE		
B.2.1 WATER:		
57	The water meter shall be installed and records of daily and monthly water consumption shall be maintained.	Complied Unit has installed water meters and maintains the record on a daily and monthly basis.
58	All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The unit shall continuously strive to reduce, recycle and reuse the treated effluent.	Complied The unit had adopted Best Available Technology (BAT) to reduce, recycle and reuse the treated effluent. The unit has provided Primary, Secondary and Tertiary treatment consisting of ETP, RO & MEE. The

unit will reuse permeate/condensate generated from RO, DEE & MEE in the cooling tower.



Photographs are as follows



B.2.2 AIR:

60

In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & its APCM through the credible institutes and study report for the impacts on Environment and Human Health shall be submitted to GPCB every year along with a half yearly compliance report.

Noted.

As of now the unit has not installed any spray dryer system as it is not the process requirement.

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

Unit has provided Acoustic enclosure to DG sets to mitigate the noise pollution and shall conform to the EPA Rules for air and noise emission standards.



		Report of Noise monitoring is attached in ANNEXURE-XI
61	Stack/Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.	Complied. Unit has provided adequate stack height around 33 meter DG stack and scrubber around 11 meter for flue gas/ process gas emission.
62	Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the GPCB/CPCB/MoEF&CC. At no time, emission level should go beyond the stipulated standards.	Complied Report of flue gas emission monitoring is attached in ANNEXURE-VI & process gas emission monitoring of APCM scrubbers are attached in ANNEXURE-III
63	All the reactors/ vessels used in the manufacturing process shall be closed to reduce the fugitive emission.	Complied All reactors and vessels are in a closed loop.
B.2.3	HAZARDOUS/SOLID WASTE	
64	The company shall strictly comply with the rules and regulations with regards to handling and disposal of hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection/treatment/storage/ disposal of hazardous	Complied Unit is strictly complying with all the regulations mentioned in Hazardous waste rule, 2016 (Manifest-Form 10/Labelling-Form 8/TREM Card- Form 9/Maintain Records- Form 3/ Annual return submission- Form 4 etc. If required in future we will do amendments from time to time.

wastes.

65	Hazardous waste shall be dried, packed and stored in a separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	Complied Unit has provided a hazardous waste storage area with a pucca bottom and leachate collection facility.
66	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)	Complied Unit has received membership from BEIL & SEPPL. Membership certificate copy from CHWIF and TSDF of the same are attached in ANNEXURE-XIII
67	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988 and rules made there under.	Complied Unit is ensuring to deploy trucks/Tankers as per the provisions under the Motor Vehicle Act, 1988 and rules made there under for the transportation of hazardous waste. Unit is Following the AIS 140 based GPS tracking System for all the Hazardous Waste Vehicle.
68	The design of the Trucks/ tankers shall be such that there is no spillage during transportation.	Complied Unit is ensuring to deploy trucks/Tankers suitable for hazardous waste so that there will not be any leakage / spillage during transportation.
69	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.	Complied Unit is putting all efforts to pre-treat / process the hazardous waste before disposal to TSDF / CHWIF.
70	Management of fly ash (If any) shall be as per the Fly Ash Notification 2009 & its amendment time to time and it shall be ensures that there is 100% utilization of fly ash to be generated from the unit.	Complied Fly ash is not being generated from the unit.
B.2.4	SAFETY	
71	The occupier/ manager shall strictly comply with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.	Complied The occupier has strictly complied with the provisions under the Factories Act 1948 and Gujarat Factories Rules 1963.

The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for Handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosive and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.

Complied

The Unit has obtained necessary approvals from the Chief Controller of Explosives and Concerned Government authorities as per MSIHC Rules 1989

PESO Certificate attached in **ANNEXURE-IV**

On-site and Off-site Disaster Management Plans have been prepared and implemented and Same has been submitted to DISH and same has been attached in <u>ANNEXURE-XIV</u>

Main entry and exit shall be separate and clearly marked in the facility.

Complied

Main entry & Exit were separated and have been constructed marked clearly.

Photographs of Entry



Photograph of Exit



F		,
74	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Complied Sufficient peripheral open passage is provided in the margin area for free movement of fire tender/ emergency vehicle around the premises.
75	Storage of flammable chemicals shall be sufficiently away from the production area.	Complied Unit has been constructed as per prevailing rules of government authorities for storage of flammable chemicals. Photographs has been attached as below:
76	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	Complied Unit has provided 307 numbers of fire extinguishers near the plant and storage area. The fire extinguishers are installed in all the process plants such as DCA, DCP, SAC-CR Plant, NSASO2 Plant as well as in ETP, OHC, Admin, Canteen etc. It is installed on every floor in the premises. ANNEXURE-XV
77	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/ hazardous chemicals.	Complied Unit is ensuring to take necessary precautions as per the prevailing rules of government authorities for storage and handling of toxic and hazardous chemicals.
78	All the toxic/ hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	Complied Unit will ensure to maintain optimum quantities of toxic / hazardous chemicals. All necessary permissions are obtained in this regard before commencing the expansion activities.
79	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report.	Complied The unit has adhered to the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment Report. The letter submitted to DISH for Risk Assessment Report, Safety Audit Report, QRA study. The same has been attached in Annexure-XIV The unit has implemented all preventive and mitigation measures suggested in the Risk Assessment Report. Annexure-XVI
80	Only flameproof electrical fittings shall be provided in the plant premises.	Complied Unit has installed flameproof electrical fittings in the plant premises.
	<u> </u>	1

81	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/ containers instead of on single large capacity tank/ containers.	Complied Unit has restricted the use of single large capacity tanks/ containers and 1 number of tanks are installed for the RM and pure product storage in the Tank farm area.
82	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/ dyke walls shall be provided for storage tanks for hazardous Chemicals.	Complied Unit has installed necessary engineering controls to avoid leakages and hazardous chemical storage tanks have been installed inside a Bund/ dyke wall. Photograph is attached as below:
83	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer to that minimal human exposure occurs.	Unit has taken all necessary measures to minimize the human exposure to hazardous chemicals by closed loop pumping / vacuum transfer.
84	Tie up shall be done with nearby health care unit/ doctor for seeking immediate medical attention in the case of emergency.	Complied Unit has tied up with nearby health care units/ doctors for seeking immediate medical attention in the case of emergency. Unit has also developed OHC with all medical facility with factory medical officer and staff. The Unit have tie up with Sunshine Global Hospital, Healing Multispeciality Hospital and Baroda Heart Hospital for immediate medical attention in the case of emergency at the Bharuch District. The same has been attached in Annexure-XVII
85	Personal Protective Equipment (PPEs) shall be provided to workers and its usage shall be ensured and supervised.	Complied Unit has maintained around 50 types of Personal Protective Equipment (PPEs) and provided the same to workers. Unit has encouraged and ensured that PPE's are used by workers as per the requirement for a particular job role. PPEs- Helmet, Goggles, Safety Shoes, Full body safety suit, Double anchored safety harness, Cartridge mask, antistatic hand gloves, bubble hood etc.
86	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	Complied

		14 Numbers of l (Methylene Blue, are available in O	First Aid Box are Dipotherene, etc.		
87	Training shall be imparted to all the workers on safety and health aspects of chemicals handling.	chemical handlinexaminations for	n to all employees ng. Pre-employme r all employees are on handling chem	nt and routine per e done on a regula	iodical medical r basis. Training
		SR No.	Safety and	Health aspects training	to employes
			Total Employees	Safety	Induction
		1	293	1	85
		Month of Med	lical surveillance	Total no. of Employees	Total no. of Contract Employees
		1	Apr' 23 - Sep' 23	165	139

88	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	Complied Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act. Following check up has been carried out in periodical medical checkup. - General checkup (height, weight, pulse, BP etc) - Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count, G6PD etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test - Audiometry - ECG - met Hb for specific workers Details of health surveillance of the employees and contract workers are given below:			
			Month of surveillance	Total no. of Employees	
			Apr, 23 to Sep, 23	304	
			Month of Surveillance	No. of Persons]
			Apr,23	41	
			May,23	31	
			Jun,23	39	
			Jul, 23	171	
			Aug, 23	6	
			Sep,23	16	
		Medical Ex	kamination Summary & Sar in <u>Annexure</u> -	nple Report have been attache XVIII	ed
89	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act and Rules.		that the Transportation of the provisions of the Motor	hazardous chemicals is bei r Vehicle Act and Rules.	ing
90	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.		nas implemented all preve n the Risk Assessment Rep	ntive and mitigation measur ort. <u>ANNEXURE-XVI</u>	res
91	Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.	Complied Necessary permission has been taken from PESO. Certificate issued from PESO is attached as ANNEXURE-VI Unit has obtained Factory License No. 41555, dated: 1st February, 2020. Attached as ANNEXURE-X The letter submitted to DISH for onsite emergency plan & safety report. The same has been attached in ANNEXURE-XIV			
B.2.5	NOISE				

92 The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

Complied

The Unit has taken necessary noise control measures by providing engineering controls like acoustic insulation hood, silencers, enclosures etc on all sources of noise generation. Unit is monitoring noise level month wise in the operation phase. Report of Noise monitoring is attached in <u>ANNEXURE-XI</u>

Details of Noise Monitoring All the parameters under prescribed limit

L oc	GPCB limit			ı		ı		ı		ı		ı	
ati		Apr	2023	May	2023	June	2023	Jul 2	2023	Aug	2023	Sep	2023
on		Day	Nig ht										
					No	oise Le	vel dB	(A)					
Near ETP area	75 dB (A) 70 dB (A)	6 5. 5	5 1. 8	6 6. 2	4 9. 5	6 7. 8	5 2. 5	6 8. 5	5 1. 6	6 3. 9	5 3. 4	6 5. 2	5 2. 3
Near D.G. Set		7 2. 5	5 5. 2	7 1. 9	5 6. 1	7 2. 5	5 4. 5	7 3. 2	5 3. 2	7 1. 6	5 5. 2	6 9. 2	5 4. 2
Near Main Gate		6 5. 1	5 2. 3	6 4. 3	5 3. 6	7 3. 4	5 4. 2	6 7. 5	5 5. 4	7 2. 5	5 3. 1	7 0. 5	5 5. 4
Near DCA Plant		6 7. 2	5 4. 2	6 8. 1	5 2. 4	6 7. 3	5 5. 6	6 8. 2	5 6. 2	6 8. 1	6 6. 3	6 7. 2	6 2. 4
Near Mate rial Gate		6 6. 6	5 3. 4	6 5. 2	5 4. 3	6 6. 2	5 3. 8	6 7. 1	5 5. 1	6 7. 2	5 4. 5	6 6. 5	5 1. 5

Note: N.D.- Not Detected, BDL - Below Detection Limit

All the parameters under prescribed limit

B.2.6 CLEANER PRODUCTION AND WASTE MINIMISATION

The unit shall undertake the Cleaner Production Assessment study through a reputed institute /organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.

Complied

Cleaner Production Assessment study has been carried out by an approved institute of Pacific School of Engineering, Surat Approved by AICTE, New Delhi & Affiliated to GTU, Ahmedabad.

Cleaner Production Assessment study report is attached as an Annexure-XIX

94 The company shall undertake various waste minimization measures such as:

te Complied

Metering and control of quantities of active ingredient to minimize waste

The Unit has implemented waste minimization measures as mentioned below but not limiting to:

Reuse of by-products from the process as raw materials or as raw materials substitutes.

Use of automated and close filling to minimize spillages.

Use of a close feed system into batch reactors.

Venting equipment through vapour recovery system.

Use of high pressure hoses for clearing to reduce wastewater generation.

Recycling of washes to subsequent batches.

Recycling of steam condensate.

Sweeping/ mopping of floor instead of floor washing to avoid effluent generation.

Regular preventive maintenance for avoiding leakages, spillages etc.

Unit has taken all the possible action for the control of quantities of active ingredients to minimize waste.

Unit has taken all the possible action for reuse of by-products from the process as raw materials or as raw materials substitutes.

Unit has installed automated and close filling to minimize spillages.

Closed feed system into batch reactors is in practice.

Venting equipment through a vapour recovery system is in practice.

Unit uses high pressure hoses for clearing to reduce wastewater generation.

Unit is doing Recycling of washes to subsequent batches.

Unit is doing Recycling of steam condensate.

Unit is doing Sweeping/mopping the floor instead of floor washing to avoid effluent generation.

Unit has done Regular preventive maintenance for avoiding leakages, spillages etc.

B.2.7 GREEN BELT AND OTHER PLANTATION

The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate lane is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC/ GPCB and submit an action plan of plantation for next three years to the GPCB.

Complied

The greenbelt has been developed and maintained by the unit regularly.

Total area of plot :- 54803.04 m2

Greenbelt within Plant Premises: - 10367.85 m2,

Greenbelt at common plot of Dahej SEZ II:- 2120.84 m2

Green Belt at Luvara Village:- 5700 m2

Total Green Belt :- 18188.69 m2

photographs for the same attached as below:



96	Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	Complied Unit has provided a low-angle sprinkler system for the green belt development within the premises.
		Photographs for the same attached as below:
97	The PP shall develop green belt within premises((Green belt within premises: 10367.85 m2 (18.92%) + Boundary Side Greenbelt: 2120.84 m2 (3.86%), out side Green belt: (in luvara village located at 0.9km from the project site):5700 m2 (10.22%) i.e.Total: 18188.69m2 (33.18%) of the total plot area) as per the undertaking submitted before SEAC. Green belt shall be developed with the native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. It shall be implemented within 3 years of operation phase in consultation with GPCB.	Complied The greenbelt has been developed and maintained by the unit regularly. Total area of plot: - 54803.04 m2 Greenbelt within Plant Premises: - 10367.85 m2, Greenbelt at common plot of Dahej SEZ II: - 2120.84 m2 Green Belt at Luvara Village: - 5700 m2 Total Green Belt: - 18188.69 m2 photographs for the same attached as per above.
B.3 O	THER CONDITION	
98.	Project Proponent shall provide mechanism/System for wastewater stream segregation at source and strictly follow up to treatment and final disposal of the same if applicable.	Complied Unit has done the proper segregation for the wastewater stream and strictly follow up the same
99.	The projects Covered under category 5(f) shall undergo the safety and environment audit regularly as per the standards laid down by the GPCB & CPCB.	Complied ne Unit had allotted the schedule-1 auditor as per the GPCB.
100.	PP shall carry out the safety audit and risk assessment report as per the prevailing guidelines of the safety.	Complied Unit has done the safety audit and risk assessment as per the guideline of the safety.
101.	Management of Fly ash shall be as per the Fly ash Notification 2009 & its amendment from time to time and it shall be ensured that there is 100% utilization of Fly ash to be generated from the unit.	Noted. Currently at unit fly ash has not been generated.

102.	EMP should invariably include provisions for environmental monitoring and measures for noise pollution control measures.	Complied. Noise monitoring is being carried out by an approved NABL / GPCB/MOEF&CC authorized party (Unistar Environment & Research Labs Pvt. Ltd.) The noise levels in the plant conform to the standards prescribed in the EPA Act, 1986. Copy of the report has been attached as ANNEXURE-XI					
103.	In EMP proponent should separately indicate majors of occupational health, fire and safety measures.	Complied EMP attached	l as an <u>ANNEXURI</u>	E-IX			
104.	Prior EC is granted is subject to the proponent receiving all statutory permission/clearances /certificates and membership of respective agencies/authorities whichever applicable. Proponent shall inform progress from time to time, in monthly compliance report to MOEFCC/SEIAA/SEAC/GPCB failing to which this provision EC will stand withdrawn.	for the CCA a	Complied Unit has receive the EC to CTE on 31/03/2023 now we are applying for the CCA amendment application. Attached as an <u>ANNEXURE-XX</u>				
105.	Wherever wastewater or chemical water to be collected by tankers and transported to CETP etc. and diversion and disposal in open drainage (nallah) etc. causing human and environmental damage or loss will make it liable for action under the law.	Noted Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.					
106.	All transport movement by tankers etc has to be done with maintenance of gate pass and logbook it should be verified by the inspecting authorities.	Noted					
107.	Non-Hazardous waste data shall be informed to GPCB time to time so as to make an assessment and tie-up with industry for generating sustainable power from the waste.	Complied Details of Non-Hazardous waste are as follows:					
		MONTH	SS Scrap (MT)	MS Scrap (MT)	Wooden (MT)		
		Apr, 2023	1.12	5.2	0		
		May, 2023	2.08	6.39	0		
		Jun, 2023	0	0	1.01		
		Jul, 2023	0	6.14	3.52		
		Aug, 2023	0	0	0		
		Sep, 2023	0	0	0.830		
108.	All chemical pharma industry etc. should ensure predictive and preventive maintenance of factory/boiler and reactive show as to avoid incident of fire and safety hazards.	Noted Unit will ensure that the predictive and preventive maintenance of factory/boiler and reactive systems show as to avoid incidents of fire and safety hazards.					
109.	EMP should include STP and detail cost including maintenance, transportation of wastewater to	Noted					

	I	T
	CETP/CMEE etc as well as transport cost or transit cost.	Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.
110.	In LDAR preventive & predictive maintenance plan.	As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. Attached in Point -3
111.	In LDAR leakage component, source of equipment leak, detention method should be given in table form.	As per CPCB guidelines, Unit has installed Instrumental methods for measurement of VOC detection at various locations to identify leak detection in plant areas to arrest on priority basis. We have different Instruments for the measurement of the VOC detection at the plant of different Places and all detectors are set as per the desired set point all are connected to the Hooter & DCS System. Hydrogen Detector System, Methanol Detector System, SO2 Detector System & Xylene Detector system. All are Directly connected with the DCS system.
112.	In storage component should be shown separately in terms whether inflammable, toxic,corrosive, reactive etc.	Complied
113.	In case of Fly ash generation its management and disposal should be as per Government of India Notification and 100% utilization should be ensured.	Noted. Unit has not generated any Fly ash within the premises.
114.	Project Proponent shall install all environment management system as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.	Compiled Unit has provided a Continuous Monitoring System (CEMS) for wastewater discharge (COD, BOD, TSS, pH & Flow) and the same has been connected to GPCB & CPCB Server. The unit does not have a boiler. Hence, no OCEMS for air emission.
115.	Project proponent shall display the copy of Environment clearance at the site prominently.	Complied
116.	Project proponent shall prepare and follow regular and preventive maintenance plan. The copy of same shall be submitted to SEIAA.	Complied Unit had the proper preventive maintenance plan and unit are doing on regularly basis to avoiding leakages, spillages etc
117.	Project Proponent will have to display the safety procedure in working area.	Complied
118.	The project proponent shall obtain all required permissions for safety, health and fire from competent authorities like PESO/Fire Authority etc. and intimate SEIAA.	Complied Unit had obtained the all necessary permission form the Competent authorities.
119.	Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP/TSDF/CHWIF/CMEE/Common Spray Dryer as the case may be.	Complied Unit has obtained the membership of common facilities like CETP/TSDF/CHWIF and same has been attached as an ANNEXURE-XIII
114. 115. 116. 117.	disposal should be as per Government of India Notification and 100% utilization should be ensured. Project Proponent shall install all environment management system as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition. Project proponent shall display the copy of Environment clearance at the site prominently. Project proponent shall prepare and follow regular and preventive maintenance plan. The copy of same shall be submitted to SEIAA. Project Proponent will have to display the safety procedure in working area. The project proponent shall obtain all required permissions for safety, health and fire from competent authorities like PESO/Fire Authority etc. and intimate SEIAA. Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP/TSDF/CHWIF/CMEE/Common Spray	Unit has not generated any Fly ash within the premises. Compiled Unit has provided a Continuous Monitoring System (CEMS) wastewater discharge (COD, BOD, TSS, pH & Flow) and the sa has been connected to GPCB & CPCB Server. The unit does not ha a boiler. Hence, no OCEMS for air emission. Complied Unit had the proper preventive maintenance plan and unit are do on regularly basis to avoiding leakages, spillages etc Complied Unit had obtained the all necessary permission form the Compet authorities. Complied Unit has obtained the membership of common facilities in CETP/TSDF/CHWIF and same has been attached as

120.	Extra care will be taken by PP to avoid any accidental blast in boiler,reactor or any machinery in the plant.	Noted Unit will take extra care to avoid any accidental blast in boiler,react or any machinery in the plant				
121.	Environment monitoring, training and disaster management plan should be undertaken and complied at regular interval.		Complied Unit had an onsite & Offsite disaster management plan and it was compiled on a regular interval. ANNEXURE-XIV			
122.	Integrated Regional Office of MoEF&CC, Gandhinagar and GPCB will monitor all environment, safety & Health norms as per the prevailing rules.	wastewater discharge	Continuous Monitoring St. (COD, BOD, TSS, pH & Io GPCB & CPCB Server.			
123.	The PP has to maintain the logsheets/registers/manifest/gatepass for discharge through tankers and SCADA system for pipeline discharge for the waste water generation and its disposal data and submit to the GPCB every Quarter. GPCB shall verify the same on regular basis and inform SEIAA and take legal action in the cases of non-compliance.	NOTED Unit was not transferring any wastewater or chemical water through the tanker to the CETP. All the generated wastewater are treated In House ETP.				
124.	Unit shall comply all the applicable standard conditions prescribed in office memorandum (OM) published by MoEF&CC vide no.F.No. 22-34/2018-IA.III dated 01/05/2018 for pharmaceutical and Chemical industries mentioned at (Sr. no.XX)	Noted & Complied				
125.	The Project proponent shall allocate the separate fund or Corporate Environment Responsibility (CER) in ecordance to the MoEFCC's Office memorandum No. No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the	Complied The project proponent has complied with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules 2014" and its amendments from time to time. The CER/CSR activities list have been below				
	project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of Half-yearly compliance report and to district collector. The Monitoring report shall be posted on the website of	Name of Associated NGO	Nature of Work	Amount (Rs)		
	the project proponent.	Sewa Rural	Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School	0.42 lacs-		
		Self	Greenbelt development opposite to Tatva Chintan Plant	80 lacs		
126.	Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before	Noted & will be complied Rain water harvesting tank with the capacity of 50 KL is provided for the Storage of RainWater for using the collected water during the monsoon. Area has been identified for the Rainwater harvesting				

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	recharging the surface run off, pre-treatment must be done to remove suspended matter.	system Now the PR/PO is in process. Once the PO is done then its construction activity will be started.
127.	The unit shall join and participate financially and technically for any common environmental facility/infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt./GIDC.	Complied The unit will participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the Industrial Association or SEZ / GIDC or GPCB or any such authority created for this purpose by the Govt.
128.	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.	Complied . Solar energy had been incorporated for illumination of common areas, lighting etc.
129.	The area earmarked as green area shall be used only for plantation and shall not be alerted for any other purpose.	Complied The greenbelt has been developed and maintained by the unit regularly. Budget Data for Green Belt Total area of plot: - 54803.04 m2 Greenbelt within Plant Premises: - 10367.85 m2, Greenbelt at common plot of Dahej SEZ II: - 2120.84 m2 Green Belt at Luvara Village: - 5700 m2 Total Green Belt: - 18188.69 m2
130.	All the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	Complied Unit has strictly adhered to the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management.
131.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	Complied We will comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of environmental protection and management.
132.	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Complied In the event of failure of any pollution control system, the unit will be safely closed down and will not be restarted until the desired efficiency of the control equipment has been achieved. The plant is controlled by DCS system.
133.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control	Complied
	<u> </u>	

	Board (GPCB), State Government and any statutory authority.	The unit is strictly adhering to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
134.	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	Complied 1. Unit has ensured no spillages during material transfer and garland drains have been constructed to avoid mixing of accidental spillages with domestic wastewater or stormwater. 2. For transfer of material to a tanker or tanker to a tank, a dyke wall has been made to prevent spillage and mixing with domestic & stormwater. 3. For the transfer of effluent to ETP, dedicated pits with automated pumps are present to prevent overflow. photos of garland tank, dyke wall, dedicated pits with automated pumps 1. The provided HTML representation of the provided

135.	Pucca flooring/ impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.	Complied Pucca flooring has been provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination. Photographs of the same are Given in Point no. 7.			
136.	Leakages from Pipes,pumps shall be minimal and if occurs shall be arrested promptly.		preventive maintenance plan avoiding leakages, spillages e		
137.	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.		to not take up any fur plant likely to cause envi ior Environment Clearance t		
138.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted. We will implement and follow all the rules and regulations under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules. ANNEXURE-XXI			
139.	The project proponent shall comply with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules 2014" and its amendments from time to time in a letter and spirit.	Complied The project proponent has complied with all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules 2014" and its amendments from time to time. The CER/CSR activities list have been below			
		Name of Associated Nature of Work Amount		Amount (Rs)	
		Sewa Rural Donation 76 No of Uniform at Balvakita Students Distribute in Lakhigam Village School		0.42 lacs-	
		Self Greenbelt development opposite to Tatva Chintan Plant			
140.	The project management shall ensure that the unit complies with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	Complied. Unit has complied with all the environmental protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report. The same has been attached in Annexure-IX .			
141.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well	Complied			

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	as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	The Unit has provided adequate funds and has not diverted the funds provided to implement the conditions stipulated by SEIAA as well as GPCB. The unit has allocated funds towards expenses of operation for waste water treatment plant, environmental monitoring, auditing and Hazardous waste disposal.
142.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in Gujarati language and the other in English. A copy of each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied The advertisement regarding the environmental clearance was given in the local newspapers and the copy of the same was submitted to the concerned regional office. The same has been attached in Annexure-XXII
143.	It shall be mandatory for the project management to submit a half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned on 1st June and 1st December of each calendar year.	Complied Last half yearly compliance report for the period of Oct 2022 to March 2022 submitted on the date of 31st May, 2023.
144.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
145.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied Unit will strictly adhere to the stipulations made by the Gujarat Pollution Control Board.
146.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted.
147.	The company in a time bound manner shall implement these conditions. The SIEAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted.
148.	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied Unit has received fresh CC&A order No AWH-108072, dated 10/09/2020, Valid upto 19/02/2025 and further amendment was done with AWH-113931 dated on 22/09/2021 & AWH-113932 dated on 08/10/2021. Unit has received the EC to CTE for the Amendment in product Expansion.
149.	This environmental clearance is valid for Ten years from the date of issue.	Noted.

150.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
151.	Submission of any false or misleading information or data which is material to screening of scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted.
B.4 CC	OMPLIANCE OF ENVIRONMENT CLEARANCE/REPOR	RTING/ADMINISTRATION/APPEAL:
152.	Project proponent shall submit certified compliance report of IRO, gandhinagar for Existing EC obtained within 10 days.	Complied
153.	Project Proponent shall inform all the concerned authorities including Municipal Corporation and District Collector and shall give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.	Complied Attached Point no. 142.
154.	Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition full on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of Compliance. Any Change in key person shall immediately be informed to SEIAA and all concern authorities.	Complied Environment Management Unit/Cell is shown below: FLOW BIAGRAM OF ENVIRONMENT MANAGEMENT CELL Discour (Tochasest) Sign Management (1315 Climpocate) Sign Management (1515 Climpocat
155.	Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MoEF&CC, GPCB and Nodal Department of the Government.	Complied Last half yearly compliance report for the period of Oct 2022 to March 2022 submitted on the date of 31st May, 2023.
156.	The Nodal Department or any authority or officer authorized by MoEF&CC/SEIAA can inspect the site of	Noted.

	the project and all the facilities, for verification of compliances of environment clearance conditions.	
157.	In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per environment protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the Environment Clearance accorded.	Noted
158.	Any Person including the project proponent affected by this Environment clearance order may file appeal to Honorable National Green Tribunal West Zone Branch, Pune, Preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.	Noted
159.	All Complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a)msseiaagi@gmail.com & (b) seacgujarat@gmail.com	Noted

					CALIBRATIO	CALIBRATIO	
SR NO	TAG	ТҮРЕ	LOCATION	INST RANGE	N RANGE	N DATE	DUE DATE
1	H2-001	Hydrogen	QC LAB GAS BANK (Gnd Floor)	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
2	H2-002	Hydrogen	GC LAB	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
3	H2-003	Hydrogen	GC LAB	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
4	H2-004	Hydrogen	GCMS ROOM	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
5	H2-005	Hydrogen	General Lab	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
6	H2-006	Hydrogen	Inside R&D Lab (auto clave room)	0-100% LEL	0-50% LEL	11.08.2023	10.02.2024
7	O2-001	Oxygen(Inflation/Deflation)	GC ROOM	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
8	O2-002	Oxygen(Inflation/Deflation)	GCMS ROOM	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
9	O2-003	Oxygen(Inflation/Deflation)	General Lab	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
10	O2-004	Oxygen(Inflation/Deflation)	Inside R&D Lab (auto clave room)	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
11	O2-005	Oxygen(Depletion Type)	Duct -1 (Above Document Room)	0-30 % Volume	15% Volume	11.08.2023	10.02.2024
12	O2-006	Oxygen(Depletion Type)	QC LAB DUCT 2	0-30 % Volume	15% Volume	12.08.2023	11.02.2024
13	NH3-001	Ammonia	Duct -1 (Above Document Room)	100 PPM	50 PPM	12.08.2023	11.02.2024
14	NH3-002	Ammonia	QC LAB DUCT 2	100 PPM	50 PPM	12.08.2023	11.02.2024
15	CO-001	Carbon Monoxide	Duct -1 (Above Document Room)	1000 PPM	500 PPM	12.08.2023	11.02.2024
16	CO-002	Carbon Monoxide	QC LAB DUCT 2	1000 PPM	500 PPM	12.08.2023	11.02.2024
17	H2S-001	Hydrogen sulphide	Duct -1 (Above Document Room)	100 PPM	50 PPM	12.08.2023	11.02.2024
18	H2S-002	Hydrogen sulphide	QC LAB DUCT 2	100 PPM	50 PPM	12.08.2023	11.02.2024
19	AT-1103	Hydrogen	H2 PRS Station -Gnd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
20	AT-1104	Hydrogen	2P0103 Top -Gnd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
21	AT-1106	Hydrogen	2V0105 Top- 2nd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
22	AT-1107	Hydrogen	2R0101 to 2E0101 Line - 3 rd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
23	AT-1109	Hydrogen	2V0110 Top- 3 rd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
24	AT-1110	Hydrogen	2E0104 Top -5 th Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
25	AT-1111	Hydrogen	Vent Header- 5 th floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
26	AT-1108	Methanol	2V0201 Top- 4 th Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
27	AT-1105	Methanol	2P0101 A Gnd Floor	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024

			2V0118 Methanol Storage Tank				
28	AT-1101	Methanol	Gnd floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
29	AT-1102	Methanol	P-116A/B -Gnd floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
30	AT-1112	Methanol	2V0103 Top -2nd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
31	AT-1113	Methanol	On DCA XYLENE Tank	0-100% LEL	0-100% LEL	11.08.2023	10.02.2024
32	5-ANT-0104	So2 Gas	ABOVE 5-R-0101	0 to 20 PPM		11.08.2023	10.02.2024
33	5-ANT-0106	So2 Gas	AT BUFFER TANK 5V0106	0 to 20 PPM		11.08.2023	10.02.2024
34	5-ANT-0208	So2 Gas	ABOVE 5-R-0202	0 to 20 PPM		11.08.2023	10.02.2024
35	5-ANT-0107	So2 Gas	BESIDE 5-R-0101	0 to 20 PPM		11.08.2023	10.02.2024
36	5-ANT-0105	So2 Gas	BESIDE SPARGER TANK	0 to 20 PPM		11.08.2023	10.02.2024
37	5-ANT-0103	So2 Gas	ABOVE SPARGER TANK 5-A-0101	0 to 25 PPM		11.08.2023	10.02.2024
38	5-ANT-0108	So2 Gas	BETWEEN 5-R-0203& 5-R-0202	0 to 25 PPM		11.08.2023	10.02.2024
39	5-ANT-0109	So2 Gas	ABOVE SULFER MELTER	0 to 20 PPM		11.08.2023	10.02.2024
40	4-AT-0317	Xylene	CR PLANT 2nd Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
41	4-AT-0318	Xylene	CR PLANT 1st Floor	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024
42	2-AT-0201	Methanol	RECOVERD MEOH		0-100% LEL	12.08.2023	11.02.2024
43	2-AT-0202	Methanol	RECOVERD MEOH		0-100% LEL	12.08.2023	11.02.2024
44	2-AT-0203	Methanol	2-V-0104 SAMPLE VALVE		0-100% LEL	12.08.2023	11.02.2024
45	9-AT-1001	ozone	OZONE GENERATER		0-10 ppm	12.08.2023	11.02.2024
46	9-AT-1002	ozone	OZONE GENERATER		0-10 ppm	12.08.2023	11.02.2024
47	9-AT-0904	Xylene	ETP PHENOL PLANT		0-100% LEL	11.08.2023	10.02.2024
48	9-AT-0905	Xylene	ETP PHENOL PLANT		0-100% LEL	11.08.2023	10.02.2024
49	ADMIN-01	Hydrogen	Admin Building UPS ROOM	0-100% LEL	0-100% LEL	12.08.2023	11.02.2024

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: April - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-001 Report Issue Date: 05/05/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NO x μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	04/04/2023	83	33	22.5	28.2	
2	05/04/2023	86	34	19.2	24.7	
3	12/04/2023	80	29	21.2	27.1	
4	13/04/2023	84	30	24.5	26.1	
5	17/04/2023	83	31	21.0	24.5	
6	19/04/2023	81	29	25.2	27.6	
7	24/04/2023	84	32	23.7	28.1	
8	25/04/2023	78	26	22.5	26.4	
	Max.	86	34	25.2	28.2	
Min.		78	26	19.2	24.5	
	98 th Percentile	85.7	33.9	25.1	28.2	
Per	missible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: April - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-002 Report Issue Date: 05/05/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	04/04/2023	75	28	20.8	24.2		
2	05/04/2023	78	25	23.7	26.2		
3	12/04/2023	82	31	22.1	27.5		
4	13/04/2023	80	29	22.6	27.7		
5	17/04/2023	76	26	24.0	27.4		
6	19/04/2023	70	24	19.9	25.8		
7	24/04/2023	76	25	19.0	25.0		
8	25/04/2023	72	26	22.5	26.8		
Max.		82	31	24.0	27.7		
Min.		70	24	19.0	24.2		
98 th Percentile		81.7	30.7	24.0	27.7		
Per	missible Limit (As Per NAAQMS)	100	60	80	80		

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: April - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-003 Report Issue Date: 05/05/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

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		Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NO x μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	04/04/2023	72	29	22.2	27.8	
2	05/04/2023	76	26	25.6	29.6	
3	12/04/2023	67	24	19.3	25.4	
4	13/04/2023	77	32	22.5	26.7	
5	17/04/2023	82	28	22.6	25.4	
6	19/04/2023	76	26	19.8	22.9	
7	24/04/2023	72	23	21.2	23.5	
8	25/04/2023	80	30	23.7	27.6	
	Max.	82	32	25.6	29.6	
Min.		67	23	19.3	22.9	
98 th Percentile		81.7	31.7	25.3	29.3	
Per	missible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tande

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month : May - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-001 Report Issue Date: 05/05/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m ³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/05/2023	78	28	18.2	23.3	
2	03/05/2023	85	30	19.5	22.8	
3	08/05/2023	82	27	17.2	23.3	
4	09/05/2023	88	32	20.8	25.1	
5	15/05/2023	75	26	16.7	20.3	
6	16/05/2023	77	27	22.5	26.5	
7	22/05/2023	79	29	19.1	23.4	
8	23/05/2023	82	26	18.8	22.3	
9	29/05/2023	84	30	20.3	25.3	
10	30/05/2023	76	25	19.8	24.5	
	Max.	88	32	22.5	26.5	
	Min.	75	25	16.7	20.3	
	98 th Percentile	87.5	31.6	22.2	26.3	
Per	missible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard. 3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: May - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-002 Report Issue Date: 05/05/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM₁₀ μg/m ³	PM_{2.5} µg/m ³	SOx μg/m³	NO x μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/05/2023	82	30	19.9	25.2	
2	03/05/2023	80	27	21.2	25.8	
3	08/05/2023	86	31	18.5	23.6	
4	09/05/2023	76	27	17.3	24.1	
5	15/05/2023	78	29	19.1	23.2	
6	16/05/2023	80	30	20.5	26.3	
7	22/05/2023	75	22	21.3	24.8	
8	23/05/2023	74	23	20.4	25.6	
9	29/05/2023	78	26	22.5	27.3	
10	30/05/2023	72	24	23.4	26.8	
	Max.	86	31	23.4	27.3	
Min.		72	22	17.3	23.2	
	98 th Percentile	85.3	30.8	23.2	27.2	
Per	missible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

lutnorizea By:

Jaivik S. Tande

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: May - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-003 Report Issue Date: 05/05/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

			Parameter v	vith Results		
Sr. No.	Date of Monitoring	PM₁₀ μg/m³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/05/2023	75	24	16.8	20.5	
2	03/05/2023	78	28	21.8	26.2	
3	08/05/2023	72	23	18.9	23.1	
4	09/05/2023	80	29	18.2	22.3	
5	15/05/2023	76	25	20.2	24.1	
6	16/05/2023	78	28	18.3	23.8	
7	22/05/2023	82	23	22.5	27.1	
8	23/05/2023	72	24	21.2	26.3	
9	29/05/2023	80	32	19.2	24.1	
10	30/05/2023	78	27	20.5	25.5	
Max.		82	32	22.5	27.1	
Min.		72	23	16.8	20.5	
98 th Percentile		81.6	31.5	22.4	27.0	
Per	missible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Plant discount

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: June - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/06/AIL-2/A-001 Report Issue Date: 05/07/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

			Parameter v	with Results		
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx µg/m ³	NOx μg/m ³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	05/06/2023	72	23	17.2	20.6	
2	06/06/2023	74	23	20.3	21.6	
3	12/06/2023	80	28	17.6	22.5	
4	13/06/2023	76	25	16.5	20.8	
5	19/06/2023	84	30	18.4	23.3	
6	20/06/2023	75	23	19.2	24.8	
7	26/06/2023	78	28	20.1	21.4	
8	27/06/2023	80	26	16.8	22.7	
	Max.	84	30	20.3	24.8	
Min.		72	23	16.5	20.6	
	98 th Percentile	83.4	29.7	20.3	24.6	
Perr	missible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard. 3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: June - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/06/AIL-2/A-002 Report Issue Date: 05/07/2023

Location : AAQM-2 : Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter v	ith Results			
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m ³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	05/06/2023	76	24	18.7	21.2		
2	06/06/2023	68	25	16.3	19.4		
3	12/06/2023	75	22	19.1	17.7		
4	13/06/2023	69	27	18.4	21.5		
5	19/06/2023	73	24	16.6	23.7		
6	20/06/2023	77	23	17.2	19.4		
7	26/06/2023	70	25	19.5	18.6		
8	27/06/2023	72	27	16.4	22.5		
	Max.	77	27	19.5	23.7		
Min.		68	22	16.3	17.7		
98 th Percentile		76.9	27.0	19.4	23.5		
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80		

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: June - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/06/AIL-2/A-003 Report Issue Date: 05/07/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

			Parameter v	rith Results		
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	05/06/2023	83	30	18.3	24.4	
2	06/06/2023	86	32	14.7	19.7	
3	12/06/2023	78	29	16.3	21.4	
4	13/06/2023	82	31	18.2	20.5	
5	19/06/2023	74	33	15.8	18.6	
6	20/06/2023	87	24	17.6	23.3	
7	26/06/2023	84	28	16.1	22.8	
8	27/06/2023	79	25	15.0	21.2	
Max.		87	33	18.3	24.4	
Min.		74	24	14.7	18.6	
98 th Percentile		86.9	32.9	18.3	24.2	
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: July-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-001 Report Issue Date: 05/08/2023

Location : AAQM-1 : Near Main Gate Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

			Parameter v	vith Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/07/2023	76	24	20.8	24.4
2	05/07/2023	80	22	22.6	25.4
3	02/07/2023	72	24	19.8	22.9
4	13/07/2023	82	20	19.3	25.4
5	17/07/2023	76	23	23.7	27,6
6	18/07/2023	72	25	21.2	23.5
7	27/07/2023	74	24	22.5	26.7
8	28/07/2023	68	20	25.6	29.6
Max.		82	25	25.6	29.6
Min.		68	20	19.3	22.9
98 th Percentile		81.7	24.9	25.3	29.3
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard. 3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: July-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-002 Report Issue Date: 05/08/2023

Location : AAQM-2 : Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter v	vith Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} µg/m ³	SOx μg/m³	NO x μg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/07/2023	75	28	22.2	26.4
2	05/07/2023	78	26	21.0	23.9
3	02/07/2023	72	33	25.2	27.6
4	13/07/2023	74	31	21.2	27.1
5	17/07/2023	81	29	22 <u>.</u> 9	26.4
6	18/07/2023	84	33	23.7	27.6
7	27/07/2023	80	34	24.5	26.1
8	28/07/2023	78	29	19.2	24.7
Max.		84	34	25.2	27.6
Min.		72	26	19.2	23.9
98 th Percentile		83.6	33.9	25.1	27.6
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard. 3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By: Nikunj D. Patel

(Chemist)

Jaivik S. Tande

Authorized By:

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: July-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/07/AIL-2/A-003 Report Issue Date: 05/08/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m ³	NOx μg/m ³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	04/07/2023	74	26	19.5	23.3	
2	05/07/2023	72	26	24.0	27.4	
3	02/07/2023	75	28	19.9	25.8	
4	13/07/2023	76	26	22.1	27.5	
5	17/07/2023	70	24	22 <u>.</u> 5	26.8	
6	18/07/2023	76	27	19.0	25.0	
7	27/07/2023	78	26	22.6	27.7	
8	28/07/2023	75	24	23.7	26.2	
Max.		78	28	24.0	27.7	
Min.		70	24	19.0	23.3	
98 th Percentile		77.7	27.9	24.0	27.7	
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard. 3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tande

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: August- 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-001 Report Issue Date: 05/09/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NOx μg/m ³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/08/2023	68	24	11.7	20.6	
2	03/08/2023	59	20	15.8	22.7	
3	07/08/2023	62	22	16.9	20.8	
4	08/08/2023	69	21	15.4	21.2	
5	17/08/2023	63	18	18.2	23.4	
6	18/08/2023	71	24	16.9	20.2	
7	23/08/2023	72	20	15.4	19.1	
8	24/08/2023	74	23	14.3	18.4	
9	28/08/2023	59	18	16.2	22.3	
10	29/08/2023	62	22	18.1	24.5	
	Max.	74	24	18.2	24.5	
	Min.	59	18	11.7	18.4	
	98 th Percentile	73.6	24.0	18.2	24.3	
Pern	missible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

uthorized By

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: August- 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-002 Report Issue Date: 05/09/2023

Location : AAQM-2 : Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NOx μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/08/2023	70	25	13.2	18.1	
2	03/08/2023	61	22	18.6	23.4	
3	07/08/2023	60	20	15.7	21.2	
4	08/08/2023	65	18	16.3	20.5	
5	17/08/2023	69	20	17.8	21.3	
6	18/08/2023	67	22	14.3	19.7	
7	23/08/2023	70	18	16.1	21.3	
8	24/08/2023	68	20	17.5	20.2	
9	28/08/2023	61	19	15.8	19.5	
10	29/08/2023	60	20	16.4	22.6	
	Max.	70	25	18.6	23.4	
	Min.	60	18	13.2	18.1	
	98 th Percentile	70.0	24.5	18.5	23.3	
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

uthorized By

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: August- 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-003 Report Issue Date: 05/09/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

	/ · · · · · · · · · · · · · · · · · · ·					
			Parameter with Results			
Sr. No.	Date of Monitoring	PM₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NOx μg/m ³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/08/2023	66	22	15.1	21.3	
2	03/08/2023	57	17	16.4	20.2	
3	07/08/2023	63	25	13.5	19.7	
4	08/08/2023	58	16	15.9	22.4	
5	17/08/2023	61	21	16.5	17.3	
6	18/08/2023	63	18	13.6	17.1	
7	23/08/2023	66	22	14.8	19.4	
8	24/08/2023	70	21	15.2	21.5	
9	28/08/2023	59	17	18.3	22.8	
10	29/08/2023	63	25	14.7	18.0	
	Max.	70	25	18.3	22.8	
	Min.	57	16	13.5	17.1	
	98 th Percentile	69.3	25.0	18.0	22.7	
Perm	nissible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel (Chemist) uthorized By

Jaivik S. Tande

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-001 Report Issue Date: 05/10/2023

Location : AAQM-1 : Near Main Gate Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

		Parameter with Results					
Sr. No.	Date of Monitoring	PM₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	05/09/2023	78	25	14.5	18.2		
2	07/09/2023	66	21	13.5	21.2		
3	14/09/2023	60	20	14.8	21.3		
4	15/09/2023	70	25	18.3	19.5		
5	19/09/2023	69	20	15.1	18.1		
6	20/09/2023	61	19	16.4	23.4		
7	25/09/2023	65	18	15.2	20.2		
8	26/09/2023	70	25	16.2	20.1		
	Max.	78	25	18.3	23.4		
Min.		60	18	13.5	18.1		
	98 th Percentile	76.9	25.0	18.0	23.1		
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80		

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

(Manager - Operations)

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-002 Report Issue Date: 05/10/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NO x μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	05/09/2023	67	24	17.2	21.5		
2	07/09/2023	59	23	16.9	20.8		
3	14/09/2023	63	25	15.4	19.1		
4	15/09/2023	66	22	16.2	22.3		
5	19/09/2023	61	21	11.7	20.6		
6	20/09/2023	57	17	15.8	22.7		
7	25/09/2023	58	16	14.3	18.4		
8	26/09/2023	66	20	18.8	23.2		
	Max.	67	25	18.8	23.2		
Min.		57	16	11.7	18.4		
	98 th Percentile	66.9	24.9	18.6	23.1		
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80		

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

(Manager - Operations)

Authorized By:

Jaivik S. Tandel

Ambient Air Quality Monitoring Data

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-003 Report Issue Date: 05/10/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

·							
			Parameter with Results				
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	05/09/2023	74	23	15.1	20.2		
2	07/09/2023	65	19	15.7	19.7		
3	14/09/2023	62	22	16.1	19.4		
4	15/09/2023	68	24	15.8	22.8		
5	19/09/2023	63	18	13.2	21.3		
6	20/09/2023	59	18	18.6	20.2		
7	25/09/2023	69	21	17.5	21.5		
8	26/09/2023	72	23	15.5	21.6		
	Max.	74	24	18.6	22.8		
Min.		59	18	13.2	19.4		
	98 th Percentile	73.7	23.9	18.4	22.6		
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80		

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tande

(Manager - Operations)





Consultant Organization

GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Confed Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

	(or ten morning)			
Test Report No.	UERL/23/04/AIL-2/S-001	Report Issue Date	05/05/2023	
Service Request form No.	UERL/AIR/D/SRF/04/S-001	Service Request Date	20/04/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/04/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/001	
	M/s. AARTI INDUSRIES LTD. (Unit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.		
Date of Sampling	20/04/2023	Date of Testing	21/04/2023	
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 125
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm³/h	230.0

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	25	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.5	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) 50 9001 2015 Certified Company GO 40001 (2018) Conflod Company

TEST REPORT (STACK MONITORING)

	(STACK INDIVI	romito,			
Test Report No.	UERL/23/04/AIL-2/S-002	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-002	Service Request Date	20/04/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/04/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/04/002		
	M/s. AARTI INDUSRIES LTD. (Unit-2)				
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	20/04/2023	Date of Testing	21/04/2023		
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL® U KESEAL	II Lads PVI. Liu. 33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	229.6

Test Parameter Results

DISCIF	PLINE – CHEMICAL TESTING	NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.9	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

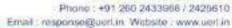
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

Note: This report is subject to Terms and Conditions mentioned overleaf.





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TEST REPORT (STACK MONITORING)

	(STATE)	· Oranico,			
Test Report No.	UERL/23/04/AIL-2/S-003	Report Issue Date	05/05/2023		
Service Request form No. UERL/AIR/D/SRF/04/S-003 Service Request Date		20/04/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/04/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/0				
	M/s. AARTI INDUSRIES LTD. (I	M/s. AARTI INDUSRIES LTD. (Unit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	20/04/2023	Date of Testing	21/04/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I th
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	236.3

> Test Parameter Results

DISCIP	PLINE – CHEMICAL TESTING	NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

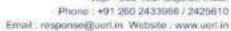
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.





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TEST REPORT (STACK MONITORING)

	(STACK MOTOR				
Test Report No.	UERL/23/04/AIL-2/S-004	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-004	UERL/AIR/D/SRF/04/S-004 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/04/004	JERL/AIR/D/ID/S-23/04/004 Field Data Sheet No. UERL/AIR/D/FD			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	Date of Testing	20/04/2023		
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)				
Air Pollution Control Device	Alkali Scrubber				

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	04/04/2022	Next Calibration Due On	05/05/2023	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	33
3.	Flue Gas Temperature	Violine il ∘c id Keseaid	n Lads Pvt. Ltd. 348

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

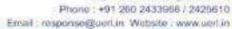
Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report *****

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Certified Company Gottlied Company

TEST REPORT (STACK MONITORING)

	(STACK HOLL				
Test Report No.	UERL/23/04/AIL-2/S-005	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-005	UERL/AIR/D/SRF/04/S-005 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/04/005	UERL/AIR/D/ID/S-23/04/005 Field Data Sheet No. UERL/AIR/D/FDS/S-			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)				
Air Pollution Control Device	Alkali Scrubber				

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	04/04/2022	Next Calibration Due On	05/05/2023	

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	nvironmen ^o Cand Resea	rch Lahs Pvt Ltd 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

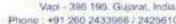
3) **: Limit Not Define in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Email: response@uert.in Website : www.uert.in



MoEF&CC (GOI) Recognized Environmental Laboratory ander the 8PA 1984 (\$1.03.2023 to 22.09.2024)

QCINASET Accredited E/A & GW Consultant Organization

GPCB Recognited Environmental Auditor (Schedule-II)

SO 9001-2015 Confied Company

ISO 40001 (2018) Cortified Company

TEST REPORT (STACK MONITORING)

(STACK WORLT CHILLE)			
UERL/23/04/AIL-2/S-006	Report Issue Date	05/05/2023	
UERL/AIR/D/SRF/04/S-006	UERL/AIR/D/SRF/04/S-006 Service Request Date		
UERL/AIR/D/ID/S-23/04/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahei-392130. Guiarat.			
19/04/2023	Date of Testing	20/04/2023	
Scrubber Connected to DCP. (S-3)			
Alkali Scrubber			
	UERL/23/04/AIL-2/S-006 UERL/AIR/D/SRF/04/S-006 UERL/AIR/D/ID/S-23/04/006 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Scrubber Connected to DCP. (S	UERL/23/04/AIL-2/S-006 Report Issue Date UERL/AIR/D/SRF/04/S-006 Service Request Date UERL/AIR/D/ID/S-23/04/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing Scrubber Connected to DCP. (S-3)	

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/04/2022	Next Calibration Due On	22/06/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	ironment and Research	Lahs Pvt Ltd 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	5.5	25	IS: 11255 (Part 7): 2005 RA.2017

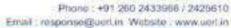
Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





Consultant Organization

GPCB Recognited Environmental Auditor (Schedule-II) 50 9001 2015 Certified Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

Test Report No.	UERL/23/04/AIL-2/S-007	Report Issue Date	05/05/2023	
Service Request form No.	UERL/AIR/D/SRF/04/S-007	Service Request Date	19/04/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/04/007	UERL/AIR/D/ID/S-23/04/007 Field Data Sheet No. U		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	19/04/2023	Date of Testing	20/04/2023	
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)			
Air Pollution Control Devise	Venturi Water Scrubber			

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	04/04/2022	Next Calibration Due on	05/05/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

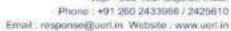
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	15.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	0.5	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.
3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist) **Authorized By:**





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Certified Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

(STACK MOTOR CALLED)				
UERL/23/04/AIL-2/S-008	Report Issue Date	05/05/2023		
UERL/AIR/D/SRF/04/S-008	Service Request Date	19/04/2023		
UERL/AIR/D/ID/S-23/04/008 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04				
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
19/04/2023	Date of Testing	20/04/2023		
Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)				
Alkali Scrubber				
	UERL/23/04/AIL-2/S-008 UERL/AIR/D/SRF/04/S-008 UERL/AIR/D/ID/S-23/04/008 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Common Alkali Scrubber Conn	UERL/23/04/AIL-2/S-008 Report Issue Date UERL/AIR/D/SRF/04/S-008 Service Request Date UERL/AIR/D/ID/S-23/04/008 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing Common Alkali Scrubber Connected to SO2 Tank Farm. (

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	04/04/2022	Next Calibration Due on	05/05/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 40

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:2.0)	40	IS 11255 (Part 2)

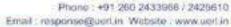
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) 50 9001 2015 Certified Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/04/AIL-2/S-009	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-009	Service Request Date	19/04/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/04/009	UERL/AIR/D/ID/S-23/04/009 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/009			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	Date of Testing	20/04/2023		
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)				
Air Pollution Control Devise	Water Scrubber				

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-l-19	
Calibration Date	04/04/2022	Next Calibration Due on	05/05/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 48

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	3.2	**	GC Method

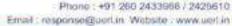
Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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TEST REPORT (STACK MONITORING)

\				
UERL/23/04/AIL-2/S-010	Report Issue Date	05/05/2023		
UERL/AIR/D/SRF/04/S-010	UERL/AIR/D/SRF/04/S-010 Service Request Date			
UERL/AIR/D/ID/S-23/04/010	UERL/AIR/D/ID/S-23/04/010 Field Data Sheet No. UERL/AIR/D/FDS/S-23			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahei-392130, Gujarat.				
19/04/2023	19/04/2023 Date of Testing 20/04/2023			
HNO3 Tank. (S-8)				
3 Stage Lime Scrubber				
	UERL/23/04/AIL-2/S-010 UERL/AIR/D/SRF/04/S-010 UERL/AIR/D/ID/S-23/04/010 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 HNO3 Tank. (S-8)	UERL/AIR/D/SRF/04/S-010 Service Request Date UERL/AIR/D/ID/S-23/04/010 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing HNO3 Tank. (S-8)		

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/04/2022	Next Calibration Due On	22/06/2023	

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmen°Cand Rese	arch Labs Pvt. Ltd. 45

> Test Parameter Results

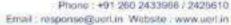
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





Consultant Organization

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TEST REPORT (STACK MONITORING)

	(STACK MON				
Test Report No.	UERL/23/04/AIL-2/S-011	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-011	UERL/AIR/D/SRF/04/S-011 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/04/011	UERL/AIR/D/ID/S-23/04/011 Field Data Sheet No. UERL/AIR/D/FDS/S-23/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)				
Air Pollution Control Devise	Alkali Scrubber				

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	04/04/2022	Next Calibration Due On	05/05/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	Invironmen ^o Cand Resea	rch Lahs Pyt Ltd 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

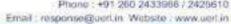
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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TEST REPORT (STACK MONITORING)

	(STACK WOLL				
Test Report No.	UERL/23/04/AIL-2/S-012	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-012	UERL/AIR/D/SRF/04/S-012 Service Request Date 19/04/202			
Sample ID No.	UERL/AIR/D/ID/S-23/04/012	UERL/AIR/D/ID/S-23/04/012 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Stack Sampling Attached to	Liquid SO3 & Oleum Tank.				
Air Pollution Control Devise	Acid Scrubber				

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-l-19	
Calibration Date	04/04/2022	Next Calibration Due on	05/05/2023	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmen°and Rese	arch Lahs Pvt Ltd 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

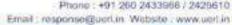
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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TEST REPORT (STACK MONITORING)

	(STACK WOIL	,			
Test Report No.	UERL/23/04/AIL-2/S-013	Report Issue Date	05/05/2023		
Service Request form No.	UERL/AIR/D/SRF/04/S-013 Service Request Date 19/04/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/04/013	UERL/AIR/D/ID/S-23/04/013 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/01			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	19/04/2023	Date of Testing	20/04/2023		
Stack Sampling Attached to	SAC And TAR Plant.				
Air Pollution Control Devise	Alkali Spray Scrubber				

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	04/04/2022	Next Calibration Due on	05/05/2023	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 38

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

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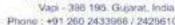
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 19

Note: This report is subject to Terms and Conditions mentioned overleaf.



Email: response@uerl.in Website : www.uerl.in



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QCINASET Accredited E/A & GW Consultant Organization

GPCB Recognited Environmental Auditor (Schedule-II)

SO 9001-2015 Confied Company

ISO 40001 (2018) Cortified Company

TEST REPORT (STACK MONITORING)

UERL/23/04/AIL-2/S-014 UERL/AIR/D/SRF/04/S-014	Report Issue Date	05/05/2023		
UERL/AIR/D/SRF/04/S-014				
1	Service Request Date	19/04/2023		
UERL/AIR/D/ID/S-23/04/014	UERL/AIR/D/ID/S-23/04/014 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/0			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
19/04/2023	19/04/2023 Date of Testing 20/04/2023			
Scrubber Connected to NSA (S-2)				
Alkali Scrubber				
	M/s. AARTI INDUSRIES LTD. (U Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Scrubber Connected to NSA (S	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 19/04/2023 Date of Testing Scrubber Connected to NSA (S-2)		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	04/04/2022	Next Calibration Due on	05/05/2023	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Carified Company GO 40001 2018 Cortled Company

TEST REPORT

	(STACK INDIVI	TOKINOJ		
Test Report No.	UERL/23/05/AIL-2/S-001	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/05/S-001	Service Request Date	31/05/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/05/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/001	
	M/s. AARTI INDUSRIES LTD. (I	Jnit-2)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Pa	Plot No. Z/103/C, Dahej SEZ Part-II,		
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.		
Date of Sampling	31/05/2023	Date of Testing	01/06/2023	
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 126
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	237.0

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

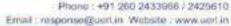
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7

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TEST REPORT (STACK MONITORING)

	(STACK MOIN	· Oranico		
Test Report No.	UERL/23/05/AIL-2/S-002	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/05/S-002 Service Request Date 31/05/2023		31/05/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/05/002	UERL/AIR/D/ID/S-23/05/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0		
	M/s. AARTI INDUSRIES LTD. (U	Jnit-2)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	31/05/2023	Date of Testing	01/06/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 35
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm³/h	240.9

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP	– ATMOSPHERIC	POLLUTION
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

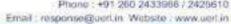
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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TEST REPORT (STACK MONITORING)

	(STACK MON			
Test Report No.	UERL/23/05/AIL-2/S-003	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/05/S-003	Service Request Date	31/05/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/05/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/003	
	M/s. AARTI INDUSRIES LTD. (I	Jnit-2)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	31/05/2023	Date of Testing	01/06/2023	
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 35
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm³/h	236.1

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	27	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

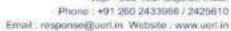
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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TEST REPORT (STACK MONITORING)

(STACK MISTATION					
Test Report No.	UERL/23/05/AIL-2/S-004	Report Issue Date	07/06/2023		
Service Request form No.	UERL/AIR/D/SRF/05/S-004	Service Request Date	31/05/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/05/004	JERL/AIR/D/ID/S-23/05/004 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	Date of Testing	01/06/2023		
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)				
Air Pollution Control Device	Alkali Scrubber				

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	35
3.	Flue Gas Temperature	vironment ∘c la Researc	n Lads Pvt. Ltd. 344

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

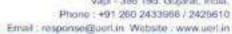
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Certified Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

(STACK INSTALLS)			
Test Report No.	UERL/23/05/AIL-2/S-005	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-005	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/005
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)		
Air Pollution Control Device	Alkali Scrubber		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	Invironmen ^c and Resea	rch Lahs Pvt Ltd 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

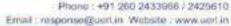
3) **: Limit Not Define in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Certified Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

•	<u> </u>	
UERL/23/05/AIL-2/S-006	Report Issue Date	07/06/2023
UERL/AIR/D/SRF/05/S-006	Service Request Date	31/05/2023
UERL/AIR/D/ID/S-23/05/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/006
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,		
31/05/2023	Date of Testing	01/06/2023
Scrubber Connected to DCP. (S-3)		
Alkali Scrubber		
	UERL/AIR/D/SRF/05/S-006 UERL/AIR/D/ID/S-23/05/006 M/s. AARTI INDUSRIES LTD. (U Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Scrubber Connected to DCP. (S	UERL/AIR/D/SRF/05/S-006 Service Request Date UERL/AIR/D/ID/S-23/05/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing Scrubber Connected to DCP. (S-3)

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/05/2022	Next Calibration Due On	22/06/2023	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	ironment and Research	Lahs Pyt Ltd 42

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.1	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCINASET Accredited E/A & GW Consultant Organization

GPCB Recognited Environmental Auditor (Schedule-II)

SO 9001-2015 Confied Company

ISO 40001 (2018) Cortified Company

TEST REPORT (STACK MONITORING)

	(STACK WOIL	110111101	
Test Report No.	UERL/23/05/AIL-2/S-007	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-007	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/007
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)		
Air Pollution Control Devise	Venturi Water Scrubber		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 50

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	12.1	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.2	**	GC Method

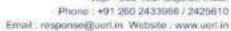
Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit. 3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Certified Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

	(STACK WOLL				
Test Report No.	UERL/23/05/AIL-2/S-008	Report Issue Date	07/06/2023		
Service Request form No.	UERL/AIR/D/SRF/05/S-008	Service Request Date	31/05/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/05/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/008		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	31/05/2023 Date of Testing 01/06/2023			
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 42

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:2.0)	40	IS 11255 (Part 2)

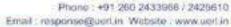
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





Consultant Organization

GPCB Recognited Environmental Auditor (Schedule-II) 50 9001 2015 Certified Company SO 40001 2018 Cortfled Company

TEST REPORT (STACK MONITORING)

	(STACK HOLL			
Test Report No.	UERL/23/05/AIL-2/S-009	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/05/S-009	Service Request Date	31/05/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/05/009	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/009	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	31/05/2023	31/05/2023 Date of Testing 01/06/2023		
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)			
Air Pollution Control Devise	Water Scrubber			

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	1.5	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) 50 9001 2015 Certified Company GO 40001 2018 Cortled Company

TEST REPORT (STACK MONITORING)

(011101111011		
UERL/23/05/AIL-2/S-010	Report Issue Date	07/06/2023
UERL/AIR/D/SRF/05/S-010	Service Request Date	31/05/2023
UERL/AIR/D/ID/S-23/05/010	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/010
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
31/05/2023	Date of Testing	01/06/2023
HNO3 Tank. (S-8)		
3 Stage Lime Scrubber		
	UERL/23/05/AIL-2/S-010 UERL/AIR/D/SRF/05/S-010 UERL/AIR/D/ID/S-23/05/010 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 HNO3 Tank. (S-8)	UERL/AIR/D/SRF/05/S-010 Service Request Date UERL/AIR/D/ID/S-23/05/010 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing HNO3 Tank. (S-8)

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/05/2022	Next Calibration Due On	22/06/2023	

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmen ^{°C} and Rese	arch Labs Pvt. Ltd. 48

> Test Parameter Results

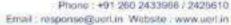
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





Consultant Organization

GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Certified Company Gottled Company

TEST REPORT (STACK MONITORING)

(STACK MONITORING)				
Test Report No.	UERL/23/05/AIL-2/S-011	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/05/S-011	UERL/AIR/D/SRF/05/S-011 Service Request Date		
Sample ID No.	UERL/AIR/D/ID/S-23/05/011	UERL/AIR/D/ID/S-23/05/011 Field Data Sheet No.		
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	31/05/2023	Date of Testing	01/06/2023	
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)			
Air Pollution Control Devise	Alkali Scrubber			

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	Invironmen ^c and Resea	rch Lahs Pvt Ltd 50

Test Parameter Results

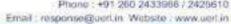
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist) **Authorized By:**





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) 50 9001 2015 Certified Company SO 40001 2018 Cortfled Company

TEST REPORT (STACK MONITORING)

(STACK MONITORING)				
UERL/23/05/AIL-2/S-012	Report Issue Date	07/06/2023		
UERL/AIR/D/SRF/05/S-012	Service Request Date	31/05/2023		
UERL/AIR/D/ID/S-23/05/012 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/01				
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
31/05/2023	Date of Testing	01/06/2023		
Liquid SO3 & Oleum Tank.				
Acid Scrubber				
	UERL/23/05/AIL-2/S-012 UERL/AIR/D/SRF/05/S-012 UERL/AIR/D/ID/S-23/05/012 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Liquid SO3 & Oleum Tank.	UERL/23/05/AIL-2/S-012 Report Issue Date UERL/AIR/D/SRF/05/S-012 Service Request Date UERL/AIR/D/ID/S-23/05/012 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing Liquid SO3 & Oleum Tank.		

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmen°and Rese	arch Labs Pvt. Ltd. 42

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

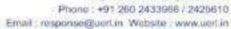
Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Certified Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

(STACK MOTOR CALLED)				
UERL/23/05/AIL-2/S-013	Report Issue Date	07/06/2023		
UERL/AIR/D/SRF/05/S-013	Service Request Date	31/05/2023		
UERL/AIR/D/ID/S-23/05/013	UERL/AIR/D/ID/S-23/05/013 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
31/05/2023	Date of Testing	01/06/2023		
SAC And TAR Plant.				
Alkali Spray Scrubber				
	UERL/23/05/AIL-2/S-013 UERL/AIR/D/SRF/05/S-013 UERL/AIR/D/ID/S-23/05/013 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 SAC And TAR Plant.	UERL/23/05/AIL-2/S-013 Report Issue Date UERL/AIR/D/SRF/05/S-013 Service Request Date UERL/AIR/D/ID/S-23/05/013 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing SAC And TAR Plant.		

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 40

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

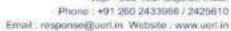
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 19

Note: This report is subject to Terms and Conditions mentioned overleaf.





QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Certified Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

UERL/23/05/AIL-2/S-014	Report Issue Date	07/05/2023		
UERL/AIR/D/SRF/05/S-014	Service Request Date	31/05/2023		
UERL/AIR/D/ID/S-23/05/014	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/014		
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
31/05/2023	31/05/2023 Date of Testing 01/06/2023			
Scrubber Connected to NSA (S-2)				
Alkali Scrubber				
	UERL/AIR/D/SRF/05/S-014 UERL/AIR/D/ID/S-23/05/014 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Scrubber Connected to NSA (S	UERL/AIR/D/SRF/05/S-014 UERL/AIR/D/ID/S-23/05/014 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 31/05/2023 Date of Testing Scrubber Connected to NSA (S-2)		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Email: response@uerl.in Website: www.uerl.in



MoEF&CC (GCI) Recognized Environmental QCI NASEI Accredited BA & CW Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

Consultant Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company SO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

	(017101111101111	. •		
Test Report No.	UERL/23/06/AIL-2/S-001	Report Issue Date	07/07/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	24/06/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/06/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/001	
	M/s. AARTI INDUSRIES LTD. (Unit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Pa	ırt-II,		
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.		
Date of Sampling	24/06/2023	Date of Testing	26/06/2023	
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018		
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	227.5

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	34	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7 **Note:** This report is subject to Terms and Conditions mentioned overleaf.



Email: response@uerl.in Website: www.uerl.in

MoEF&CC (GCI) Recognized Environmental QCI NASEI Accredited BA & CW Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

Consultant Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company

SO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

	(OTTOR INCIN		
Test Report No.	UERL/23/06/AIL-2/S-002	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-002	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/002
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device			

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	T Labs PVI. Llu. 30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm³/h	235

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8 **Note:** This report is subject to Terms and Conditions mentioned overleaf.



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TEST REPORT

(STACK MONITORING)

	(STACK MON				
Test Report No.	UERL/23/06/AIL-2/S-003	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-003	UERL/AIR/D/SRF/06/S-003 Service Request Date 24/06/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/003		
	M/s. AARTI INDUSRIES LTD. (I	Jnit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	24/06/2023	Date of Testing	26/06/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	10.5
7.	Exit Gas Flow	Nm³/h	223.4

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	32	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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TEST REPORT

(STACK MONITORING)

(or total mortal or mark)				
Test Report No.	UERL/23/06/AIL-2/S-004	Report Issue Date	07/07/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-004	Service Request Date	22/06/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/06/004	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/004	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/06/2023	Date of Testing	23/06/2023	
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)			
Air Pollution Control Device	Alkali Scrubber			

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	30
3.	Flue Gas Temperature	Violine il ∘c id Keseaid	n Lads Pvt. Ltd. 342

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

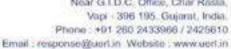
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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TEST REPORT

(STACK MONITORING)

(STACK MODITIONING)			
Test Report No.	UERL/23/06/AIL-2/S-005	Report Issue Date	07/07/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-005	Service Request Date	22/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/005	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/005
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/06/2023	Date of Testing	23/06/2023
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)		
Air Pollution Control Device	Alkali Scrubber		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy Sampler	Serial Number	91-I-19		
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	nvironmen ^o Cand Resea	rch Lahs Pvt Ltd 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

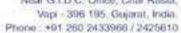
3) **: Limit Not Define in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/06/AIL-2/S-006	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-006 Service Request Date 22/06/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/06/006	UERL/AIR/D/ID/S-23/06/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/06/2023	22/06/2023 Date of Testing 23/06/2023			
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018		
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	ironment and Research	Lahs Pvt Ltd 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/06/AIL-2/S-007	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-007	JERL/AIR/D/SRF/06/S-007 Service Request Date 22/06/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/06/007	UERL/AIR/D/ID/S-23/06/007 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/06/2023	22/06/2023 Date of Testing 23/06/2023			
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)				
Air Pollution Control Devise	Venturi Water Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	8.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.5	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit. 3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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TEST REPORT

(STACK MONITORING)

(STACK MOTOR COLLEGE)				
UERL/23/06/AIL-2/S-008	Report Issue Date	07/07/2023		
UERL/AIR/D/SRF/06/S-008	UERL/AIR/D/SRF/06/S-008 Service Request Date 22/06/2023			
UERL/AIR/D/ID/S-23/06/008 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0				
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
22/06/2023 Date of Testing 23/06/2023				
Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)				
Alkali Scrubber				
	UERL/23/06/AIL-2/S-008 UERL/AIR/D/SRF/06/S-008 UERL/AIR/D/ID/S-23/06/008 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Common Alkali Scrubber Conn	UERL/23/06/AIL-2/S-008 Report Issue Date UERL/AIR/D/SRF/06/S-008 Service Request Date UERL/AIR/D/ID/S-23/06/008 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Date of Testing Common Alkali Scrubber Connected to SO2 Tank Farm.		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 42

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	1.5	40	IS 11255 (Part 2)

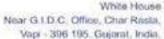
Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610

Email: response@uerl.in Website: www.uerl.in

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Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/06/AIL-2/S-009	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-009	UERL/AIR/D/SRF/06/S-009 Service Request Date 22/06/			
Sample ID No.	UERL/AIR/D/ID/S-23/06/009	UERL/AIR/D/ID/S-23/06/009 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/06/2023	22/06/2023 Date of Testing 23/06/2023			
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)				
Air Pollution Control Devise	Water Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	2.1	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/06/AIL-2/S-010	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-010	Service Request Date	22/06/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/06/010	UERL/AIR/D/ID/S-23/06/010 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/06/2023	Date of Testing	23/06/2023		
Stack Sampling Attached to	HNO3 Tank. (S-8)				
Air Pollution Control Devise	3 Stage Lime Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen ^{°C} and Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)				
Test Report No.	UERL/23/06/AIL-2/S-011	Report Issue Date	07/07/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-011	Service Request Date	22/06/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/06/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/011	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/06/2023	Date of Testing	23/06/2023	
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)			
Air Pollution Control Devise	Alkali Scrubber			

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	Invironmen ^o Cand Resea	rch Lahs Pyt Ltd 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610 Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(STACK MOTH STATE)				
UERL/23/06/AIL-2/S-012	Report Issue Date	07/07/2023		
UERL/AIR/D/SRF/06/S-012	JERL/AIR/D/SRF/06/S-012 Service Request Date 22/06/2023			
UERL/AIR/D/ID/S-23/06/012 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06				
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
22/06/2023	Date of Testing	23/06/2023		
Liquid SO3 & Oleum Tank.				
Acid Scrubber				
	UERL/23/06/AIL-2/S-012 UERL/AIR/D/SRF/06/S-012 UERL/AIR/D/ID/S-23/06/012 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Liquid SO3 & Oleum Tank.	UERL/23/06/AIL-2/S-012 Report Issue Date UERL/AIR/D/SRF/06/S-012 Service Request Date UERL/AIR/D/ID/S-23/06/012 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/06/2023 Date of Testing Liquid SO3 & Oleum Tank.		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy SamplerSerial Number91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen°and Rese	arch Lahs Pvt Ltd 44

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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TEST REPORT

(STACK MONITORING)

(STACK MONTO KING)					
Test Report No.	UERL/23/06/AIL-2/S-013	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-013	UERL/AIR/D/SRF/06/S-013 Service Request Date 22/06/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/06/013	UERL/AIR/D/ID/S-23/06/013 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/06/2023	Date of Testing	23/06/2023		
Stack Sampling Attached to	SAC And TAR Plant.				
Air Pollution Control Devise	Alkali Spray Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	35
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 19

Note: This report is subject to Terms and Conditions mentioned overleaf.

Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

MoEF&CC (GCI) Recognized Environmental QCI NASEI Accredited BA & CW

White House Near G.I.D.C. Office, Char Rosta, Vapi - 396 195, Gujarat, India. Phone: +91 260 2433966 / 2425610

Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

Consultant Organization

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/06/AIL-2/S-014	Report Issue Date	07/07/2023		
Service Request form No.	UERL/AIR/D/SRF/06/S-014	Service Request Date 22/06/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/06/014	UERL/AIR/D/ID/S-23/06/014 Field Data Sheet No. UERL/AIR/D/FDS/S-23/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/06/2023	Date of Testing	23/06/2023		
Stack Sampling Attached to	ed to Scrubber Connected to NSA (S-2)				
Air Pollution Control Devise	trol Devise Alkali Scrubber				

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	33
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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TEST REPORT

(STACK MONITORING)

3			
3			
)/FDS/S-23/07/001			
M/s. AARTI INDUSRIES LTD. (Unit-2)			
3			
D.G. Set - 1 (2000 KVA)			
Diesel			
)			

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	21/06//2023	Next Calibration Due On	20/06//2024	

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	234.0

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP	– ATMOSPHERIC F	POLLUTION
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.8	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7 Note: This report is subject to Terms and Conditions mentioned overleaf.



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TEST REPORT

(STACK MONITORING)

(STACK INSTALLS)				
Test Report No.	UERL/23/07/AIL-2/S-002	Report Issue Date	05/08/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-002	UERL/AIR/D/SRF/07/S-002 Service Request Date 24/07/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/07/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/00			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	24/07/2023	Date of Testing	25/07/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018		
Calibration Date	21/06//2023	Next Calibration Due On	20/06//2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL® U KESEAL	TLabs PVI. Llu. 30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm³/h	229.4

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP	– ATMOSPHERIC	POLLUTION	
Sr. No.	Test Parameter	Unit of Measurement	Result GPCB Limits Test Method			
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)	
2.	Sulphur Dioxide (SO ₂)	ppm	24	100	IS 11255(Part 2)	
3.	Oxide of Nitrogen (NOx)	ppm	40	50	IS 11255(Part 7)	
4.	TVOCs	ppm	2.1	**	GC Method	

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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TEST REPORT

(STACK MONITORING)

(or ion morning)				
Test Report No.	UERL/23/07/AIL-2/S-003	Report Issue Date	05/08/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-003 Service Request Date 24/07/2023		24/07/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/07/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/003	
	M/s. AARTI INDUSRIES LTD. (L	Jnit-2)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	24/07/2023	Date of Testing	25/07/2023	
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1 Serial Number 126 DTG 2018				
Calibration Date	21/06//2023	Next Calibration Due On	20/06//2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 30
5.	Flue Gas Temperature	°C	121
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	227.9

Test Parameter Results

DISCIP	PLINE – CHEMICAL TESTING	NAME OF GROU	P – ATMOSPHERIC	POLLUTION	
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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White House Near G.I.D.C. Office, Char Rosta. Vapi - 396 195, Guinrat, India. Phone: +01 260 2433966 / 2425610

Email: response@uerl.in. Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(o.m.am.mo)					
Test Report No.	UERL/23/07/AIL-2/S-004	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-004	UERL/AIR/D/SRF/07/S-004 Service Request Date 24/07/202			
Sample ID No.	UERL/AIR/D/ID/S-23/07/004	UERL/AIR/D/ID/S-23/07/004 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023	24/07/2023 Date of Testing 25/07/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	30
3.	Flue Gas Temperature	Violine il ∘c id Keseaid	n Lads Pvt. Ltd. 342

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/07/AIL-2/S-005	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-005	UERL/AIR/D/SRF/07/S-005 Service Request Date 24/07/20			
Sample ID No.	UERL/AIR/D/ID/S-23/07/005	UERL/AIR/D/ID/S-23/07/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023	Date of Testing	25/07/2023		
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	Invironmen ^c and Resea	rch Lahs Pvt Ltd 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) **: Limit Not Define in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2426610 Email: response@uerlin: Website: www.uerlin

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)				
UERL/23/07/AIL-2/S-006	Report Issue Date	05/08/2023		
UERL/AIR/D/SRF/07/S-006 Service Request Date 24/07/2023				
UERL/AIR/D/ID/S-23/07/006	UERL/AIR/D/ID/S-23/07/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/0			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
24/07/2023	24/07/2023 Date of Testing 25/07/2023			
Scrubber Connected to DCP. (S-3)				
Alkali Scrubber				
	UERL/AIR/D/SRF/07/S-006 UERL/AIR/D/ID/S-23/07/006 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Scrubber Connected to DCP. (S	UERL/AIR/D/SRF/07/S-006 Service Request Date UERL/AIR/D/ID/S-23/07/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Date of Testing Scrubber Connected to DCP. (S-3)		

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/06//2022	Next Calibration Due On	24/07/2023	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	ironment and Research	Lahs Pvt Ltd 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	3.2	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Vapi - 396 195, Guinrat, India. Phone: +01 260 2433966 / 2425610

Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/23/07/AIL-2/S-007	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-007	Service Request Date	24/07/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/07/007	ERL/AIR/D/ID/S-23/07/007 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023 Date of Testing 25/07/2023				
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)				
Air Pollution Control Devise	Venturi Water Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy SamplerSerial Number91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	5.2	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.6	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit. 3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610 Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(STACK MOTHER)				
UERL/23/07/AIL-2/S-008	Report Issue Date	05/08/2023		
UERL/AIR/D/SRF/07/S-008	Service Request Date	24/07/2023		
UERL/AIR/D/ID/S-23/07/008	UERL/AIR/D/ID/S-23/07/008 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
24/07/2023	24/07/2023 Date of Testing 25/07/2023			
Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)				
Alkali Scrubber				
	UERL/23/07/AIL-2/S-008 UERL/AIR/D/SRF/07/S-008 UERL/AIR/D/ID/S-23/07/008 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Common Alkali Scrubber Conn	UERL/23/07/AIL-2/S-008 Report Issue Date UERL/AIR/D/SRF/07/S-008 Service Request Date UERL/AIR/D/ID/S-23/07/008 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Date of Testing Common Alkali Scrubber Connected to SO2 Tank Farm. (

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy SamplerSerial Number91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	2.2	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

White House Near G.I.D.C. Office, Char Rosta, Vapi - 396 195, Gujorat, India.

Phone: +01 260 2433966 / 2425610

Email: response@uerl.in Website: www.uerl.in

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Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
UERL/23/07/AIL-2/S-009	Report Issue Date	05/08/2023		
UERL/AIR/D/SRF/07/S-009	RL/AIR/D/SRF/07/S-009 Service Request Date 24/07/2023			
UERL/AIR/D/ID/S-23/07/009	UERL/AIR/D/ID/S-23/07/009 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahei-392130, Gujarat.				
24/07/2023 Date of Testing 25/07/2023				
DCA Plant Vacuum Pump Storage Tank. (S-7)				
Water Scrubber				
	UERL/23/07/AIL-2/S-009 UERL/AIR/D/SRF/07/S-009 UERL/AIR/D/ID/S-23/07/009 M/s. AARTI INDUSRIES LTD. (L. Plot No. Z/103/C, Dahej SEZ Pa Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 DCA Plant Vacuum Pump Store	UERL/23/07/AIL-2/S-009 Report Issue Date UERL/AIR/D/SRF/07/S-009 Service Request Date UERL/AIR/D/ID/S-23/07/009 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Date of Testing DCA Plant Vacuum Pump Storage Tank. (S-7)		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy SamplerSerial Number91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	1.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Vapr - 396 195, Gujarat, India. Phone: +01 260 2433966 / 2425610

Email: response@uerl.in Website: www.uerl.in

MoEF&CC (GCI) Recognized Environmental QCI NASEI Accredited BA & CW Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

Consultant Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

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SO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

	(317101111011				
Test Report No.	UERL/23/07/AIL-2/S-010	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-010	UERL/AIR/D/SRF/07/S-010 Service Request Date 24/07/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/07/010	UERL/AIR/D/ID/S-23/07/010 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023	24/07/2023 Date of Testing 25/07/2023			
Stack Sampling Attached to	HNO3 Tank. (S-8)				
Air Pollution Control Devise	3 Stage Lime Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/06//2022	Next Calibration Due On	24/07/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen°Cand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

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TEST REPORT

(STACK MONITORING)

	(STACK WOLL	110111107			
Test Report No.	UERL/23/07/AIL-2/S-011	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-011	Service Request Date	24/07/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/07/011	UERL/AIR/D/ID/S-23/07/011 Field Data Sheet No. UERL/AIR,			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023 Date of Testing 25/07/2023				
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	nvironmen ^o Cand Resea	rch Lahs Pvt Ltd 52

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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TEST REPORT

(STACK MONITORING)

(
UERL/23/07/AIL-2/S-012	Report Issue Date	05/08/2023		
UERL/AIR/D/SRF/07/S-012	UERL/AIR/D/SRF/07/S-012 Service Request Date 24/07/2023			
UERL/AIR/D/ID/S-23/07/012	UERL/AIR/D/ID/S-23/07/012 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
24/07/2023 Date of Testing 25/07/2023				
Liquid SO3 & Oleum Tank.				
Acid Scrubber				
	UERL/23/07/AIL-2/S-012 UERL/AIR/D/SRF/07/S-012 UERL/AIR/D/ID/S-23/07/012 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Liquid SO3 & Oleum Tank.	UERL/AIR/D/SRF/07/S-012 Service Request Date UERL/AIR/D/ID/S-23/07/012 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 24/07/2023 Date of Testing Liquid SO3 & Oleum Tank.		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen°and Rese	arch Lahs Pvt Ltd 42

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610

Email: response@uerl.in. Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(Circuit Month Charles)					
Test Report No.	UERL/23/07/AIL-2/S-013	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07/S-013	UERL/AIR/D/SRF/07/S-013 Service Request Date 24/07/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/07/013	UERL/AIR/D/ID/S-23/07/013 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07/0:			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07/2023	Date of Testing	25/07/2023		
Stack Sampling Attached to	SAC And TAR Plant.				
Air Pollution Control Devise	Alkali Spray Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

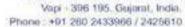
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Note: This report is subject to Terms and Conditions mentioned overleaf.





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TEST REPORT

(STACK MONITORING)

(STACK WORLD MINE)					
Test Report No.	UERL/23/07//AIL-2/S-014	Report Issue Date	05/08/2023		
Service Request form No.	UERL/AIR/D/SRF/07//S-014 Service Request Date 24/07//2023				
Sample ID No.	UERL/AIR/D/ID/S-23/07//014	UERL/AIR/D/ID/S-23/07//014 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07//01			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	24/07//2023	Date of Testing	25/07//2023		
Stack Sampling Attached to	ing Attached to Scrubber Connected to NSA (S-2)				
Air Pollution Control Devise	evise Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610

Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(orner mornio)				
Test Report No.	UERL/23/08/AIL-2/S-001	Report Issue Date	05/09/2023	
Service Request form No.	UERL/AIR/D/SRF/08/S-001	Service Request Date	22/08/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/08/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/001	
	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023	
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018		
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	228.4

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

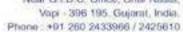
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7 **Note:** This report is subject to Terms and Conditions mentioned overleaf.





MoEF&CC (GCI) Recognized Environmental QCI NASEI Accredited BA & CW Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MONTORING)					
Test Report No.	UERL/23/08/AIL-2/S-002	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-002	UERL/AIR/D/SRF/08/S-002 Service Request Date 22/08/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/08/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/002		
	M/s. AARTI INDUSRIES LTD. (U	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	Date of Testing	23/08/2023		
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	238.1

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION				
Sr. No.	Test Parameter	Unit of Measurement	Result GPCB Limits Test Me				
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)		
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)		
3.	Oxide of Nitrogen (NOx)	ppm	36	50	IS 11255(Part 7)		
4.	TVOCs	ppm	2.3	**	GC Method		

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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Phone: +91 260 2433966 / 2425610 Email: response@uerlin Website: www.uerlin

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QCI NABET Accredited EA & GW Consultant Organization GPC8 Recognited Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

	(STATE)	· Oranico,			
Test Report No.	UERL/23/08/AIL-2/S-003	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-003	UERL/AIR/D/SRF/08/S-003 Service Request Date 22/08/202			
Sample ID No.	UERL/AIR/D/ID/S-23/08/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/003		
	M/s. AARTI INDUSRIES LTD. (I	UNIT-2 DIAMOND)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	Date of Testing	23/08/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm³/h	237.8

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP	– ATMOSPHERIC	POLLUTION
Sr. No.	Test Parameter	Unit of Measurement	Result	Test Method	
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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Phone: +01 260 2433966 / 2425610

Email: response@uerl.in. Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

	(6.7.6.1				
Test Report No.	UERL/23/08/AIL-2/S-004	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-004	Service Request Date	22/08/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/08/004	UERL/AIR/D/ID/S-23/08/004 Field Data Sheet No.			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	Date of Testing	23/08/2023		
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	30
3.	Flue Gas Temperature	Violine il ∘c id Keseaid	n Lads Pvt. Ltd. 345

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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White House

TEST REPORT

(STACK MONITORING)

	(STACK WOLL			
Test Report No.	UERL/23/08/AIL-2/S-005	Report Issue Date	05/09/2023	
Service Request form No.	UERL/AIR/D/SRF/08/S-005	UERL/AIR/D/SRF/08/S-005 Service Request Date 2:		
Sample ID No.	UERL/AIR/D/ID/S-23/08/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/08/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023	
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)			
Air Pollution Control Device	Alkali Scrubber			

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy Sampler Serial Number 91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	nvironmen ^o Cand Resea	ich Lahs Pyt Ltd 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

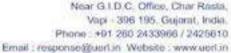
3) **: Limit Not Define in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)				
Test Report No.	UERL/23/08/AIL-2/S-006	Report Issue Date	05/09/2023	
Service Request form No.	UERL/AIR/D/SRF/08/S-006	UERL/AIR/D/SRF/08/S-006 Service Request Date 22/08/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/08/006 Field Data Sheet No. UERL/AIR/D/FDS/S-23/08			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023	
Stack Sampling Attached to	Scrubber Connected to DCP. (S-3)			
Air Pollution Control Devise	Alkali Scrubber			

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	ironment and Research	Labs Pvt Ltd 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.1	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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Consultant Organization

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
Test Report No.	UERL/23/08/AIL-2/S-007	Report Issue Date	05/09/2023	
Service Request form No.	UERL/AIR/D/SRF/08/S-007	IERL/AIR/D/SRF/08/S-007 Service Request Date 2		
Sample ID No.	UERL/AIR/D/ID/S-23/08/007 Field Data Sheet No. UERL/AIR/D/FDS/S-23,			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023	
Stack Sampling Attached to	DCP Plant: DCA Sulphate Vent. (S-11)			
Air Pollution Control Devise	Venturi Water Scrubber			

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy Sampler Serial Number 91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	4.3	40	IS 11255 (Part 2)
2.	VOCs	Ppm	1.8	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit. 3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Vapr - 396 195, Gujarat, India. Phone: +01 260 2433966 / 2425610

Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

	(STACK HOLL		
Test Report No.	UERL/23/08/AIL-2/S-008	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/08/S-008	UERL/AIR/D/SRF/08/S-008 Service Request Date	
Sample ID No.	UERL/AIR/D/ID/S-23/08/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/08/008
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)		
Air Pollution Control Devise	Alkali Scrubber		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy Sampler Serial Number 91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	2.3	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

White House Near G.I.D.C. Office, Char Resta. Vapi - 396 195, Gujorat, India.

Phone: +01 260 2433966 / 2425610

Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/08/AIL-2/S-009	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-009	UERL/AIR/D/SRF/08/S-009 Service Request Date 22,			
Sample ID No.	UERL/AIR/D/ID/S-23/08/009	UERL/AIR/D/ID/S-23/08/009 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	Date of Testing	23/08/2023		
Stack Sampling Attached to	DCA Plant Vacuum Pump Storage Tank. (S-7)				
Air Pollution Control Devise	Water Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy Sampler Serial Number 91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	1.5	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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TEST REPORT

(STACK MONITORING)

	(317101111011				
Test Report No.	UERL/23/08/AIL-2/S-010	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-010	UERL/AIR/D/SRF/08/S-010 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/08/010	JERL/AIR/D/ID/S-23/08/010 Field Data Sheet No. UERL/A			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	Date of Testing	23/08/2023		
Stack Sampling Attached to	HNO3 Tank. (S-8)				
Air Pollution Control Devise	3 Stage Lime Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1 Serial Number 126 DTG 2018				
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen°Cand Rese	arch Labs Pvt. Ltd. 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610 Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/08/AIL-2/S-011	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-011	UERL/AIR/D/SRF/08/S-011 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/08/011	UERL/AIR/D/ID/S-23/08/011 Field Data Sheet No.			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	22/08/2023 Date of Testing 23/08/2023			
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)				
Air Pollution Control Devise	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy Sampler Serial Number 91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	Invironmen ^c and Resea	rch Lahs Pvt Ltd 52

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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TEST REPORT

(STACK MONITORING)

(STACK MOTHER MATE)				
UERL/23/08/AIL-2/S-012	Report Issue Date	05/09/2023		
UERL/AIR/D/SRF/08/S-012	22/08/2023			
UERL/AIR/D/ID/S-23/08/012 Field Data Sheet No. UERL/AIR/D/FDS/S-23/0				
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
22/08/2023	22/08/2023 Date of Testing 23/08/2023			
Liquid SO3 & Oleum Tank.				
Acid Scrubber				
	UERL/AIR/D/SRF/08/S-012 UERL/AIR/D/ID/S-23/08/012 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Liquid SO3 & Oleum Tank.	UERL/AIR/D/SRF/08/S-012 Service Request Date UERL/AIR/D/ID/S-23/08/012 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Date of Testing Liquid SO3 & Oleum Tank.		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy Sampler Serial Number 91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmen°and Rese	arch Labs Pvt. Ltd. 44

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610 Email: response@uerl.in. Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)					
Test Report No.	UERL/23/08/AIL-2/S-013	Report Issue Date	05/09/2023		
Service Request form No.	UERL/AIR/D/SRF/08/S-013	UERL/AIR/D/SRF/08/S-013 Service Request Date			
Sample ID No.	UERL/AIR/D/ID/S-23/08/013	UERL/AIR/D/ID/S-23/08/013 Field Data Sheet No. UERL/AIR/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/08/2023	22/08/2023 Date of Testing 23/08/2023			
Stack Sampling Attached to	SAC And TAR Plant.				
Air Pollution Control Devise	Alkali Spray Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy Sampler Serial Number 91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 19

Note: This report is subject to Terms and Conditions mentioned overleaf.





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White House

TEST REPORT

(STACK MONITORING)

		(STACK MONTOKING)				
UERL/23/08/AIL-2/S-014	Report Issue Date	05/09/2023				
UERL/AIR/D/SRF/08/S-014	UERL/AIR/D/SRF/08/S-014 Service Request Date 22/08/2023					
UERL/AIR/D/ID/S-23/08/014	UERL/AIR/D/ID/S-23/08/014 Field Data Sheet No. UERL/AIR/D/FDS/S-23/08/01					
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,						
22/08/2023	Date of Testing	23/08/2023				
Scrubber Connected to NSA (S-2)						
Alkali Scrubber						
	UERL/AIR/D/SRF/08/S-014 UERL/AIR/D/ID/S-23/08/014 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Scrubber Connected to NSA (S	UERL/AIR/D/SRF/08/S-014 UERL/AIR/D/ID/S-23/08/014 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 22/08/2023 Date of Testing Scrubber Connected to NSA (S-2)				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy Sampler Serial Number 91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

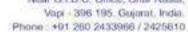
Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





MoEF&CC (GCI) Recognized Environmental QCI NASEI Accredited BA & CW Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

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TEST REPORT

(STACK MONITORING)

	(01710171110111			
Test Report No.	UERL/23/09/AIL-2/S-001	Report Issue Date	05/10/2023	
Service Request form No.	UERL/AIR/D/SRF/09/S-001	Service Request Date	22/09/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/09/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/001	
	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Pa	Plot No. Z/103/C, Dahej SEZ Part-II,		
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.		
Date of Sampling	22/09/2023	Date of Testing	23/09/2023	
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018		
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 122
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	238.9

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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TEST REPORT

(STACK MONITORING)

(STACK MONITORINA)					
Test Report No.	UERL/23/09/AIL-2/S-002	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-002	UERL/AIR/D/SRF/09/S-002 Service Request Date 22/09/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/09/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/002		
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND)					
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	22/09/2023	Date of Testing	23/09/2023		
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01					
Instrument Name	Stack Monitoring Kit, VSS1	Stack Monitoring Kit, VSS1 Serial Number 126 DTG 2018				
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024			

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.0
7.	Exit Gas Flow	Nm³/h	235.8

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Test Parameter	Unit of Measurement	Result GPCB Limits Test Method			
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)	
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)	
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)	
4.	TVOCs	ppm	2.8	**	GC Method	

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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TEST REPORT

(STACK MONITORING)

	(STACK MOM				
Test Report No.	UERL/23/09/AIL-2/S-003	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-003 Service Request Date 22/09/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/09/003	UERL/AIR/D/ID/S-23/09/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09/			
	M/s. AARTI INDUSRIES LTD. (U	JNIT-2 DIAMOND)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	22/09/2023	Date of Testing	23/09/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	231.5

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	19	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.9	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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TEST REPORT

(STACK MONITORING)

(or tell more of					
Test Report No.	UERL/23/09/AIL-2/S-004	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-004	21/09/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/09/004	UERL/AIR/D/ID/S-23/09/004 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	21/09/2023	21/09/2023 Date of Testing 22/09/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 1)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°С	32
3.	Flue Gas Temperature	Violine il ∘c id Keseaid	n Lads Pvt. Ltd. 346

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610 Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(STACK MONITORING)					
Test Report No.	UERL/23/09/AIL-2/S-005	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-005	UERL/AIR/D/SRF/09/S-005 Service Request Date 21/			
Sample ID No.	UERL/AIR/D/ID/S-23/09/005	UERL/AIR/D/ID/S-23/09/005 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	21/09/2023	21/09/2023 Date of Testing 22/09/2023			
Stack Sampling Attached to	Scrubber Connected to The Tanks (Tank Farm 2)				
Air Pollution Control Device	Alkali Scrubber				

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler	Serial Number	91-I-19	
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	Invironmen ^o Cand Resea	rch Lahs Pvt Ltd 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

3) **: Limit Not Define in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:





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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)				
UERL/23/09/AIL-2/S-006	Report Issue Date	05/10/2023		
UERL/AIR/D/SRF/09/S-006	ERL/AIR/D/SRF/09/S-006 Service Request Date 21/09/2023			
UERL/AIR/D/ID/S-23/09/006	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/006		
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
21/09/2023	Date of Testing	22/09/2023		
Scrubber Connected to DCP. (S-3)				
Alkali Scrubber				
	UERL/AIR/D/SRF/09/S-006 UERL/AIR/D/ID/S-23/09/006 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Scrubber Connected to DCP. (S	UERL/23/09/AIL-2/S-006 Report Issue Date UERL/AIR/D/SRF/09/S-006 Service Request Date UERL/AIR/D/ID/S-23/09/006 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Date of Testing Scrubber Connected to DCP. (S-3)		

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	ironment and Research	Lahs Pyt Ltd 50

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	2.5	25	IS: 11255 (Part 7): 2005 RA.2017

Note: 1) BDL: Below Detection Limit.

2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610 Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(STACK MOTOR CO.				
UERL/23/09/AIL-2/S-007	Report Issue Date	05/10/2023		
UERL/AIR/D/SRF/09/S-007	RL/AIR/D/SRF/09/S-007 Service Request Date 21/09/2023			
UERL/AIR/D/ID/S-23/09/007	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/007		
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
21/09/2023	Date of Testing	22/09/2023		
DCP Plant: DCA Sulphate Vent. (S-11)				
Venturi Water Scrubber				
	UERL/AIR/D/SRF/09/S-007 UERL/AIR/D/ID/S-23/09/007 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 DCP Plant: DCA Sulphate Vent	UERL/AIR/D/SRF/09/S-007 Service Request Date UERL/AIR/D/ID/S-23/09/007 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Date of Testing DCP Plant: DCA Sulphate Vent. (S-11)		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	5.5	40	IS 11255 (Part 2)
2.	VOCs	Ppm	2.2	**	GC Method

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit. 3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +01 260 2433966 / 2425610 Email: response@uerl.in Website: www.uerl.in

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TEST REPORT

(STACK MONITORING)

(STACK MISTATION MAS)				
UERL/23/09/AIL-2/S-008	Report Issue Date	05/10/2023		
UERL/AIR/D/SRF/09/S-008	UERL/AIR/D/SRF/09/S-008 Service Request Date 21/09/2023			
UERL/AIR/D/ID/S-23/09/008	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/008		
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch,				
21/09/2023	Date of Testing	22/09/2023		
Common Alkali Scrubber Connected to SO2 Tank Farm. (S-6)				
Alkali Scrubber				
	UERL/23/09/AIL-2/S-008 UERL/AIR/D/SRF/09/S-008 UERL/AIR/D/ID/S-23/09/008 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Common Alkali Scrubber Conn	UERL/23/09/AIL-2/S-008 Report Issue Date UERL/AIR/D/SRF/09/S-008 Service Request Date UERL/AIR/D/ID/S-23/09/008 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Date of Testing Common Alkali Scrubber Connected to SO2 Tank Farm. (

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01		
Instrument Name	Handy Sampler	Serial Number	91-I-19
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 48

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	3.2	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

MoEF&CC (GCI) Recognized Environmental QCI NASEI Accredited BA & CW

White House Near G.I.D.C. Office, Char Rosta, Vapi - 396 195, Gujarat, India. Phone: +91 260 2433966 / 2425610

Email: response@uerl.in Website: www.uerl.in

GPC8 Recognized Environmental Auditor (Schedule-II) SO 9001:2015 Certified Company (\$0 4500) : 2016 Certified Company

TEST REPORT

Consultant Organization

(STACK MONITORING)

(STACK MONTOKING)				
Test Report No.	UERL/23/09/AIL-2/S-009	Report Issue Date	05/10/2023	
Service Request form No.	UERL/AIR/D/SRF/09/S-009	UERL/AIR/D/SRF/09/S-009 Service Request Date 21,		
Sample ID No.	UERL/AIR/D/ID/S-23/09/009 Field Data Sheet No. UERL/AIR/D/FDS/S-23/			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	21/09/2023	Date of Testing	22/09/2023	
Stack Sampling Attached to	Sampling Attached to DCA Plant Vacuum Pump Storage Tank. (S-7)			
Air Pollution Control Devise	Water Scrubber			

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironmeneand Rese	arch Labs Pvt. Ltd. 46

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	VOCs	Ppm	3.6	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist) Authorized By:

Phone: +01 260 2433966 / 2425610

Email: response@uerl.in Website: www.uerl.in



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TEST REPORT

(STACK MONITORING)

(STACK MOTH SKING)			
Test Report No.	UERL/23/09/AIL-2/S-010	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-010	UERL/AIR/D/SRF/09/S-010 Service Request Date	
Sample ID No.	UERL/AIR/D/ID/S-23/09/010	JERL/AIR/D/ID/S-23/09/010 Field Data Sheet No. UERL/AIR/D/F	
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	HNO3 Tank. (S-8)		
Air Pollution Control Devise	3 Stage Lime Scrubber		

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	vironmen°Cand Rese	arch Labs Pvt. Ltd. 42

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Oxides of Nitrogen (NOx)	mg/Nm³	BDL (MDL:2.0)	25	IS: 11255 (Part 7): 2005 RA.2017

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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TEST REPORT

(STACK MONITORING)

(STACK MONTOKING)			
Test Report No.	UERL/23/09/AIL-2/S-011	Report Issue Date	05/10/2023
Service Request form No.	UERL/AIR/D/SRF/09/S-011	Service Request Date	21/09/2023
Sample ID No.	UERL/AIR/D/ID/S-23/09/011	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/011
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	21/09/2023	Date of Testing	22/09/2023
Stack Sampling Attached to	Scrubber Connected to Sulphur Dioxide Reaction & Sulphuric Acid Plant. (S-9)		
Air Pollution Control Devise	Alkali Scrubber		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01				
Instrument Name	Handy Sampler Serial Number 91-I-19				
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	30
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	nvironmen ^o Cand Resea	rch Lahs Pvt Ltd 52

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	1200	IS 11255 (Part 2)
2.	Acid Mist/Sulphur Trioxide (SO ₃)	mg/Nm³	BDL (MDL:4.0)	70	SA EPA Method 03.04.2012

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

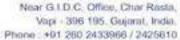
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

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TEST REPORT

(STACK MONITORING)

(STACK MOTOR COLLEGE)			
UERL/23/09/AIL-2/S-012	Report Issue Date	05/10/2023	
UERL/AIR/D/SRF/09/S-012 Service Request Date 21/09/2023			
UERL/AIR/D/ID/S-23/09/012 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09			
M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
21/09/2023	Date of Testing	22/09/2023	
Liquid SO3 & Oleum Tank.			
Acid Scrubber			
	UERL/23/09/AIL-2/S-012 UERL/AIR/D/SRF/09/S-012 UERL/AIR/D/ID/S-23/09/012 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Liquid SO3 & Oleum Tank.	UERL/23/09/AIL-2/S-012 Report Issue Date UERL/AIR/D/SRF/09/S-012 Service Request Date UERL/AIR/D/ID/S-23/09/012 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Date of Testing Liquid SO3 & Oleum Tank.	

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	vironmen°and Rese	arch Labs Pvt. Ltd. 48

> Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



Phone: +91 260 2433966 / 2425610 Email: response@uerlin Website: www.uerlin

MoEF&CC (GCI) Recognized Environmental Laboratory under the EFA 1986 (3) 03:2023 to 22:39:2024

QCI-NABET Accredited BA & GW Consultant Organization GPC8 Recognited Environmental Auditor (Schedule-II)

50 9001 : 2015 Certified Company (SO 4500) : 2016 Certified Company

TEST REPORT

(STACK MONITORING)

(STACK MOMITORING)					
Test Report No.	UERL/23/09/AIL-2/S-013	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-013	UERL/AIR/D/SRF/09/S-013 Service Request Date 2			
Sample ID No.	UERL/AIR/D/ID/S-23/09/013	UERL/AIR/D/ID/S-23/09/013 Field Data Sheet No. UER			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	21/09/2023	Date of Testing	22/09/2023		
Stack Sampling Attached to	SAC And TAR Plant.				
Air Pollution Control Devise	Alkali Spray Scrubber				

> Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	32
3.	Flue Gas Temperature	vironmentand Rese	arch Labs Pvt. Ltd. 50

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)
2.	VOCs	ppm	BDL (MDL:0.1)	**	GC Method

Note: 1) BDL: Below Detection Limit.
2) MDL: Minimum Detection Limit.

3) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GCI) Recognized Environmental QCI NASEI Accredited BA & CW Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

Consultant Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company SO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

(STACK MONITORING)				
UERL/23/09/AIL-2/S-014	Report Issue Date	05/10/2023		
UERL/AIR/D/SRF/09/S-014	UERL/AIR/D/SRF/09/S-014 Service Request Date 21/09/2023			
UERL/AIR/D/ID/S-23/09/014	UERL/AIR/D/ID/S-23/09/014 Field Data Sheet No. UERL/AIR/D/FDS/S-23/09			
M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
21/09/2023	21/09/2023 Date of Testing 22/09/2023			
Scrubber Connected to NSA (S-2)				
Alkali Scrubber				
	UERL/AIR/D/SRF/09/S-014 UERL/AIR/D/ID/S-23/09/014 M/s. AARTI INDUSRIES LTD. (UPlot No. Z/103/C, Dahej SEZ Patal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Scrubber Connected to NSA (S	UERL/AIR/D/SRF/09/S-014 UERL/AIR/D/ID/S-23/09/014 Field Data Sheet No. M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. 21/09/2023 Date of Testing Scrubber Connected to NSA (S-2)		

Details of Instrument Used for Monitoring

Instrument Id No	UERL-D/AIR/HDS/01			
Instrument Name	Handy Sampler Serial Number 91-I-19			
Calibration Date	03/02/2023	Next Calibration Due on	02/02/2024	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	M	11
2.	Ambient Temperature	°C	30
3.	Flue Gas Temperature	vironment and Research Labs Pvt.	Ltd. 45

Test Parameter Results

Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Sulphur Dioxide (SO ₂)	mg/Nm³	BDL (MDL:4.0)	40	IS 11255 (Part 2)

Note: 1) BDL: Below Detection Limit. 2) MDL: Minimum Detection Limit.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



भारत सरकार

Government of India वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce & Industry पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो) Petroleum & Explosives Safety Organisation (PESO) आंठवी मंजिल, यश कमल बिल्डींग, सयाजी गंज

वडोदरा- 390020 8th Floor, Yash Kamal Building, Sayajigunj, Vadodara - 390020

E-mail: dyccebaroda@explosives.gov.in

Phone/Fax No: 0265 - 2225159

दिनांक /Dated : **02/09/2022**

संख्यां /No.: P/WC/GJ/15/2712 (P423120)

सेवा में /To,

M/s. AARTI INDUSTRIES LIMITED,

PLOT NO. - Z-103/C, DAHEJ SEZ - (PART -2), ,

Dahej,

Taluka: Vagra, District: BHARUCH, State: Gujarat PIN: 392130

विषय Plot No, Z-103/C, DAHEJ SEZ -II, Dahej To Vagra Road, DAHEJ, Vagra, Taluka: Vagra, District: BHARUCH, /Sub: State: Gujarat, PIN: 392130 में स्थित पेट्रोलियम वर्ग A अधिष्ठापन - पेट्रोलियम नियम 2002 के अंतर्गत प्ररूप XV में जारी अनुज्ञप्ति सं P/WC/GJ/15/2712 (P423120) – संशोधन के संदर्भ में ।

Existing Petroleum Class A Installation at Plot No, Z-103/C, DAHEJ SEZ -II, Dahej To Vagra Road, DAHEJ, Vagra, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 392130- Licence No. P/WC/GJ/15/2712 (P423120) - granted in form XV under Petroleum Rules 2002 - Amendment regarding

महोदय /Sir(s),

> कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या OIN1117305 दिनांक 23/08/2022 का संदर्भ ग्रहण करें। Reference to your letter No. OIN1117305 dated 23/08/2022 on the above subject.

दिनांक 31/12/2025 तक वैध अनुज्ञप्ति संख्या P/WC/GJ/15/2712 (P423120) दिनांक 02/09/2022 निम्नलिखित वर्ग एवं मात्राओं में पेट्रोलियम भंडारण के लिए यथा संशोधित कर इस पत्र के साथ लौटाई जा रही है ।

Licence No. P/WC/GJ/15/2712 (P423120) dated 02/09/2022 valid upto 31/12/2025 is returned herewith duly amended with respect to Capacity Amendment,

पेट्रोलियम का विवरण /Description of Petroleum	किलोलीटरों में अनुज्ञप्ति क्षमता /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A, in bulk	61.00 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B, in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C, in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C,otherwise than in bulk	NIL
कुल क्षमता /Total	61.00 KL

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

((गणेश आर.) (GANESH R.)) उप विस्फोटक नियंत्रक

Dy. Controller of Explosives कृते संयुक्त मुख्य विस्फोटक नियंत्रक For Jt. Chief Controller of Explosives वडोदरा/Vadodara

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : http://peso.gov.in देखें) (For more information regarding status, fees and other details please visit our website: http://peso.gov.in) Note:-This is system generated document does not require signature.

Disclaimer: This page gives the latest action taken by this organization on your application. This page is made available for the information of concerned applicant/licensee only. All efforts have been made to secure this information. However, PESO will not be responsible for any misuse of the information by unauthorized persons including the hackers.

WE SERVE TO SAVE

ਪ਼ਰਿ ਮੁਯਬ ਅધਿકારੀ श्री ભરૂચ નગરપાલિકા ,

हाजवर जं. २६६ ,ता. ०७/१९/२०१६

ભરૂચ.

વિષય:- ગુજરાત ફાયર પ્રિવેળ્યાન એન્ડ લાઇફ સેફટી મેઝર એક્ટ -૨૦૧૩ અન્વયે અત્રેથી ફક્ત અભિપ્રાય આપવા બાબત. (Provisional - N.O.C)

સંદંભઃ- ભરૂચ નગરપાલિકા ના મુખ્ય અધિકારી ,ભરૂચ નગરપાલિકા ના પત્ર ક્રમાંક ને ૪૧૦ થી ૪૧૧, તા.૧૬/૧૦/૨૦૧૯ અરપદાર શ્રી Aarti Industries Limited ,Plot No.Z-111/B, SEZ-II,Industrial Estate,Tal.Vagra,GIDC Dahej. Dist: Bharuch (Gujarat). ની અરજી તા.૧૧/૧૦/૨૦૧૯ની અરજી

સવિનય ઉપરોક્ત વિષય અને સંદંભ અન્વયે ના પત્ર અનુસંઘાને જણાવવાનુ કે ભરૂચ નગરપાલિકા ના મુખ્ય અધિકારી ,ભરૂચ નગરપાલિકા ના પત્ર કમાંક ને ૪૧૦ થી ૪૧૧, તા.૧૬/૧૦/૨૦૧૯ અરજદાર શ્રી Aarti Industries Limited ,Plot No.Z-111/B, SEZ-H,Industrial Estate,Tal.Vagra,GIDC Dahej. Dist: Bharuch (Gujarat).આવેલ કોય વે ગુજરાત કાયર પ્રિવેન્શન એન્ડ લાઇક સેક્ટી મેઝર એક્ટ -૨૦૧૩ નો જીડીસીઆર (૨૦૨૧) નો ઉલ્લેખીત નિયમો મુજબ અત્રેનો ફાયર પ્રિવેન્શન અને પ્રોટેક્શન મુજબ નો અભિપ્રાય માંગેલ છે.

क्रेमा नीरोना डोध्टड मुक्ल नी क्रोगवाद्य होवी क्षउरी छे. तेमक वनस्टोल डर्या जाह

ચાલુ હાલતમાં હોવી જાઇએ.

ાયર દ્વાઇડુન્ટ સીરટમ હોઝ બોક્ષ હોઝ રીલ સાથે. પ્રીમાઇસીસ એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવુ જોઇએ 1.બી.સી. ૬.૦૦ કે.જી. ફાયર એક્ટીગ્યુર્જસ પ્રીમાઇસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવુ. જોઇએ 1.ઓ.ટુ.૪.૫ કે.જી. ફાયર એક્ટીગ્યુર્જસ પ્રીમાઇસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવુ. જોઇએ ઇન ઇલેક્ટ્રીકલ ફાયર પંપ ,જોકી પંપ અને ડીઝલ પંપ હોવો જોઇએ
ા.બી.સી. ૬.૦૦ કે.જુ. ફાયર એક્ટીગ્યુર્થસ પ્રીમાઇસીસ માં એટીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઇએ ો.ઓ.ટુ.૪.૫ કે.જુ. ફાયર એક્ટીગ્યુર્થસ પ્રીમાઇસીસ માં એટીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઇએ
ો.ઓ.ટુ.૪.૫ કે.જી. ફાયર એક્ટીગ્યુર્શસ પ્રીમાઇસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઇએ
છન ઇલેક્ટ્રીકલ ફાયર પંપ , જેલી પંપ અને ડીઝલ પંપ હોલો જોઇએ
FFF કોમ સોલયુશન ૩૦૦૦ લીટર અને કોમ મેકીંગ બાંચ ઢોવુ જોઇએ
ી.એ.સેટ તેમજ કાસકેડ સીસ્ટમ ઢોવી જેઇએ.
ોછામાં ઓછી ૩ કલાક કાયર કાઇટીંગ થાય તે મુજબ ફાયર કાઇટીંગ માટે પાણી ની સુવિધા હોવી જોઇએ.
ાર વે ફાયર બીગેડ ઇનલેટ ઢોવુ જોઇએ
5 51र्भ ਲોટીયા जी 52ते तेमक प्रोसेश ઇमारत जी 5रते वोटर 5म डोम-मोजीटर तेमक डी.वी.सीस्टम ढोवु कोઇले.
ટ હાઉસ એટીયા માં સ્પ્રીન્કલર હોવા જોઇએ
ન્ટ્રી તેમજ એકઝીટ અલગ અલગ હોવી જોઇએ.
કરરી એક્ટ મુજબ સુરક્ષા ના બિતી બિચમોનુ પાલન કરવા નુ રહેશે.
ધુમાં સરકાર શ્રી તરફથી નિયમોમાં ફેરફાર કરવામાં આવે તો તેનુ સમયસર પાલન કરવાનુ રહેશે.
9

આ પત્ર ફક્ત કામચલાઉ (પ્રોવીઝનલ) દોરણે અમારા તરફથી આપવામાં આવે છે

સંપુંશ ફેક્ટરી માં ફાયર સેક્ટી અને પ્રોટેક્શન ઇક્વીપમેન્ટ કાયમી ઘોરણે ફીક્સ લગાડ્યા બાદજ આપના તરફથી અમારા વિભાગને જાણ કર્યા બાદ ફાયર ફાઇટીંગ સુવિધા નુ ઇન્સપેક્શન કર્યા બાદ એન.ઓ.સી.આપવા માં આવશે.

જાવકને/અભિપ્રાય નં. જે ધર્ તા. *१ (-)* ૧૧ /૨૦૧૯ ડી.એચ.માંખીજાની રીજનલ ફાયર ઓફીસર સુરત

WE SERVE TO SAVE

yla. ਮੁਖ਼थ ਅधिहारी श्री ભરૂચ નગરપાલિકા ,

अग्वर नं रहक 'पा' कार्या कार्या कार्या कार्या

(H32L

વિષય:- ગુજરાત ફાયર પ્રિવેન્શન એન્ડ લાઇફ સેફટી મેઝર એક્ટ -૨૦૧૩ અન્વયે અત્રેથી ફક્ત અભિપ્રાય આપવા ભાબત. (Provisional - N.O.C)

સંદંભ:- ભરૂચ નગરપાલિકા ના મુખ્ય અધિકારી ,ભરૂચ નગરપાલિકા ના પત્ર ક્રમાંક ને ૪૦૮ થી ૪૦૯ તા.૧૬/૧૦/૨૦૧૯ અરજદાર શ્રી Aarti Industries Limited ,Plot No.Z-103/C,SEZ-II,Industrial Estate,Tal.Vagra,GIDC Dahej. Dist: Bharuch (Gujarat). जी अस्कु તા.૧૧/૧૦/૨૦૧૯ની અરજ

સવિનય ઉપરોક્ત વિષય અને સંર્દભ અન્વચે ના પત્ર અનુસંઘાને જણાવવાનુ કે भाइय नगरपाविहा ना मुख्य अधिहारी ,भाइय नगरपाविहा ना पत्र इमांह ने ४०८ थी ४०६, તા.૧૬/૧૦/૨૦૧૯ અરજદાર શ્રી Aarti Industries Limited , Plot No.Z-103/C, SEZ-II, Industrial Estate, Tal. Vagra, GIDC Dahej. Dist: Bharuch (Gujarat). ਆਪੇਰ ਛੀਕ षे गुषरात हायर प्रिवेन्शन એन्ड वाएड सेड्टी मेजर એક्ટ -२०१३ नां छडीसीआर (२०२१) नां ઉલ્લેખીત નિયમો મુજબ અત્રેનાં ફાયર પ્રિવેન્શન અને પ્રોટેક્શન મુજબ નો અભિદ્યાય માંગેલ છે.

केमा नीचेना डोघ्टड मुक्ज नी कोजवाद्य होवी करूरी छे. तेमक दनस्टोल डर्या जाह

ચાલ હાલતમાં હોવી જાદાએ.

યાનુ નં	વિગલ		
q	ફાયર હાઇડ્રન્ટ સીસ્ટમ હોઝ બોક્ષ ઢોઝ ટીલ સાથે પ્રીમાઇસીસ એટીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ ઢોવુ જોઇએ		
5	એ.બી.સી. ૬.૦૦ કે.જી. ફાયર એસ્ટીગ્યુર્શસ પ્રીમાઇસીસ માં એરીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઇએ		
3	સી.ઓ.ટુ.૪.૫ કે.જી. ફાયર એક્ટીગ્યુર્શસ પ્રીમાઇસીસ માં એટીયા કવર કરે તે મુજબ ઇનસ્ટોલ કરેલ હોવું જોઇએ		
8	મેઇન ઇલેક્ટ્રીકલ કાયર પંપ ,જાેકી પંપ અને ડીઝલ પંપ હોવો જોઇએ		
ч	AFFF ક્રોમ સોલયુશન ૩૦૦૦ લીટર અને ફ્રોમ મેકીગ બાચ ઢોવુ જોઇએ		
\$	બી.એ.સેટ તેમજ કાસકેડ સીસ્ટમ હોવી જેઇએ.		
0	ઓછામાં ઓછી ૩ કલાક કાયર કાઇટીંગ થાય તે મુજબ કાયર કાઇટીંગ માટે પાણી ની સુવિધા હોવી જોઇએ.		
6	ફોર વે ફાયર લીગેડ ઇનલેટ હોવુ જોઇએ		
6	ટેંક ફાર્મ એરીયા ની ફરતે લેમજ પ્રોરોસ ઇમારત બી ફરતે વોટર કમ ફોમ મોનીટર લેમજ ડી.વી.સીરટમ હોવુ જોઇએ.		
90	વેર હાઉસ એરીયા માં સ્ત્રીન્કલર ઢોવા જોઇએ		
99	એન્ટ્રી તેમજ એકઝીટ અલગ અલગ ફોવી જોઇએ.		
9.2	इंडटरी એકટ मुक्क सुरक्षा ना निती नियमोनु पालन हरवा नु रहेशे.		
93	વધુમાં સરકાર શ્રી તરફથી નિયમોમાં ફેરફાર કરવામાં આવે તો તેનુ સમયસર પાલન કરવાનુ રહેશે.		

આ પત્ર ફક્ત કામચલાઉ (પ્રોવીઝનલ) દોરણે અમારા તરફથી આપવામાં આવે છે

સંપૂંશ કેકટરી માં ફાયર સેકટી અને પ્રોટેક્શન ઇકવીપમેન્ટ કાયમી દોરણે કીક્સ લગાડ્યા બાદજ આપના તરફથી અમારા વિભાગને જાણ કર્યા બાદ ફાયર ફાઇટીંગ સુવિધા નુ ઇન્સપેક્શન કર્યા બાદ એન.ઓ.સી.આપવા માં આવશે.

જાવકને/અભિપ્રાય ને. & 47

dl. 9 (-/99 /2096

ડી.એસ.માળીજાની રીજનલ કાયર ઓફીસર स्रव





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Consultant Organization

GPCB Recognited Environmental Auditor (Schedule-II) SO 9001 2015 Certified Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

	(or ten morning)			
Test Report No.	UERL/23/04/AIL-2/S-001	Report Issue Date	05/05/2023	
Service Request form No.	UERL/AIR/D/SRF/04/S-001	Service Request Date	20/04/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/04/001 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/00			
	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer				
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.		
Date of Sampling	20/04/2023	Date of Testing	21/04/2023	
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	33
5.	Flue Gas Temperature	Whomhell clu Reseald	II Labs PVI. Llu. 125
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm³/h	230.0

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	25	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.5	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

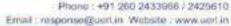
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7

Note: This report is subject to Terms and Conditions mentioned overleaf.





MoEF&CC [GOI] Recognized Environmental Laboratory ander the EPA 1984 (\$1.03.2023 to 22.09.2024)

QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) 50 9001 2015 Certified Company GO 40001 2018 Cottled Company

TEST REPORT (STACK MONITORING)

	(STACK MOIN	· Oranicoj		
Test Report No.	UERL/23/04/AIL-2/S-002	Report Issue Date	05/05/2023	
Service Request form No.	UERL/AIR/D/SRF/04/S-002 Service Request Date 20/04/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/04/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/0			
	M/s. AARTI INDUSRIES LTD. (U	M/s. AARTI INDUSRIES LTD. (Unit-2)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	20/04/2023	Date of Testing	21/04/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023	

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIII EII ∘C U NESEAU	TLabs PVI. LIU. 33
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	229.6

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.9	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

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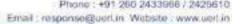
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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TEST REPORT (STACK MONITORING)

	(STACK MON	· Oranico		
Test Report No.	UERL/23/04/AIL-2/S-003	Report Issue Date	05/05/2023	
Service Request form No.	UERL/AIR/D/SRF/04/S-003 Service Request Date 20/04/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/04/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23/04/			
	M/s. AARTI INDUSRIES LTD. (I	M/s. AARTI INDUSRIES LTD. (Unit-2)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	20/04/2023	Date of Testing	21/04/2023	
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 33
5.	Flue Gas Temperature	°C	125
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	236.3

> Test Parameter Results

DISCIP	PLINE – CHEMICAL TESTING	NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.





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TEST REPORT (STACK MONITORING)

	(017101111101111		
Test Report No.	UERL/23/05/AIL-2/S-001	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/05/S-001	Service Request Date	31/05/2023
Sample ID No.	UERL/AIR/D/ID/S-23/05/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/05/001
	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II,		
Name & Address of Customer			
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.	
Date of Sampling	31/05/2023	Date of Testing	01/06/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device			

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018		
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023		

> General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	35
5.	Flue Gas Temperature	Whomment of the Research	II Labs PVI. Llu. 126
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	237.0

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

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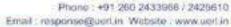
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7

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TEST REPORT (STACK MONITORING)

	•	·		
Test Report No.	UERL/23/05/AIL-2/S-002	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/05/S-002 Service Request Date 31/05/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/05/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/00			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	31/05/2023	Date of Testing	01/06/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018		
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023		

➢ General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 35
5.	Flue Gas Temperature	°C	123
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm³/h	240.9

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	35	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

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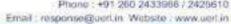
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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MoEF&CC [GOI] Recognized Environmental Laboratory ander the EPA 1984 (\$1.03.2023 to 22.09.2024)

QCI-NASET Accredited EIA & GW Consultant Organization GPCB Recognited Environmental Auditor (Schedule-II) 50 9001 2015 Certified Company SO 40001 2018 Cortfled Company

TEST REPORT (STACK MONITORING)

	(STACK MON				
Test Report No.	UERL/23/05/AIL-2/S-003	Report Issue Date	07/06/2023		
Service Request form No.	UERL/AIR/D/SRF/05/S-003	UERL/AIR/D/SRF/05/S-003 Service Request Date 31/05/2023			
Sample ID No.	UERL/AIR/D/ID/S-23/05/003	UERL/AIR/D/ID/S-23/05/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23/05/00			
	M/s. AARTI INDUSRIES LTD. (I	Jnit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,				
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,				
	Dahej-392130, Gujarat.				
Date of Sampling	31/05/2023	Date of Testing	01/06/2023		
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01			
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018	
Calibration Date	23/06/2022	Next Calibration Due On	22/06/2023	

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 35
5.	Flue Gas Temperature	°C	124
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm³/h	236.1

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	75	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	27	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

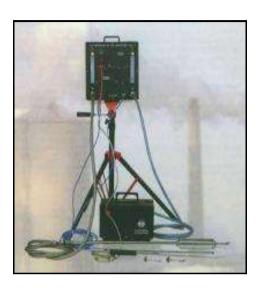
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.

2.0 STACK MONITORING **REPORT**



Period: June - 2023

FOR

M/s. Aarti Industries Limited (Unit - 2). (Diamond SEZ Unit)

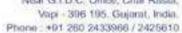
At

Plot No. Z/103/C, Dahej SEZ Part-II, Dahej-392 130, Tal. Vagara, Dist. Bharuch, Gujarat, India.

Monitoring Organization



White House Near G.I.D.C. Office, Char Rasta. Vapi - 396 195, Gujarat, India. Phone: 491 260 2433966 / 2425610 Email: response@uerl.in Website: www.uerl.in





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Consultant Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

	(
Test Report No.	UERL/23/06/AIL-2/S-001	Report Issue Date	07/06/2023
Service Request form No.	UERL/AIR/D/SRF/06/S-001	Service Request Date	24/06/2023
Sample ID No.	UERL/AIR/D/ID/S-23/06/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/001
	M/s. AARTI INDUSRIES LTD. (Unit-2)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Pa	rt-II,	
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.	
Date of Sampling	24/06/2023	Date of Testing	26/06/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device			

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018		
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	WHOTH HELL OF ID RESEARCE	II Laus PVI. Llu. 122
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	227.5

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	34	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7 **Note:** This report is subject to Terms and Conditions mentioned overleaf.



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Consultant Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

	(STACK MOTH			
Test Report No.	UERL/23/06/AIL-2/S-002	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-002	Service Request Date	24/06/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/06/002 Field Data Sheet No. UERL/AIR/D/FDS/S-23/06/00			
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Date of Sampling	24/06/2023	Date of Testing	26/06/2023	
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01				
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018		
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024		

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 30
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.1
7.	Exit Gas Flow	Nm³/h	235

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.8	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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GPC8 Recognited Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

	(STACK WOW	101111107		
Test Report No.	UERL/23/06/AIL-2/S-003	Report Issue Date	07/06/2023	
Service Request form No.	UERL/AIR/D/SRF/06/S-003	Service Request Date	24/06/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/06/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/06/003	
	M/s. AARTI INDUSRIES LTD. (Unit-2)			
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	24/06/2023	Date of Testing	26/06/2023	
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	10.5
7.	Exit Gas Flow	Nm³/h	223.4

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	32	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.





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GPCB Recognized Environmental Auditor (Schedule-II)

ISO WI01:2015 Certifed Company

190 45001 (2018) Centified Company

TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/23/07/AIL-2/S-001	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/001
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device		_	

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation	
1.	Stack Height	m	33	
2.	Stack Dia	mm	100	
3.	Stack Area	m²	0.0079	
4.	Ambient Temperature	°C	30	
5.	Flue Gas Temperature	oC	125	
6.	Exit Gas Velocity	m/s	11.2	
7.	Exit Gas Flow	Nm³/h	234.0	

> Test Parameter Results

DISC	IPLINE – CHEMICAL TESTING	NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	21	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	1.8	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GOI) Recognized Environmental taboratory under the EPA-1966 (3) 53:0023 to 22:09:2004)

QC-HABE Accredited BA & GW Consultant Organization GPCB Recognized Environmental Auditor (5 chedule-II) ISO WI01:2015 Certifed Company

ISO 45001 (2018 Conflid Company

TEST REPORT

(STACK MONITORING)

Test Report No.	UERL/23/07/AIL-2/S-002	Report Issue Date	05/08/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-002	Service Request Date	24/07/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/002
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (Unit-2) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	24/07/2023	Date of Testing	25/07/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		•
Air Pollution Control Device			

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	10.9
7.	Exit Gas Flow	Nm³/h	229.4

> Test Parameter Results

DISCIE	PLINE – CHEMICAL TESTING	NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	24	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	40	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.1	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



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GPCB Recognized Environmental Auditor (Schedule-II)

ISO WI01:2015 Certifed Company

190 45001 (2018) Centified Company

TEST REPORT

(STACK MONITORING)

		•		
Test Report No.	UERL/23/07/AIL-2/S-003	Report Issue Date	05/08/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-003 Service Request Date 24/07/2023		24/07/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/07/003 Field Data Sheet No. UERL/AIR/D/FDS/S-23/07			
	M/s. AARTI INDUSRIES LTD. (U	Jnit-2)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	24/07/2023	Date of Testing	25/07/2023	
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

> Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation	
1.	Stack Height	m	33	
2.	Stack Dia	mm	100	
3.	Stack Area	m ²	0.0079	
4.	Ambient Temperature	°C	30	
5.	Flue Gas Temperature	°C	121	
6.	Exit Gas Velocity	m/s	10.8	
7.	Exit Gas Flow	Nm³/h	227.9	

> Test Parameter Results

DISCIP	DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method	
1.	Particulate Matter (PM)	mg/Nm³	75	150	IS 11255(Part 1)	
2.	Sulphur Dioxide (SO ₂)	ppm	22	100	IS 11255(Part 2)	
3.	Oxide of Nitrogen (NOx)	ppm	37	50	IS 11255(Part 7)	
4.	TVOCs	ppm	2.2	**	GC Method	

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:



Vapi - 396 195, Guinrat, India. Phone: +01 260 2433966 / 2425610 Email: response@uerl.in Website: www.uerl.in

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Consultant Organization

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TEST REPORT

(STACK MONITORING)

	(01710171110111		
Test Report No.	UERL/23/07/AIL-2/S-001	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-001	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/001
	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Pa	ırt-II,	
	Tal. Vagra, Dist. Bharuch, Dahe	ej-392130, Gujarat.	
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device			

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	30
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	228.4

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	82	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	18	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	37	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:



MoEF&CC (GCI) Recognized Environmental QCI NASEI Accredited BA & CW Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

Consultant Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company SO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

	(OTTOK INOTAL		
Test Report No.	UERL/23/07/AIL-2/S-002	Report Issue Date	05/09/2023
Service Request form No.	UERL/AIR/D/SRF/07/S-002	Service Request Date	22/08/2023
Sample ID No.	UERL/AIR/D/ID/S-23/07/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/002
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Date of Sampling	22/08/2023	Date of Testing	23/08/2023
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)		
Fuel Used	Diesel		
Air Pollution Control Device			·

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	VIIOIIIEIL ociu Keseall	TLabs PVI. Llu. 30
5.	Flue Gas Temperature	°C	118
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	238.1

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NOx)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.3	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

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Phone: +91 260 2433966 / 2425610 Email: response@uerl.in Website: www.uerl.in

MoEF&CC (GOI) Recognized Environmental Laboratory under the EPA 1986 [31 03:2023 to 22:09:2024]

QCI NASE! Accredited EA & GW Consultant Organization GPC8 Recognited Environmental Auditor (Schedule-II)

50 9001 : 2015 Certified Company (\$0 4500) : 2016 Certified Company

TEST REPORT

(STACK MONITORING)

	(STACK MOTO			
Test Report No.	UERL/23/07/AIL-2/S-003	Report Issue Date	05/09/2023	
Service Request form No.	UERL/AIR/D/SRF/07/S-003	Service Request Date	22/08/2023	
Sample ID No.	UERL/AIR/D/ID/S-23/07/003	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/07/003	
	M/s. AARTI INDUSRIES LTD. (U	JNIT-2 DIAMOND)		
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,			
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,			
	Dahej-392130, Gujarat.			
Date of Sampling	22/08/2023	Date of Testing	23/08/2023	
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)			
Fuel Used	Diesel			
Air Pollution Control Device				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 30
5.	Flue Gas Temperature	°C	122
6.	Exit Gas Velocity	m/s	11.3
7.	Exit Gas Flow	Nm³/h	237.8

> Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _X)	ppm	38	50	IS 11255(Part 7)
4.	TVOCs	ppm	2.5	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

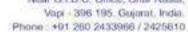
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.





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Consultant Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

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TEST REPORT

(STACK MONITORING)

(or tell morning)					
Test Report No.	UERL/23/09/AIL-2/S-001	Report Issue Date	05/10/2023		
Service Request form No.	UERL/AIR/D/SRF/09/S-001	Service Request Date	22/09/2023		
Sample ID No.	UERL/AIR/D/ID/S-23/09/001	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/001		
	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND)				
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.				
Date of Sampling	22/09/2023	22/09/2023 Date of Testing 23/09/2023			
Stack Sampling Attached to	D.G. Set - 1 (2000 KVA)				
Fuel Used	Diesel				
Air Pollution Control Device					

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01		
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	°C	32
5.	Flue Gas Temperature	MIOITHEIL & IU KESEAL	II Labs PVI. Llu. 122
6.	Exit Gas Velocity	m/s	11.2
7.	Exit Gas Flow	Nm³/h	238.9

Test Parameter Results

DISCIPLINE – CHEMICAL TESTING			NAME OF GROUP – ATMOSPHERIC POLLUTION		
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method
1.	Particulate Matter (PM)	mg/Nm³	78	150	IS 11255(Part 1)
2.	Sulphur Dioxide (SO ₂)	ppm	20	100	IS 11255(Part 2)
3.	Oxide of Nitrogen (NO _x)	ppm	36	50	IS 11255(Part 7)
4.	TVOCs	ppm	3.2	**	GC Method

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 7 **Note:** This report is subject to Terms and Conditions mentioned overleaf.



Email: response@uerl.in Website: www.uerl.in

MoEF&CC (GCI) Recognized Environmental QCI NASEI Accredited BA & CW Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

Consultant Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

50 9001:2015 Certified Company SO 45001 : 2018 Certified Company

TEST REPORT

(STACK MONITORING)

	(0171011110111						
Test Report No.	UERL/23/09/AIL-2/S-002	Report Issue Date	05/10/2023				
Service Request form No.	UERL/AIR/D/SRF/09/S-002	Service Request Date	22/09/2023				
Sample ID No.	UERL/AIR/D/ID/S-23/09/002	Field Data Sheet No.	UERL/AIR/D/FDS/S-23/09/002				
Name & Address of Customer	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.						
Date of Sampling	22/09/2023	Date of Testing	23/09/2023				
Stack Sampling Attached to	D.G. Set - 2 (2000 KVA)						
Fuel Used	Diesel						
Air Pollution Control Device			·				

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01	JERL-D/AIR/SMK/01									
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018								
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024								

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	WIOIIIIEII. € IU KESEAIC	I Labs PVI. Liu. 32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	11.0
7.	Exit Gas Flow	Nm³/h	235.8

> Test Parameter Results

DISCIE	PLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION					
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method			
1.	Particulate Matter (PM)	mg/Nm³	80	150	IS 11255(Part 1)			
2.	Sulphur Dioxide (SO ₂)	ppm	23	100	IS 11255(Part 2)			
3.	Oxide of Nitrogen (NOx)	ppm	38	50	IS 11255(Part 7)			
4.	TVOCs	ppm	2.8	**	GC Method			

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 8

Note: This report is subject to Terms and Conditions mentioned overleaf.

UERL/AIR/F-04/04

Email: response@uerl.in Website: www.uerl.in



MoEF&CC (GOI) Recognized Environmental

Laboratory under the EPA 1986 (31 /03:2023 to 22:09:2024)

QCI NASE! Accredited EA & GW Consultant - Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

SO 9001:2015 Certified Company (SO 4500) : 2016 Certified Company

TEST REPORT

(STACK MONITORING)

	(STACK MOM							
Test Report No.	UERL/23/09/AIL-2/S-003	05/10/2023						
Service Request form No.	UERL/AIR/D/SRF/09/S-003	Service Request Date	22/09/2023					
Sample ID No.	UERL/AIR/D/ID/S-23/09/003	UERL/AIR/D/FDS/S-23/09/003						
	M/s. AARTI INDUSRIES LTD. (UNIT-2 DIAMOND)							
Name & Address of Customer	Plot No. Z/103/C, Dahej SEZ Part-II,							
Name & Address of Customer	Tal. Vagra, Dist. Bharuch,							
	Dahej-392130, Gujarat.							
Date of Sampling	22/09/2023	Date of Testing	23/09/2023					
Stack Sampling Attached to	D.G. Set - 3 (2000 KVA)							
Fuel Used	Diesel							
Air Pollution Control Device								

Details of Instrument Used for Monitoring

Instrument Id No.	UERL-D/AIR/SMK/01	RL-D/AIR/SMK/01									
Instrument Name	Stack Monitoring Kit, VSS1	Serial Number	126 DTG 2018								
Calibration Date	21/06/2023	Next Calibration Due On	20/06/2024								

General Stack Monitoring Observation

Sr. No.	Description	Unit of Measurement	Observation
1.	Stack Height	m	33
2.	Stack Dia	mm	100
3.	Stack Area	m ²	0.0079
4.	Ambient Temperature	vironment and Research	h Lahs Pyt I td 32
5.	Flue Gas Temperature	°C	120
6.	Exit Gas Velocity	m/s	10.8
7.	Exit Gas Flow	Nm³/h	231.5

> Test Parameter Results

DISCIP	PLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION				
Sr. No.	Test Parameter	Unit of Measurement	Result	GPCB Limits	Test Method		
1.	Particulate Matter (PM)	mg/Nm³	76	150	IS 11255(Part 1)		
2.	Sulphur Dioxide (SO ₂)	ppm	19	100	IS 11255(Part 2)		
3.	Oxide of Nitrogen (NO _X)	ppm	35	50	IS 11255(Part 7)		
4.	TVOCs	ppm	2.9	**	GC Method		

Note: 1) ** Limit Not Define by in GPCB CC&A.

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 9 Note: This report is subject to Terms and Conditions mentioned overleaf.

UERL/AIR/F-04/04

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/04/WAM-AIL-U2-001

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 19/04/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.15	0.15	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/04/WAM-AIL-U2-002

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 19/04/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		Airborne Contamination		TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCA Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	23	Process Activities are	J.J. Lad	JITEN LAD
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.		

^{**} Limit has not been defined as per factory act

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/04/WAM-AIL-U2-003

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 19/04/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		Airborne Contamination		TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	Process Activities are	J. J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)				BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	10 to 10 to	

^{**} Limit has not been defined as per factory act.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/04/WAM-AIL-U2-004

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 20/04/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument	Airborne Co	Airborne Contamination		TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used				(As Given in Schedule II as Per		Exposed at		Samples	Letters)
				Number of	Range		Factory Act.)		the			
				Samples	Range				Location			
									Being			
									Monitored			
1	DCA Plant: 2 nd Floor (MIC Top Collection Vessel) (2-V-0207)	Methanol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	200 ppm	GC Method	23	All Process Activities are running.	J.J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/04/WAM-AIL-U2-005

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 20/04/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used				(As Given in Schedule II as		Exposed at		Samples	Letters)
				Number of	Danga		Per Factory		the			
				Samples	Range		Act.)		Location Being			
									Monitored			
1		Phenol (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method		All		
2	DCP Plant (1 st Floor)	Sulphuric Acid (mg/m³)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method	04	Process Activities	J.J. Lad	JITEN LAD
3	(3P0117-A)	Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	IS-5182 (Part-2) (RA 2017)		are running.	2	

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/04/WAM-AIL-U2-006

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 20/04/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		rborne amination	Average	TWA Concentration	Reference Method	Number of	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Workers Exposed at the Location Being Monitored		Samples	Letters)
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/05/WAM-AIL-U2-001

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 31/05/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.18	0.18	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/05/WAM-AIL-U2-002

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 31/05/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCA Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	23	Process Activities are	J.J. Lad	JITEN LAD
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.		

^{**} Limit has not been defined as per factory act

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/05/WAM-AIL-U2-003

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 19/05/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)	TVOC'S (ppm)	Handy	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	Process Activities are	J.J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	10 To	

^{**} Limit has not been defined as per factory act.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/05/WAM-AIL-U2-004

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 31/05/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument	Airborne Co	ontamination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant: 2 nd Floor (MIC Top Collection Vessel) (2-V-0207)	Methanol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	200 ppm	GC Method	23	All Process Activities are running.	J.J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/05/WAM-AIL-U2-005

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
 Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 31/05/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1		Phenol (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method		All		
2	DCP Plant (1 st Floor)	Sulphuric Acid (mg/m³)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method	04	Process Activities	J.J. Lad	JITEN LAD
3	(3P0117-A)	Sulphur Dioxide (mg/m³)	3 3 [01	0.057	0.057	5 mg/m³	IS-5182 (Part-2) (RA 2017)		are running.	,	

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/05/WAM-AIL-U2-006

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 31/05/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		rborne amination	Average	TWA Concentration	Reference Method	Number of	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number			(As Given in Schedule II as Per Factory		Workers Exposed at		Samples	Letters)
				of Samples	Range		Act.)		the Location Being Monitored			
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-001

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 22/06/2023**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.15	0.15	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-002

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/06/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCA Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	23	Process Activities are	J.J. Lad	JITEN LAD
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	≅0s	

^{**} Limit has not been defined as per factory act

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-003

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/06/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	Process Activities are	J. J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	10 to 10 to	

^{**} Limit has not been defined as per factory act.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-004

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/06/2023**

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		ontamination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block	
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)	
1	DCA Plant: 2 nd Floor (MIC Top Collection Vessel) (2-V-0207)	Methanol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	200 ppm	GC Method	23	All Process Activities are running.	J.J. Lad	JITEN LAD	

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-005

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/06/2023**

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used				(As Given in Schedule II as		Exposed at		Samples	Letters)
				Number of	Pango		Per Factory		the			
				Samples	Range		Act.)		Location			
									Being Monitored			
1		Phenol (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method		All		
2	DCP Plant (1 st Floor)	Sulphuric Acid (mg/m³)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method	04	Process Activities	J.J. Lad	JITEN LAD
3	(3P0117-A)	Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	IS-5182 (Part-2) (RA 2017)		are running.)	

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-006

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 24/06/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		rborne amination	Average	TWA Concentration	Reference Method	Number of	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number			(As Given in Schedule II as Per Factory		Workers Exposed at		Samples	Letters)
				of Samples	Range		Act.)		the Location Being Monitored			
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-001

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 22/06/2023**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.15	0.15	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-002

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/06/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCA Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	23	Process Activities are	J.J. Lad	JITEN LAD
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	≅0s	

^{**} Limit has not been defined as per factory act

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-003

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/06/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	Process Activities are	J. J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	10 to 10 to	

^{**} Limit has not been defined as per factory act.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-004

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/06/2023**

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		ontamination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block	
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)	
1	DCA Plant: 2 nd Floor (MIC Top Collection Vessel) (2-V-0207)	Methanol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	200 ppm	GC Method	23	All Process Activities are running.	J.J. Lad	JITEN LAD	

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-005

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/06/2023**

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used				(As Given in Schedule II as		Exposed at		Samples	Letters)
				Number of	Pango		Per Factory		the			
				Samples	Range		Act.)		Location			
									Being Monitored			
1		Phenol (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method		All		
2	DCP Plant (1 st Floor)	Sulphuric Acid (mg/m³)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method	04	Process Activities	J.J. Lad	JITEN LAD
3	(3P0117-A)	Sulphur Dioxide (mg/m³)		01	0.057	0.057	5 mg/m³	IS-5182 (Part-2) (RA 2017)		are running.)	

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/06/WAM-AIL-U2-006

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 24/06/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		rborne amination	Average	TWA Concentration	Reference Method	Number of	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number			(As Given in Schedule II as Per Factory		Workers Exposed at		Samples	Letters)
				of Samples	Range		Act.)		the Location Being Monitored			
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/07/WAM-AIL-U2-001

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/07/2023**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.12	0.12	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/07/WAM-AIL-U2-002

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/07/2023**

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCA Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	23	Process Activities are	J.J. Lad	JITEN LAD
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	≅0s	

^{**} Limit has not been defined as per factory act

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/07/WAM-AIL-U2-003

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/07/2023**

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	Process Activities are	J.J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	10 To	

^{**} Limit has not been defined as per factory act.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/07/WAM-AIL-U2-004

Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
 Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

- 2. Name of the Department / Plant: DCA Plant
- 3. Raw materials, by-products and finished products involved in the process: 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst2) Product- 2,5 Di Chloro Aniline.
- 4. Particulars of sampling: Work Place Monitoring.
- 5. **Date of Monitoring: 24/07/2023**

Sr No		Identified Contaminant	Sampling Instrument	Airborne Co	ontamination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used				(As Given in		Exposed		Samples	Letters)
							Schedule II as Per		at			
				Number of	Range		Factory Act.)		the			
				Samples	Mange				Location			
									Being			
									Monitored			
1	DCA Plant: 2 nd Floor (MIC Top Collection Vessel) (2-V-0207)	Methanol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	200 ppm	GC Method	23	All Process Activities are running.	J.J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/07/WAM-AIL-U2-005

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 24/07/2023**

Sr. No.	Location/ Identified Operation Contaminant I		Sampling Airborne Instrument Contamination		Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block	
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being		Samples	Letters)
									Monitored			
1		Phenol (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method		All		
2	DCP Plant (1 st Floor)	Sulphuric Acid (mg/m³)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method	04	Process Activities	J.J. Lad	JITEN LAD
3	(3P0117-A)	Sulphur Dioxide (mg/m³)		01	0.055	0.055	5 mg/m³	IS-5182 (Part-2) (RA 2017)		are running.		

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/07/WAM-AIL-U2-006

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 24/07/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		Airborne Contamination		TWA Concentration	Reference Method	Number of	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number			(As Given in Schedule II as Per Factory		Workers Exposed at		Samples	Letters)
				of Samples	Range		Act.)		the Location Being Monitored			
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/08/WAM-AIL-U2-001

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/08/2023

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.13	0.13	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J. J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/08/WAM-AIL-U2-002

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 22/08/2023**

Sr. No.	Location/ Operation	Identified Sampling Contaminant Instrument		Airborne Contamination		Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant (Ground Floor)	TVOC'S (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**		23	All Process Activities are running.	(4)	JITEN LAD
2	DCA Plant (1st Floor)		l Hallay	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method				
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**					

^{**} Limit has not been defined as per factory act

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/08/WAM-AIL-U2-003

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 22/08/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		Airborne Contamination		TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)	TVOC'S (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)		Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04		J.J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			are running.	11.00	

^{**} Limit has not been defined as per factory act.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/08/WAM-AIL-U2-004

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 23/08/2023

Sr. No.	Location/ Identified Operation Contaminant		, ,		Airborne Contamination		TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block	
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)	
1	DCA Plant: 2 nd Floor (MIC Top Collection Vessel) (2-V-0207)	Methanol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	200 ppm	GC Method	23	All Process Activities are running.	J.J. Lad	JITEN LAD	

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/08/WAM-AIL-U2-005

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 23/08/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being		Samples	Letters)
									Monitored			
1		Phenol (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method		All		
2	DCP Plant (1 st Floor)	Sulphuric Acid (mg/m³)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method	04	Process Activities	J.J. Lad	JITEN LAD
3	(3P0117-A)	Sulphur Dioxide (mg/m³)	3 	01	0.055	0.055	5 mg/m³	IS-5182 (Part-2) (RA 2017)		are running.)	

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/08/WAM-AIL-U2-006

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. Date of Monitoring: - 23/08/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		rborne amination	Average	TWA Concentration	Reference Method	Number of	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Workers Exposed at the Location Being Monitored		Samples	Letters)
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/09/WAM-AIL-U2-001

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 21/09/2023**

Sr. No.	Location/ Operation Mentioned	Identified Contaminant	Sampling Instrument Used		orne nination Range	Average	TWA Concentration (As Given in Schedule II as Per Factory Act.)	Reference Method	Number of Workers Exposed at the Location Being Monitored	Remarks	Signature of Person Taking Samples	Name (In Block Letters)
1	Behind ETP Area	Total Dust (mg/m³)	Handy Sampler	01	0.15	0.15	10 mg/m³	NIOSH 0500	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/09/WAM-AIL-U2-002

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst

2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 21/09/2023**

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCA Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	23	Process Activities are	J.J. Lad	JITEN LAD
3	DCA Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	active a	

^{**} Limit has not been defined as per factory act

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/09/WAM-AIL-U2-003

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: - 22/09/2023**

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCP Plant (Ground Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			All		
2	DCP Plant (1st Floor)	TVOC'S (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**	GC Method	04	Process Activities are	J. J. Lad	JITEN LAD
3	DCP Plant (2nd Floor)			01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	**			running.	- Th	

^{**} Limit has not been defined as per factory act.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/09/WAM-AIL-U2-004

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCA Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Nitro Benzene, Hydrogen, Fresh Methanol, Catalyst2) Product- 2,5 Di Chloro Aniline.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring: -** 23/09/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument	Airborne Co	ontamination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1	DCA Plant: 2 nd Floor (MIC Top Collection Vessel) (2-V-0207)	Methanol (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	200 ppm	GC Method	23	All Process Activities are running.	J.J. Lad	JITEN LAD

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/09/WAM-AIL-U2-005

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)
Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - DCP Plant

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Di Chloro Aniline, Sulphuric Acid,

2) Product- Dichloro Phenol.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 23/09/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		borne mination	Average	TWA Concentration	Reference Method	Number of Workers	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number of Samples	Range		(As Given in Schedule II as Per Factory Act.)		Exposed at the Location Being Monitored		Samples	Letters)
1		Phenol (ppm)		01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	5 ppm	GC Method		All		
2	DCP Plant (1 st Floor)	Sulphuric Acid (mg/m³)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	1 mg/m³	EPA Method	04	Process Activities	J.J. Lad	JITEN LAD
3	(3P0117-A)	Sulphur Dioxide (mg/m³)	3 3 [01	0.055	0.055	5 mg/m³	IS-5182 (Part-2) (RA 2017)		are running.	,	

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi

Authorized By:

Jaivik S. Tandel

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A (a)(e).

Test Report No. UERL/23/09/WAM-AIL-U2-006

1. Name of Industries: M/s. Aarti Industries Ltd. (Dahej SEZ Unit Diamond)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

2. Name of the Department / Plant: - ETP Plant.

3. Raw materials, by-products and finished products involved in the process: - 1) Raw Material: Lime, Poly. 2) Product: Treated Effluent.

4. Particulars of sampling: - Work Place Monitoring.

5. **Date of Monitoring:** - 23/09/2023

Sr. No.	Location/ Operation	Identified Contaminant	Sampling Instrument		rborne amination	Average	TWA Concentration	Reference Method	Number of	Remarks	Signature of Person Taking	Name (In Block
	Mentioned		Used	Number			(As Given in Schedule II as Per Factory		Workers Exposed at		Samples	Letters)
				of Samples	Range		Act.)		the Location Being Monitored			
1	Near ETP Plant-1 Seal Water Tank (9-V-0217)	Xylene (ppm)	Handy Sampler	01	BDL (MDL: 0.1)	BDL (MDL: 0.1)	100 ppm	GC Method	15	All Process Activities are running.	J.J. Lad	JITEN LAD

Note: BDL – Below Detection Limit.

Work Place Monitoring done by M/s. Unistar Environment & Research Labs Pvt. Ltd., Vapi.

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: April - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-001 Report Issue Date: 05/05/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

			<u> </u>		
			Parameter v	with Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NO x μg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	83	33	22.5	28.2
2	05/04/2023	86	34	19.2	24.7
3	12/04/2023	80	29	21.2	27.1
4	13/04/2023	84	30	24.5	26.1
5	17/04/2023	83	31	21.0	24.5
6	19/04/2023	81	29	25.2	27.6
7	24/04/2023	84	32	23.7	28.1
8	25/04/2023	78	26	22.5	26.4
	Max.	86	34	25.2	28.2
Min.		78	26	19.2	24.5
	98 th Percentile	85.7	33.9	25.1	28.2
Per	missible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: April - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-002 Report Issue Date: 05/05/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			·		
			Parameter v	with Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	75	28	20.8	24.2
2	05/04/2023	78	25	23.7	26.2
3	12/04/2023	82	31	22.1	27.5
4	13/04/2023	80	29	22.6	27.7
5	17/04/2023	76	26	24.0	27.4
6	19/04/2023	70	24	19.9	25.8
7	24/04/2023	76	25	19.0	25.0
8	25/04/2023	72	26	22.5	26.8
	Max.	82	31	24.0	27.7
Min.		70	24	19.0	24.2
	98 th Percentile	81.7	30.7	24.0	27.7
Per	missible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: April - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/04/AIL-2/A-003 Report Issue Date: 05/05/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

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			Parameter v	with Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NO x μg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	04/04/2023	72	29	22.2	27.8
2	05/04/2023	76	26	25.6	29.6
3	12/04/2023	67	24	19.3	25.4
4	13/04/2023	77	32	22.5	26.7
5	17/04/2023	82	28	22.6	25.4
6	19/04/2023	76	26	19.8	22.9
7	24/04/2023	72	23	21.2	23.5
8	25/04/2023	80	30	23.7	27.6
	Max.	82	32	25.6	29.6
Min.		67	23	19.3	22.9
	98 th Percentile	81.7	31.7	25.3	29.3
Per	missible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tande

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month : May - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-001 Report Issue Date: 05/05/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

			Parameter v	vith Results	
Sr. No.	Date of Monitoring	PM₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	78	28	18.2	23.3
2	03/05/2023	85	30	19.5	22.8
3	08/05/2023	82	27	17.2	23.3
4	09/05/2023	88	32	20.8	25.1
5	15/05/2023	75	26	16.7	20.3
6	16/05/2023	77	27	22.5	26.5
7	22/05/2023	79	29	19.1	23.4
8	23/05/2023	82	26	18.8	22.3
9	29/05/2023	84	30	20.3	25.3
10	30/05/2023	76	25	19.8	24.5
	Max.	88	32	22.5	26.5
	Min.	75	25	16.7	20.3
	98 th Percentile	87.5	31.6	22.2	26.3
Per	missible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard. 3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: May - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-002 Report Issue Date: 05/05/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter v	vith Results	
Sr. No.	Date of Monitoring	PM₁₀ μg/m ³	PM_{2.5} µg/m ³	SOx μg/m³	NO x μg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/05/2023	82	30	19.9	25.2
2	03/05/2023	80	27	21.2	25.8
3	08/05/2023	86	31	18.5	23.6
4	09/05/2023	76	27	17.3	24.1
5	15/05/2023	78	29	19.1	23.2
6	16/05/2023	80	30	20.5	26.3
7	22/05/2023	75	22	21.3	24.8
8	23/05/2023	74	23	20.4	25.6
9	29/05/2023	78	26	22.5	27.3
10	30/05/2023	72	24	23.4	26.8
Max.		86	31	23.4	27.3
	Min.	72	22	17.3	23.2
	98 th Percentile	85.3	30.8	23.2	27.2
Per	missible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

lutnorizea By:

Jaivik S. Tande

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

Month: May - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/05/AIL-2/A-003 Report Issue Date: 05/05/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

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			Parameter v	vith Results		
Sr. No.	Date of Monitoring	PM₁₀ μg/m³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/05/2023	75	24	16.8	20.5	
2	03/05/2023	78	28	21.8	26.2	
3	08/05/2023	72	23	18.9	23.1	
4	09/05/2023	80	29	18.2	22.3	
5	15/05/2023	76	25	20.2	24.1	
6	16/05/2023	78	28	18.3	23.8	
7	22/05/2023	82	23	22.5	27.1	
8	23/05/2023	72	24	21.2	26.3	
9	29/05/2023	80	32	19.2	24.1	
10	30/05/2023	78	27	20.5	25.5	
Max.		82	32	22.5	27.1	
	Min.	72	23	16.8	20.5	
	98 th Percentile	81.6	31.5	22.4	27.0	
Per	missible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Plant discount

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: June - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/06/AIL-2/A-001 Report Issue Date: 05/07/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

			Parameter v	vith Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg /m ³	SOx μg/m³	NOx μg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	72	23	17.2	20.6
2	06/06/2023	74	23	20.3	21.6
3	12/06/2023	80	28	17.6	22.5
4	13/06/2023	76	25	16.5	20.8
5	19/06/2023	84	30	18.4	23.3
6	20/06/2023	75	23	19.2	24.8
7	26/06/2023	78	28	20.1	21.4
8	27/06/2023	80	26	16.8	22.7
Max.		84	30	20.3	24.8
Min.		72	23	16.5	20.6
	98 th Percentile	83.4	29.7	20.3	24.6
Perr	missible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard. 3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: June - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/06/AIL-2/A-002 Report Issue Date: 05/07/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter v	vith Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	76	24	18.7	21.2
2	06/06/2023	68	25	16.3	19.4
3	12/06/2023	75	22	19.1	17.7
4	13/06/2023	69	27	18.4	21.5
5	19/06/2023	73	24	16.6	23.7
6	20/06/2023	77	23	17.2	19.4
7	26/06/2023	70	25	19.5	18.6
8	27/06/2023	72	27	16.4	22.5
Max.		77	27	19.5	23.7
Min.		68	22	16.3	17.7
	98 th Percentile	76.9	27.0	19.4	23.5
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Jaivik S. Tandel

(Manager - Operations)

Authorized By:

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: June - 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/06/AIL-2/A-003 Report Issue Date: 05/07/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

			Parameter v	with Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NO x μg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	05/06/2023	83	30	18.3	24.4
2	06/06/2023	86	32	14.7	19.7
3	12/06/2023	78	29	16.3	21.4
4	13/06/2023	82	31	18.2	20.5
5	19/06/2023	74	33	15.8	18.6
6	20/06/2023	87	24	17.6	23.3
7	26/06/2023	84	28	16.1	22.8
8	27/06/2023	79	25	15.0	21.2
Max.		87	33	18.3	24.4
Min.		74	24	14.7	18.6
	98 th Percentile	86.9	32.9	18.3	24.2
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. Ambient Air Quality Monitoring Data For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

By - UniStar Environment and Research Labs Pvt. Ltd.

			Month : July- 2023		
DISCIPLINE:	DISCIPLINE: CHEMICAL TESTING		NAME OF GROUP: ATMOSPHERIC POLLUTION	LUTION	
Test Report	Test Report No: UERL/23/07/AIL-2/A-001		Report Issue Date: 05/08/2023		
Location : A	Location : AAQM-1 : Near Main Gate		Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)	FPS (Sr. No. 433-G-2020)	
			Parameter with Results	ith Results	
Sr. No.	Date of Monitoring	PM₁₀ µg/m³	PM _{2.5} µg/m³	SOx µg/m³	NOx µg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
~	04/07/2023	92	24	20.8	24.4
2	05/07/2023	80	22	22.6	25.4
3	02/07/2023	72	24	19.8	22.9
4	13/07/2023	82	20	19.3	25.4
5	17/07/2023	76	23	23.7	27.6
9	18/07/2023	72	25	21.2	23.5
7	27/07/2023	74	24	22.5	26.7
8	28/07/2023	89	20	25.6	29.6
	Мах.	82	25	25.6	29.6
	Min.	89	20	19.3	22.9
	98 th Percentile	81.7	24.9	25.3	29.3
Peri	Permissible Limit (As Per NAAQMS)	100	09	80	08
1	7 C			ii (C) (C) (C) (C) (C) (C) (C) (C) (C) (C)	-

NOTE:1) Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

d By:	Åı	Patel	(Chemist)
Checked By:	州	Nikunj D. Patel	(Che

Authorized By:	A-40	Jaivik S. Tandel

Ambient Air Quality Monitoring Data For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

			Month : July- 2023			
DISCIPLINE:	DISCIPLINE: CHEMICAL TESTING		NAME OF GROUP: ATMOSPHERIC POLLUTION	LUTION		
Test Report	Test Report No: UERL/23/07/AIL-2/A-002		Report Issue Date: 05/08/2023			
Location : A	Location : AAQM-2 : Near ETP Plant		Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)	FPS (Sr.No. 435-G-2020)		
			Parameter with Results	vith Results		
Sr. No.	Date of Monitoring	PM₁₀ µg/m³	PM _{2.5} µg/m³	SOx µg/m³	νον μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
~	04/07/2023	75	28	22.2	26.4	
2	05/07/2023	82	26	21.0	23.9	
8	02/07/2023	72	33	25.2	27.6	
4	13/07/2023	74	31	21.2	27.1	
5	17/07/2023	81	29	22.9	26.4	
9	18/07/2023	84	33	23.7	27.6	
7	27/07/2023	80	34	24.5	26.1	
8	28/07/2023	78	29	19.2	24.7	
	Мах.	84	34	25.2	27.6	
	Min.	72	26	19.2	23.9	
	98 th Percentile	83.6	33.9	25.1	27.6	
Peri	Permissible Limit (As Per NAAQMS)	100	09	80	80	
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NOTE:1) Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.



Authorized By:

Jaiwik S. Tandel

(Manager - Operations)

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Ambient Air Quality Monitoring Data For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd) Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

			Month : July- 2023		
DISCIPLINE:	DISCIPLINE: CHEMICAL TESTING		NAME OF GROUP: ATMOSPHERIC POLLUTION	LUTION	
Test Report	Test Report No: UERL/23/07/AIL-2/A-003		Report Issue Date: 05/08/2023		
Location : A	Location : AAQM-3 : Near DCS PCC Control Room)		Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)	-PS (Sr. No. 436 G 2020)	
			Parameter with Results	vith Results	
Sr. No.	Date of Monitoring	PM ₁₀ µg/m³	PM _{2.5} µg/m³	SOx µg/m³	NOx µg/m³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
7-	04/07/2023	74	26	19.5	23.3
2	05/07/2023	72	26	24.0	27.4
3	02/07/2023	75	28	19.9	25.8
4	13/07/2023	92	26	22.1	27.5
5	17/07/2023	70	24	22.5	26.8
9	18/07/2023	76	27	19.0	25.0
7	27/07/2023	78	26	22.6	27.7
80	28/07/2023	75	24	23.7	26.2
	Мах.	78	28	24.0	27.7
	Min.	70	24	19.0	23.3
	98 th Percentile	7.77	27.9	24.0	27.7
Perr	Permissible Limit (As Per NAAQMS)	100	09	80	80
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NOTE:1) Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.



Authorized By:
Jaivik S. Tandel
(Manager - Operations)

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For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: August- 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-001 Report Issue Date: 05/09/2023

Location: AAQM-1: Near Main Gate Instrument: RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

			Parameter v	with Results	
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NOx μg/m ³
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)
1	02/08/2023	68	24	11.7	20.6
2	03/08/2023	59	20	15.8	22.7
3	07/08/2023	62	22	16.9	20.8
4	08/08/2023	69	21	15.4	21.2
5	17/08/2023	63	18	18.2	23.4
6	18/08/2023	71	24	16.9	20.2
7	23/08/2023	72	20	15.4	19.1
8	24/08/2023	74	23	14.3	18.4
9	28/08/2023	59	18	16.2	22.3
10	29/08/2023	62	22	18.1	24.5
Max.		74	24	18.2	24.5
	Min.	59	18	11.7	18.4
	98 th Percentile	73.6	24.0	18.2	24.3
Pern	missible Limit (As Per NAAQMS)	100	60	80	80

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

uthorized By

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: August- 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-002 Report Issue Date: 05/09/2023

Location : AAQM-2 : Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

			Parameter v	with Results		
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NOx μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/08/2023	70	25	13.2	18.1	
2	03/08/2023	61	22	18.6	23.4	
3	07/08/2023	60	20	15.7	21.2	
4	08/08/2023	65	18	16.3	20.5	
5	17/08/2023	69	20	17.8	21.3	
6	18/08/2023	67	22	14.3	19.7	
7	23/08/2023	70	18	16.1	21.3	
8	24/08/2023	68	20	17.5	20.2	
9	28/08/2023	61	19	15.8	19.5	
10	29/08/2023	60	20	16.4	22.6	
Max.		70	25	18.6	23.4	
	Min.	60	18	13.2	18.1	
	98 th Percentile	70.0	24.5	18.5	23.3	
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

uthorized By

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

Month: August- 2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/08/AIL-2/A-003 Report Issue Date: 05/09/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

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		Parameter with Results				
Sr. No.	Date of Monitoring	PM₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NOx μg/m ³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	02/08/2023	66	22	15.1	21.3	
2	03/08/2023	57	17	16.4	20.2	
3	07/08/2023	63	25	13.5	19.7	
4	08/08/2023	58	16	15.9	22.4	
5	17/08/2023	61	21	16.5	17.3	
6	18/08/2023	63	18	13.6	17.1	
7	23/08/2023	66	22	14.8	19.4	
8	24/08/2023	70	21	15.2	21.5	
9	28/08/2023	59	17	18.3	22.8	
10	29/08/2023	63	25	14.7	18.0	
	Max.	70	25	18.3	22.8	
	Min.	57	16	13.5	17.1	
	98 th Percentile	69.3	25.0	18.0	22.7	
Perm	nissible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel (Chemist) uthorized By

Jaivik S. Tande

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-001 Report Issue Date: 05/10/2023

Location : AAQM-1 : Near Main Gate Instrument : RDS (Sr. No. 247-G-2020) & FPS (Sr. No. 433-G-2020)

		Parameter with Results				
Sr. No.	Date of Monitoring	PM₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³	
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)	
1	05/09/2023	78	25	14.5	18.2	
2	07/09/2023	66	21	13.5	21.2	
3	14/09/2023	60	20	14.8	21.3	
4	15/09/2023	70	25	18.3	19.5	
5	19/09/2023	69	20	15.1	18.1	
6	20/09/2023	61	19	16.4	23.4	
7	25/09/2023	65	18	15.2	20.2	
8	26/09/2023	70	25	16.2	20.1	
Max.		78	25	18.3	23.4	
Min.		60	18 13.5		18.1	
98 th Percentile		76.9	25.0	18.0	23.1	
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80	

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By – UniStar Environment and Research Labs Pvt. Ltd.

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-002 Report Issue Date: 05/10/2023

Location: AAQM-2: Near ETP Plant Instrument: RDS (Sr. No. 249-G-2020) & FPS (Sr.No. 435-G-2020)

		Parameter with Results					
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM_{2.5} μg/m ³	SOx μg/m³	NO x μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	05/09/2023	67	24	17.2	21.5		
2	07/09/2023	59	23	16.9	20.8		
3	14/09/2023	63	25	15.4	19.1		
4	15/09/2023	66	22	16.2	22.3		
5	19/09/2023	61	21	11.7	20.6		
6	20/09/2023	57	17	15.8	22.7		
7	25/09/2023	58	16	14.3	18.4		
8	26/09/2023	66	20	18.8	23.2		
Max.		67	25	18.8	23.2		
Min.		57	16	11.7	18.4		
98 th Percentile		66.9	24.9	18.6	23.1		
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80		

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

(Manager - Operations)

Authorized By:

Jaivik S. Tandel

For M/s. AARTI INDUSTRIES LIMITED., (Unit-2 Diamomd)

Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.

By - UniStar Environment and Research Labs Pvt. Ltd.

MONTH: SEPTEMBER-2023

DISCIPLINE: CHEMICAL TESTING NAME OF GROUP: ATMOSPHERIC POLLUTION

Test Report No: UERL/23/09/AIL-2/A-003 Report Issue Date: 05/10/2023

Location: AAQM-3: Near DCS PCC Control Room) Instrument: RDS (Sr. No. 250 G 2020) & FPS (Sr. No. 436 G 2020)

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		Parameter with Results					
Sr. No.	Date of Monitoring	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	SOx μg/m³	NO x μg/m³		
		IS:5182 (Part-23)	IS:5182 (Part-24)	IS:5182 (Part-2)	IS:5182 (Part-6)		
1	05/09/2023	74	23	15.1	20.2		
2	07/09/2023	65	19	15.7	19.7		
3	14/09/2023	62	22	16.1	19.4		
4	15/09/2023	68	24	15.8	22.8		
5	19/09/2023	63	18	13.2	21.3		
6	20/09/2023	59	18	18.6	20.2		
7	25/09/2023	69	21	17.5	21.5		
8	26/09/2023	72	23	15.5	21.6		
Max.		74	24	18.6	22.8		
Min.		59	18	13.2	19.4		
98 th Percentile		73.7	23.9	18.4	22.6		
Pern	nissible Limit (As Per NAAQMS)	100	60	80	80		

NOTE:1). Ambient Air Monitoring carried out for 24 hours time period, 2). NAAQMS: National Ambient Air Quality Monitoring Standard.3) RDS: Respirable Dust Sampler & 4) FPS: Fine Particulate Dust Sampler.

Checked By:

Nikunj D. Patel

(Chemist)

Authorized By:

Jaivik S. Tande

		ANNEXURE-9
	Compliance of EMP (
Sr. No.	Conditions	Compliance
	action Phase	Compilation
	Site Preparation	
	Uplift of dust during the excavation, leveling operations etc.	Complied
1	Control Measure: Sprinkling of water over land, and provision of enclosure.	Regular sprinkling of water over land, and provision of enclosure done for dust reduction in workplace
ii	Sanitization	
1	Sanitization facilities. Control Measure: Sewage will be sent to soak pit.	Complied Sewage water is now treated in the STP plant.
iii	Noise	
	Movement of vehicles like truck, Dozer, Cranes.	
	interest of verticise into truck, Bozof, Ordines.	
	Control Measure: Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles will be maintained in well condition	Complied Restrict movement of vehicle between 10 p.m. to 6 a.m. All vehicles are maintained in well condition
2	Construction activity. Control Measure: Engineering control, Provide noise protection devices like earmuffs, ear plug to worker, Rotation of work to minimize exposure.	Complied Engineering control, noise protection devices like earmuffs, ear plug to worker, Rotation of work are provided to minimize exposure.
iv	Wastes from construction equipment	
1	Dozer, Cranes Control Measures:	Complied Unit has avoided spillage, proper storage, disposal by
ļ	Avoid spillage, proper storage, disposal by selling to reprocessor.	selling to reprocessor.
2	Painting Control Measures:	Complied
	Proper storage, disposal by selling to authorized buyers/incineration. Construction.	Unit has properly stored and disposed to authorized buyers/incineration.
3	Control Measures: Use for leveling purpose within premises	Complied Use has used leveling purpose for filling of low lying area.
Operation	on Phase	
	Air Environment	
1	Flue Gas Emissions: Unit shall provide acoustic enclosure and adequate stack height for D.G Set	Complied Unit has provided acoustic enclosure and adequate stack height for D.G Set
2	Process Gas Emissions:	Complied.
	Unit shall provide APCM and adequate stack height for control of process gaseous emissions	Unit has provided a scrubber system and adequate stack height to all process gas emissions.
3	<u> </u>	
В.	Water Environment	
	Water Consumption The total water consumption of the proposed new unit will be 1429 KL/day. Out of the total water of 1429 KLD, fresh water will be	Agreed
	1253 KLD (Domestic requirement will be 47 KLD and industrial	Unit will ensure, the permitted water consumption value will
	requirement will be 1262 KLD).	not be exeeded. Agreed
ļ	Wastewater Generation:	
2	Total wasta water generation shall not average marriagible limit	Unit will ensure, the permitted wastewater generation value
2 C .	Total waste water generation shall not exceed permissible limit	Unit will ensure, the permitted wastewater generation value will not be exeeded.

Transportation activities Control Measures Green belt, Restriction on transportation between 08 p.m. to 9 a.m., Maintain vehicle in good condition. On J. G. Set Control Measures Control Measures Control Measures Acquisite enclose, Engineering control		<u></u>	
1 Control Measures: a. Grone both, Restriction on transportation between 08 p.m., to 9 a.m., Maintain vehicle in good condition. D. G. Set 2 Control Measures: A. Acoustic enclose, Engineering control. D. Provision of PPE, Green belt, 3 Partifricoses area Development of greenbelt comprising of appropriately selected spacies of shrubs and treas. It is recommended that plantation be made on site, road sides, around waste treatment units. E. Raw Material and Product Storage Area 1 Raw materials will be stored in M.S. tanks, S.S. tank and HDPE Carboys, HDPE bags atc in separeate slotage room 1 Raw materials will be stored in M.S. tanks, S.S. tank and HDPE Carboys, HDPE bags atc in separeate slotage room 2 Raw materials will be stored in M.S. tanks, S.S. tank and HDPE Carboys, HDPE bags atc in separeate slotage room 3 Separate collection system is provided for collection of spillage material, Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved 4 Hazardous flammable substances are separately stored within premises. Solvent transfer will be done by pumps. Reactor & solvent handling pump have mechanical seal sale sale for first phase production will do the same in next phases. 4 The acid tanks will be provided with dyke wall to control spread of leakages. 5 Vehicular Pollution Control All vehicles will be maintained in well condition by regular preventive maintenance to reduce the exhaust level. 2 Provent of all vehicles used in the transportation will be adopted by the unit to minimize the risk of accidents within a chemical manufacturing unit 4 I reasonably practical measures will be adopted by the unit to minimize the risk of accidents within a chemical manufacturing unit 2 All vehicles are maintained in well condition by regular preventive maintained in the transportation will be		Transportation activities	
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a. m., Maintain vehicle in good condition. D. G. Set Control Measures: A. Acoustic enclose, Engineering control. D. Provision of PPE Green belt. Provided acoustic enclose, Engineering control in D. G. Set for preventing noise pollution Development of greenbelt comprising of appropriately selected species of shrubs and these. It is recommended that plantation be made on sites, road sides, around waste treatment units. E. Raw Material and Product Storage Area Raw materials will be stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags, etc in sepereate storage room will be stored in M.S tanks, S.S tank and HDPE Carboys, HDPE bags, etc in sepereate storage room for first phase production will do the same in next phases Separate collection system is provided for collection of spillage material. Impervious layer, RCC roads and flooring is provided to area, where the chemical storage and handling activities is involved Hazardous flammable substances are separately stored within premises. Solvent transfer will be done by pumps. Reactor & solvent handling pump have mechanical seal 4 The acid tanks will be provided with dyke wall to control spread of leakages. F. Vehicular Pollution Control All vehicles will be maintained in well condition by regular preventive maintenance to reduce the exhaust level. Provided acoustic enclose, Engineering control in D. G. Set for preventing noise pollution. Compiled Green belt developed with appropriate species of shrubs and trees like Guimbara. Vehicles in provided for species of shrubs and trees like Guimbara. Vehicles in provided of the same in next phases. Compiled All vehicles of the provided of the provided of collection of species of shrubs and trees like of provided of the same in next phases. Compiled All vehicles will be provided with dyke wall to control spread of leakages for first phase production will do the same in next phases. Compiled All vehicles will be maintained in well condition by regular preventive maintenance to reduce the exhaust level. Sp	'		
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a. Work specified PPEs b. Safety Showers c. Fire extinguishers d. Hydrant tank with circulated networks e. DG Sets etc. are provided to minimize the risk of accidents. All building plans and installations will be as per relevant laws and Unit has considered to construct Green Buildings which will			Compiled
a. Work specified PPEs b. Safety Showers c. Fire extinguishers d. Hydrant tank with circulated networks e. DG Sets etc. are provided to minimize the risk of accidents. All building plans and installations will be as per relevant laws and Unit has considered to construct Green Buildings which will	1		All reasonable practical measures like:
b. Safety Showers c. Fire extinguishers d. Hydrant tank with circulated networks e. DG Sets etc. are provided to minimize the risk of accidents. Agreed & Complied 2 All building plans and installations will be as per relevant laws and	1		
c. Fire extinguishers d. Hydrant tank with circulated networks e. DG Sets etc. are provided to minimize the risk of accidents. Agreed & Complied 2 All building plans and installations will be as per relevant laws and	1		
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All building plans and installations will be as per relevant laws and Unit has considered to construct Green Buildings which will			
All building plans and installations will be as per relevant laws and Unit has considered to construct Green Buildings which will			
All building plans and installations will be as per relevant laws and Unit has considered to construct Green Buildings which will	2		
	I -		
		will be approved by competent authority	pe approved by the competent authority

	T	O-marked
	0. 3-11-	Complied
3	Suitable personnel protective equipments and fire extinguishers at	
		Unit has provided PPEs and Fire Extinguishers at Strategic
	be provided	Locations.
	Training will be imparted to all workers for all the hazardous	Complied
4	process operations within the plant and will be supervised by	
	experienced supervisors	Trainings have been for all workers who deal with
	'	hazardous process operations within the plant
		Complied
5		
		Unit has provided Flame proof electric fittings, flame
	Flame proof electrical fittings, flame arrestors etc will be installed	arrestors etc.
		Complied
		All the very restarted barre base stored in the DM
6	All the very restanted will be atomed in designated atoms or and	All the raw materials have been stored in the RM
	All the raw materials will be stored in designated storage area	Warehouse and which is equipped with specific safety
	equipped with necessary safety features	features.
		Complied
_		
7	David dia in an anti-se O to the section of second section and	Regular preventive maintenance and periodic inspection of
		machines is done by the Unit for first phase of produciton
	machineries will be done.	and will do the same for next phases.
8		Complied
°	Good housekeeping will be ensured within the factory premises	Good house keeping is ensured within the factory.
	Cood flousekeeping will be ensured within the factory premises	Complied
		Complied
		All designated staff & workers are properly trained and
9	All designated staff & workers will be trained for the fire-fighting,	regular trainings are provided for fire-fighting, work permit
	work permit system, first aid and safe handballing of hazardous	system, first aid and safe handballing of hazardous
	chemicals.	chemicals.
		Agreed & Comply
10	Incident/accident reporting system will be developed and all the	Unit will report incident or accident to all the employees for
	employees will be made aware for the same.	their awareness.
		Agreed and will Comply
٠, ١		
11	Suitable notices/boards will be displayed at designated locations	Proper boards/notices will be displayed at designated
	indicating appropriate hazard warnings.	locations indicating hazard warnings.
		Complied
12		
'2	Antidotes as well as MSDS for all the chemicals will be made	Antidotes are MSDS are availaible for all chemicals within
	available within the factory premises.	company premises.
		Complied
	Pre-employment medical checkup at the time of employment will	
13	be carried out. In order to safe guard the health of the employees,	Pre-employment medical checkup at the time of
	all the employees undergo periodic health checkup at every six	employment is carried out. All the employees undergo
	month.	periodic health checkup at every six month.
H.	Storm Water Management	
	The drains for storm water will be kept clean and dry in summer	
	and winter. The storm water drains will be connected to holding	
	tank. The rain water of the premises will be collected in this holding	
	tank through storm water drains. The collected water will be	Agreed and will comply.
1	analyzed for any contamination of pollutants for 1st and 2nd rain	
	during monsoon. If analysis indicates any contamination, the	
	collected water will be diverted to ETP plant. In case of no	
	contamination, the collected water will be used in cooling tower	
	and other applications.	,,
		Unit has planned to consider the solar panels on the
I.	Energy Conservation Programme	roofs of admin and security buildings.
"		Unit will ensure the Preventive Maintenance of
		equipments which may cause excess energy expenditure.

		Agreed and will comply
		y groot and this compry
		Unit has provided ETP and will provide RO & MEE to
	Water Conservation Programme	recycle water which will result in reduction of freshwater consumption.
J.		Unit has started the STP operation and sweage water are
		treated in STP Plant we will reuse the treated water from
		STP to the gardening purpose.
		Unit will ensure to provide Stormwater reservior to reuse
K.	Management of Traffic	
		Complied
	Parking space for vehicles will be provided for loading and	Unit has provided wide two-way RCC roads for managment
	, ,	, ,
	unloading products. Adequate roads to cater to two way traffic and	of traffic. Proper parking space will be provided for loading
<u> </u>	to meet the fire regulations are planned in the complex.	and unloading products.
L.	Social Welfare measures for Future Planning	
		Complied
1	Providing materials and monetary aid to schools, primary health	
	centers, hospitals, sports, clubs and places of worship.	CER & CSR activity has been done by the unit.

Directorate Indastrial Safety & Health

Directorate Industrial Antety & Health

Licehor Work a factory

Registration No 1540/2412726hse to work a factory License No. 41555 FIN. S06041555A

D.A. 01-Feb-2020

License is hereby granted to

Mr. Ajay Kumar Gupta

For the premises known as

Aarti Industries Ltd.

situated at

Plot No- Z/103/C SEZ Part-II Dahoj

Ta: Vagra Dist Bharuch

for use as a factory within the limits specified in the plan approved by the

Director Industrial Safety & Health, Gujarat State

vide No. 227 Date 31-Jan-2020 subject to provisions of the

Factories Act, 1948 and the Rules made thereunder

The license is issued for

Maximum Number of workers to be employed on any day during the Year :"1,000" Maximum installed power in B H P on any day during the year **5,000**

The license is valid up to 31st December 2024.

Fees paid Rs. 63,000.00

Fees due Rs. 63,000.00

Excess Rs. 0.00

Bharuch

06-Nov-2023



Signature valid

SERVICE THE PARTY OF THE PARTY

Deputy Director Industrial Safety and Health

Bharuch





MoEF&CC (GOI) Recognized Environmental (QC) NABEFACCIONATE BA & CW Laboratory under the SPA-1985 (3) 00:0023 to 27:09:2024 Consultant Organization Laboratory under the SPA-1988 (3) 00,0023 to 22,09,2024)

GPC8 Recognized Shakonmental Auditor (Schedule-II)

ISO 9001:2015 Certified Company (\$0, 45001:2016 Certified Company

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/04/AIL-2/N-001	Date of Report:	05/05/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 20/04/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION				
			Noise Level	dB(A)		
Sr. No.	Location	Day Time	Night Time	Permissible	Permissible Limit CPCB	
		Day Time	Night Time	Day Time	Night Time	
1.	Near ETP Area	65.5	51.8	75 dB (A)	70 dB (A)	
2.	New D.G. Set	72.5	55.2	75 dB (A)	70 dB (A)	
3.	Near Main Gate	65.1	52.3	75 dB (A)	70 dB (A)	
4.	Near DCA Plant	111 a 10 67.2 Cal Cl	54.2	75 dB (A)	70 dB (A)	
5.	Near Material Gate	66.6	53.4	75 dB (A)	70 dB (A)	

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Catagony of Auga /Zaua	Limit in dB (A) Leq			
Area Code	Category of Area/Zone	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)		
(A)	Industrial area	75	70		
(B)	Commercial area	65	55		
(C)	Residential area	55	45		
(D)	Silence Zone	50	40		

***** End of Report ******

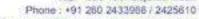
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21 Note: This report is subject to Terms and Conditions mentioned overleaf.





MoEF&CC (GOI) Recognized Environmental (QC) NABEFACCIONATE BA & CW Laboratory under the SPA-1985 (3) 00:0023 to 27:09:2024 Consultant Organization Laboratory under the SPA-1988 (3) 00,0023 to 22,09,2024)

GPC8 Recognized Shakonmental Auditor (Schedule-II)

ISO 9001:2015 Certified Company (\$0, 45001:2016 Certified Company

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/05/AIL-2/N-001	Date of Report:	07/06/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II,		
Location of Sampling / Monitoring:	Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat. Ambient Noise		
Sampling Method	IS: 9989 : 1981		

Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 31/05/2023

DISCIPLII	NE – CHEMICAL TESTING	NAME OF GROUP -	ATMOSPHERIC POLL	JTION	
Sr. No. Location			dB(A)		
	Location	Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	66.2	49.5	75 dB (A)	70 dB (A)
2.	New D.G. Set	71.9	56.1	75 dB (A)	70 dB (A)
3.	Near Main Gate	64.3	53.6	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.1	52.4	75 dB (A)	70 dB (A)
5.	Near Material Gate	65.2	54.3	75 dB (A)	70 dB (A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Avec Code	Category of Area/Zone	Limit in dB (A) Leq				
Area Code		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)			
(A)	Industrial area	75	70			
(B)	Commercial area	65	55			
(C)	Residential area	55	45			
(D)	Silence Zone	50	40			

***** End of Report ******

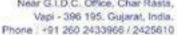
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21 Note: This report is subject to Terms and Conditions mentioned overleaf.





MoERS.CC. (COI) Recognized Environmental QCHASET Accredited BA & GW Laboratory under the EPA-1988 (31.03.2023 to 22.09.2024) Consultant Organization

GPC8 Recognited Environmental Auditor (Schedule-II)

ISO: 9001: 2015 Cellfed Company

80 45001:2018 Certified Company

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/06/AIL-2/N-001	Date of Report:	07/07/2023
Name & Address of Industries	M/s Aarti Industries Ltd (Unit-2). Plot No. Z/103/C, Dahej SEZ Part-II, Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.		
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 20/06/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION				
Sr. No. Location			Noise Level	Noise Level dB(A)		
	Location	Day Time	Night Times	Permissible Limit CPCB		
			Night Time	Day Time	Night Time	
1.	Near ETP Area	67.8	52.5	75 dB (A)	70 dB (A)	
2.	New D.G. Set	72.5	54.5	75 dB (A)	70 dB (A)	
3.	Near Main Gate	73.4	54.2	75 dB (A)	70 dB (A)	
4.	Near DCA Plant	67.3	Laus 1 _{55.6} Ltu.	75 dB (A)	70 dB (A)	
5.	Near Material Gate	66.2	53.8	75 dB (A)	70 dB (A)	

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq				
Area Code		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)			
(A)	Industrial area	75	70			
(B)	Commercial area	65	55			
(C)	Residential area	55	45			
(D)	Silence Zone	50	40			

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21 Note: This report is subject to Terms and Conditions mentioned overleaf.



McEF&CC (GOI) Recognized Environmental QC:+IARET Accepted EA & UW Leboraron under the EPA 1986 (31 03:2028 to 22.09:2024) Consultant Organization

GPCS Recognized Environmental Auditor (Schedule-II)

ISO: 9001 : 2015 Certiled Complany

(S/D ... 4500F ... 2018 Certified Company

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/07/AIL-2/N-001	Date of Report:	05/08/2023
	M/s Aarti Industries Ltd (Unit-2).		
Name & Address of Industries	Plot No. Z/103/C, Dahej SEZ Part-II,		
Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 24/07/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP -	NAME OF GROUP – ATMOSPHERIC POLLUTION				
			Noise Level dB(A)				
Sr. No.	Location	Day Time	Night Time	Permissible Limit CPCB			
		Day Time	Night Time	Day Time	Night Time		
1.	Near ETP Area	68.5	51.6	75 dB (A)	70 dB (A)		
2.	New D.G. Set	73.2	53.2	75 dB (A)	70 dB (A)		
3.	Near Main Gate	67.5	55.4	75 dB (A)	70 dB (A)		
4.	Near DCA Plant	68.2	56.2	75 dB (A)	70 dB (A)		
5.	Near Material Gate	67.1	55.1	75 dB (A)	70 dB (A)		

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Avec Code	Category of Area/Zone	Limit in dB (A) Leq			
Area Code		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)		
(A)	Industrial area	75	70		
(B)	Commercial area	65	55		
(C)	Residential area	55	45		
(D)	Silence Zone	50	40		

***** End of Report ******

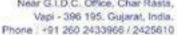
Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21 **Note:** This report is subject to Terms and Conditions mentioned overleaf.





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GPC8 Recognited Environmental Auditor (Schedule-II)

ISO: 9001: 2015 Cellfed Company

80 45001:2018 Certified Company

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/08/AIL-2/N-001	Date of Report:	05/09/2023	
	M/s Aarti Industries Ltd (Unit-2 Diamond).			
Name & Address of Industries	Plot No. Z/103/C, Dahej SEZ Part-II,			
	Tal. Vagra, Dist. Bharuch, Dahej-392130, Gujarat.			
Location of Sampling / Monitoring:	Ambient Noise			
Sampling Method	IS: 9989 : 1981			

Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 22/08/2023

DISCIPLINE – CHEMICAL TESTING		NAME OF GROUP – ATMOSPHERIC POLLUTION			
Sr. No.	Location	Noise Level dB(A)			
		Day Time	Night Time	Permissible Limit CPCB	
				Day Time	Night Time
1.	Near ETP Area	63.9	53.4	75 dB (A)	70 dB (A)
2.	New D.G. Set	71.6	55.2	75 dB (A)	70 dB (A)
3.	Near Main Gate	72.5	53.1	75 dB (A)	70 dB (A)
4.	Near DCA Plant	68.1	Laus 1 _{66.3} Llu.	75 dB (A)	70 dB (A)
5.	Near Material Gate	67.2	54.5	75 dB (A)	70 dB (A)

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Category of Area/Zone	Limit in dB (A) Leq		
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)	
(A)	Industrial area	75	70	
(B)	Commercial area	65	55	
(C)	Residential area	55	45	
(D)	Silence Zone	50	40	

***** End of Report ******

Checked By:

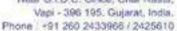
Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21

Note: This report is subject to Terms and Conditions mentioned overleaf.



Email: response@uerl.in Website: www.uerl.in



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GPC8 Recognited Environmental Auditor (Schedule-II)

ISO: 9001: 2015 Cellfed Company

80 45001:2018 Certified Company

TEST REPORT AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No.:	UERL/23/09/AIL-2/N-001	Date of Report:	05/10/2023
	M/s Aarti Industries Ltd (Unit-2 D	iamond).	
Name & Address of Industries	Plot No. Z/103/C, Dahej SEZ Part-II	,	
	Tal. Vagra, Dist. Bharuch, Dahej-39	92130, Gujarat.	
Location of Sampling / Monitoring:	Ambient Noise		
Sampling Method	IS: 9989 : 1981		

Details of Instrument Used for Monitoring.

Instrument Id No.	Instrument Name	Model Number	Calibration Date	Next Calibration Date
UERL/AIR/SLM/Q630838	Sound Level Meter	SL 4023 SD	03/02/2023	02/02/2024

Date of Monitoring: 21/09/2023

DISCIPLI	NE – CHEMICAL TESTING	NAME OF GROUP – ATMOSPHERIC POLLUTION					
			Noise Level	dB(A)			
Sr. No.	Location	Day Time	Night Time	Permissible	e Limit CPCB		
		Day Time	Night Time	Day Time	Night Time		
1.	Near ETP Area	65.2	52.3	75 dB (A)	70 dB (A)		
2.	New D.G. Set	69.2	54.2	75 dB (A)	70 dB (A)		
3.	Near Main Gate	70.5	55.4	75 dB (A)	70 dB (A)		
4.	Near DCA Plant	67.2	62.4	75 dB (A)	70 dB (A)		
5.	Near Material Gate	66.5	51.5	75 dB (A)	70 dB (A)		

Note: Ambient Air Quality Standards in respected of Noise as per CPCB.

Area Code	Catagory of Avec /7one	Limit in	dB (A) Leq
Area Code	Category of Area/Zone	Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

***** End of Report ******

Checked By:

Nikunj D. Patel (Chemist)

Authorized By:

Jaivik S. Tandel (Manager - Operations)

Page | 21 Note: This report is subject to Terms and Conditions mentioned overleaf. UERL/AIR/F-18/03



Certificate

Certificate No.: 1200004040

To Whomsoever it may concern

This is to certify that

AARTI INDUSTRIES LIMITED

PLOT NO. Z/103/C GIDC ESTATE DAHEJ SEZ-II TAL: VAGRA

BHARUCH is a valid member of

SAURASHTRA ENVIRO PROJECTS PVT. LTD.

for

Integrated Common Incineration Facility

This membership is valid for a period of 5 Years

Date of Issue

Place of Issue

: 17.09.2020

For, Saurashtra Enviro Projects Pvt. Ltd.

Date of Expiration: 16.09.2025

: Surat

Director

SUBJECT TO SURAT JURISDICTION



BEIL INFRASTRUCTURE LIMITED

(Formely Known As Bharuch Enviro Infrastructure Limited)

04th SEPTEMBER, 2020

To,

AARTI INDUSTRIES LTD. (DAHEJ UNIT II)

PLOT NO.Z/103/C,

DAHEJ SEZ II,

TA-VAGRA, DIST-BHARUCH.

Sub: Membership Certificate for Common Incineration Facility

Dear Sir,

You are a member of our Common Incinerator Facility and your membership No. is **CI/BD/97**. We hereby certify that your booked quantity has increased from **10 MT/Year** to **60 MT/Year**.

Thanking you,

Yours faithfully,

For, BEIL Infrastructure Limited (Formerly Known as Bharuch Enviro Infrastructure Ltd)

AUTHODISED STONATORY

CIN No.: U45300GJ1997PLC032696

Regd. Office: Plot No. 9701-16 GIDC Estate, Post Box No. 82, Ankleshwar 393 002, Dist.: Bharuch (Gujarat)

Phones (02646) 253135, 225228 • Fax : (02646) 222849 • E-mail : dalwadibd@beil.co.in



BEIL INFRASTRUCTURE LIMITED

(Formely Known As Bharuch Enviro Infrastructure Limited)

REF: BEIL/ANK/2022

12th JULY, 2022

To,
AARTI INDUSTRIES LTD. (DIAMOND DIVISION - 58381)
PLOT NO. Z/103/C,
DAHEJ SEZ IÎ,
TA-VAGRA, DIST-BHARUCH,
DAHEJ.

Sub: Membership Certificate for Common Solid Waste Disposal Facility

Dear Sir,

We hereby certify that you have become member of the common Solid/Hazardous Waste Disposal Facility developed by For, BEIL INFRASTRUCTURE LIMITED (Formerly Known as Bharuch Enviro Infrastructure Ltd)., at GIDC, DAHEJ. You have booked solid waste quantity 1500 MT/ Year (Original Booked Quantity 100 MT + Increased Quantity 1400 MT). Your Membership No. is OTH/841.

1) Total TSDF Capacity of BEIL Dahej: 1900000 MT

2) Total Consented Capacity: 1900000 MT.
3) Total Occupied Capacity: 887848.468 MT

4) Spare Capacity: 1012151.532 MT

Thanking you,

Yours faithfully,

For, BEIL Infrastructure Limited (Formerly Known as Bharuch Enviro Infrastructure Ltd)

AUTHORISE SIGNATORY

CIN No.: U45300GJ1997PLC032696



Certificate

To whomsoever it may concern This is to certify that



Certificate No: 4100009271

AARTI INDUSTRIES LTD UNIT 2

PLOT NO Z/103/C
DAHEJ SEZ II, LAKHIGAM. TAL-VAGRA BHARUCH
DAHEJ
Gujarat

is a valid member of

Recycling Solutions Private Limited Unit-II

for Alternate Fuel Resource Facility.

This membership is valid for a period of 10 Years

Date of issue : 02.06.2020 Date of expiration : 01.06.2030

Place of issue : SURAT

For, Recycling Solutions Private Limited Unit-II

Director/Authorised signatory

Waste Information

SrNo	Type Of Waste	Sign Qty(TPA)	 Type Of Waste	Sign Qty(TPA)
	DISTILLATION RESIDUE. 4,200.00			0.000
			Total Sign Qty (TPA)	4,200.000

SUBJECT TO JURISDICTION



Date: 14.07.2023

To, The Deputy Director, Industrial Safety and Health, 2nd Floor, Near Gayatri Nagar, Kanbivaga, Bahumali Building, Bharuch 392001.

Subject: Submission of documents as discussed during the meeting.

Respected Sir,

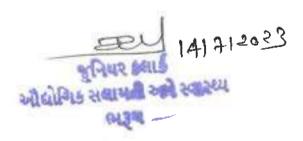
This is with reference to the discussion held on 01/07/2023 at Bharuch, Please find following documents as advised.

Sr. No.	Particulars	Status
1	Pressure Vessel testing of all vessels as per RULE61 of GFR 1963.	Total No.of Pressure Vessels : 46 Nos. Testing Completed: 46 Nos. Annexure A: Summary of Pressure Vessels
2	Third Party Safety Audit Report as per IS 14489:2018, Its Recommendations & Compliance.	A Third Party Safety audit was conducted on Sep. 22 and compliance report is attached as an Annexure B. Refer Annexure B. Compliance Report
3	Updated Onsite Emergency Plan	The Updated Onsite Emergency Plan is attached as on June-2023 Annexure C: On site Emergency Plan
4	Workplace area monitoring report , Form No-37	The workplace monitoring is being carried out on a weekly basis at key identified focations Annexure D: Workplace area monitoring record,
5	Medical Examination report as per targeted organs	Medical Examination is being conducted periodically. The list of tests are attached for your reference, Sample report is attached Annexure E1: Medical test Annexure E2: Sample PME Report. Annexure E3: CIH certificate of FMO.
6	Fire adequacy Study & Report	1. The Provisional Fire NOC was obtained from Bharuch Nagarpalika in Dec. 2019 attached as annexure F1. 2. Compliance Report as per GFR 1963 Rule 66A. 3. PO Copy of Fire Adequacy study is attached and work will be completed before 30.09.2023. PO NO: 4580511363 and 4580511622 Annexure F1: Fire NOC Annexure F2: Compliance report of Rule 66 A Annexure F3: PO copy for Fire Adequacy Study.
7	DISH circular compliance	The compliance to DISH circular is attached herewith. Annexure G1:Compliance report as per DISH circular Annexure G2:CO2 flooding system installation certificate

Thanking You,

For, Aarti Industries Limited,

Sandip Parekh (Authorized Signatory)





SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
1	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/01	OUT SIDE	974	ОК
2	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/02	OUT SIDE	6111	OK
3	ABC	09 KG	SECURITY BUILDING - 01	SEC-01/03	OUT SIDE	6135	OK
4	ABC	09 KG	OHC	OHC/04	OUT SIDE	1091	OK
5	ABC	09 KG	MCC BUILDING - G/F	MCC/GF/05	CABLE ROOM	6104	OK
6	ABC	09 KG	MCC BUILDING - G/F	MCC/GF/06	CABLE ROOM	6208	OK
7	ABC	09 KG	MCC BUILDING - F/F	MCC/FF/07	PENAL ROOM	2023	OK
8	ABC	09 KG	MCC BUILDING - F/F	MCC/FF/08	PENAL ROOM	6196	OK
9	ABC	09 KG	MCC BUILDING - S/F	MCC/SF/09	PENAL ROOM	6144	OK
10	ABC	09 KG	MCC BUILDING - S/F	MCC/SF/10	PENAL ROOM	6177	OK
11	ABC	09 KG	MCC BUILDING - T/F	MCC/TF/11	QC R & D LAB	6103	OK
12	ABC	09 KG	DCA PLANT	DCA/GF/12	GROUND FLOOR	00975	OK
13	ABC	09 KG	DCA PLANT	DCA/GF/13	GROUND FLOOR	2043	OK
14	ABC	09 KG	DCA PLANT	DCA/FF/14	FIRST FLOOR	00975	OK
15	ABC	09 KG	DCA PLANT	DCA/FF/15	FIRST FLOOR	6187	OK
16	ABC	09 KG	DCA PLANT	DCA/SF/16	SECOND FLOOR	01084	OK
17	ABC	09 KG	DCA PLANT	DCA/SF/17	SECOND FLOOR	5330	OK
18	ABC	09 KG	DCA PLANT	DCA/TF/18	THIRD FLOOR	6123	OK
19	ABC	09 KG	DCA PLANT	DCA/TF/19	THIRD FLOOR	N/A	OK
20	ABC	09 KG	DCA PLANT	DCA/4TH/20	FORTH FLOOR	1087	OK
21	ABC	09 KG	DCA PLANT	DCA/4TH/21	FORTH FLOOR	06154	OK
22	ABC	09 KG	DCA PLANT	DCA/5TH/22	FIFTH FLOOR	2019	OK
23	ABC	09 KG	DCA PLANT	DCA/5TH/23	FIFTH FLOOR	2032	OK
24	ABC	09 KG	DCA PLANT	DCA/6TH/24	SIXTH FLOOR	06117	OK
25	ABC	09 KG	METHANOL TANK	METH.TANK/25	METHANOL TANK	06166	OK
26	ABC	09 KG	METHANOL TANK	METH.TANK/26	METHANOL TANK	6116	OK
27	ABC	09 KG	ETP C/R	ETP/CR/GF/27	RM STORE OUTSIDE	2028	OK



SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
28	ABC	09 KG	ETP C/R	ETP/CR/SF/28	SECOND FLOOR	2025	ОК
29	ABC	09 KG	ETP - 2	ETP-02/GF/29	GROUND FLOOR	1083	OK
30	ABC	09 KG	ETP - 2	ETP-02/GF/30	GROUND FLOOR	01085	OK
31	ABC	06 KG	ETP - 2	ETP-02/FF/31	FIRST FLOOR	8870	OK
32	ABC	09 KG	DCP PLANT	DCP/GF/32	GROUND FLOOR	06147	OK
33	ABC	09 KG	DCP PLANT	DCP/GF/33	GROUND FLOOR	06127	OK
34	ABC	09 KG	DCP PLANT	DCP/GF/34	GROUND FLOOR	06160	OK
35	ABC	09 KG	DCP PLANT	DCP/GF/35	GROUND FLOOR	06181	OK
36	ABC	09 KG	DCP PLANT	DCP/GF/36	GROUND FLOOR	N/A	OK
37	ABC	09 KG	DCP PLANT	DCP/GF/37	GROUND FLOOR	06114	OK
38	ABC	09 KG	DCP PLANT	DCP/FF/38	FIRST FLOOR	06108	OK
39	ABC	09 KG	DCP PLANT	DCP/FF/39	FIRST FLOOR	06105	OK
40	ABC	09 KG	DCP PLANT	DCP/FF/40	FIRST FLOOR	2033	OK
41	ABC	09 KG	DCP PLANT	DCP/FF/41	FIRST FLOOR	6137	OK
42	ABC	09 KG	DCP PLANT	DCP/FF/42	FIRST FLOOR	42	OK
43	ABC	09 KG	DCP PLANT	DCP/FF/43	FIRST FLOOR	N/A	OK
44	ABC	09 KG	DCP PLANT	DCP/SF/44	SECOND FLOOR	06139	OK
45	ABC	09 KG	DCP PLANT	DCP/SF/45	SECOND FLOOR	06179	OK
46	ABC	09 KG	DCP PLANT	DCP/SF/46	SECOND FLOOR	06161	OK
47	ABC	09 KG	DCP PLANT	DCP/SF/47	SECOND FLOOR	06230	OK
48	ABC	09 KG	DCP PLANT	DCP/SF/48	SECOND FLOOR	06157	OK
49	ABC	09 KG	DCP PLANT	DCP/SF/49	SECOND FLOOR	06182	OK
50	ABC	09 KG	DCP PLANT	DCP/TF/50	THIRD FLOOR	06131	OK
51	ABC	09 KG	DCP PLANT	DCP/TF/51	THIRD FLOOR	6142	OK
52	ABC	09 KG	DCP PLANT	DCP/TF/52	THIRD FLOOR	N/A	OK
53	ABC	09 KG	DCP PLANT	DCP/TF/53	THIRD FLOOR	06126	OK
54	ABC	09 KG	DCP PLANT	DCP/TF/54	THIRD FLOOR	06214	OK



SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
55	ABC	09 KG	DCP PLANT	DCP/TF/55	THIRD FLOOR	06124	ОК
56	ABC	06 KG	SAC PLANT	SAC/GF/56	GROUND FLOOR	06165	OK
57	ABC	09 KG	SAC PLANT	SAC/GF/57	GROUND FLOOR	00973	OK
58	ABC	09 KG	SAC PLANT	SAC/FF/58	FIRST FLOOR		OK
59	ABC	09 KG	SAC PLANT	SAC/FF/59	FIRST FLOOR	6178	OK
60	ABC	09 KG	SAC PLANT	SAC/SF/60	SECOND FLOOR	968	OK
61	ABC	09 KG	SAC PLANT	SAC/SF/61	SECOND FLOOR	6216	OK
62	ABC	09 KG	SAC PLANT	SAC/TF/62	THIRD FLOOR	06197	OK
63	ABC	09 KG	SAC PLANT	SAC/TF/63	THIRD FLOOR	06134	OK
64	ABC	09 KG	SAC PLANT	SAC/4TH/64	FOURTH FLOOR	06109	OK
65	ABC	09 KG	SAC PLANT	SAC/4TH/65	FOURTH FLOOR	00970	OK
66	ABC	09 KG	CR PLANT	CR/GF/66	GROUND FLOOR	06211	OK
67	ABC	09 KG	CR PLANT	CR/GF/67	GROUND FLOOR	06199	OK
68	ABC	09 KG	CR PLANT	CR/GF/68	GROUND FLOOR	06120	OK
69	ABC	09 KG	CR PLANT	CR/FF/70	FIRST FLOOR	06194	OK
70	ABC	09 KG	CR PLANT	CR/FF/71	FIRST FLOOR	06195	OK
71	ABC	09 KG	CR PLANT	CR/SF/72	SECOND FLOOR	06170	OK
72	ABC	09 KG	CR PLANT	CR/SF/73	SECOND FLOOR	06112	OK
73	ABC	09 KG	TANK FARM -02	T.FARM-02/74	WEST SIDE	06694	OK
74	ABC	09 KG	TANK FARM -02	T.FARM-02/75	WEST SIDE	06121	OK
75	ABC	09 KG	TANK FARM -02	T.FARM-02/76	NORTH SIDE	06158	OK
76	ABC	09 KG	SECURITY BUILDING-02	SEC.02/80	OUT SIDE	6225	OK
77	ABC	09 KG	SECURITY BUILDING-02	SEC.02/81	OUT SIDE	6110	OK
78	ABC	09 KG	SECURITY BUILDING-02	SEC.02/82	OUT SIDE	6226	OK
79	ABC	09 KG	ISO MCC	ISO.MCC/83	PANEL ROOM	02040	OK
80	ABC	09 KG	TANK FARM - 01	T.FARM-01/90	SOUTH SIDE	06171	OK
81	ABC	09 KG	TANK FARM - 01	T.FARM-01/91	SOUTH SIDE	06148	OK



SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
82	ABC	09 KG	TANK FARM - 01	T.FARM-01/92	SOUTH SIDE	06102	ОК
83	ABC	09 KG	TANK FARM - 01	T.FARM-01/93	SOUTH SIDE	01089	OK
84	ABC	09 KG	TANK FARM - 01	T.FARM-01/94	WEST SIDE	06115	OK
85	ABC	09 KG	TANK FARM - 01	T.FARM-01/95	WEST SIDE	06169	OK
86	ABC	09 KG	TANK FARM - 01	T.FARM-01/96	WEST SIDE	06150	OK
87	ABC	09 KG	TANK FARM - 01	T.FARM-01/97	NORTH SIDE	06228	OK
88	ABC	09 KG	TANK FARM - 01	T.FARM-01/98	NORTH SIDE	06113	OK
89	ABC	09 KG	TANK FARM - 01	T.FARM-01/99	NORTH SIDE	06132	OK
90	ABC	09 KG	TANK FARM - 01	T.FARM-01/100	NORTH SIDE	6175	OK
91	ABC	09 KG	TANK FARM - 01	T.FARM-01/101	EAST SIDE	06133	OK
92	ABC	09 KG	TANK FARM - 01	T.FARM-01/102	EAST SIDE	06140	OK
93	ABC	09 KG	NSA TANK FARM	NSA T.FARM/103	NORTH SIDE	06145	OK
94	ABC	09 KG	NSA TANK FARM	NSA T.FARM/104	NORTH SIDE	06172	OK
95	ABC	09 KG	SULFUR YARD	SULFUR YARD/105	SOUTH SIDE	06201	OK
96	ABC	09 KG	SULFUR YARD	SULFUR YARD/106	SOUTH SIDE	06188	OK
97	ABC	09 KG	NSA PLANT	NSA/GF/107	GROUND FLOOR	06156	OK
98	ABC	09 KG	NSA PLANT	NSA/GF/108	GROUND FLOOR	06198	OK
99	ABC	09 KG	NSA PLANT	NSA/GF/109	GROUND FLOOR	06159	OK
100	ABC	09 KG	NSA PLANT	NSA/GF/110	GROUND FLOOR	06232	OK
101	ABC	09 KG	NSA PLANT	NSA/GF/111	GROUND FLOOR	06209	OK
102	ABC	09 KG	NSA PLANT	NSA/FF/112	FIRST FLOOR	6163	OK
103	ABC	09 KG	NSA PLANT	NSA/FF/113	FIRST FLOOR	06118	OK
104	ABC	09 KG	NSA PLANT	NSA/FF/114	FIRST FLOOR	06128	OK
105	ABC	09 KG	NSA PLANT	NSA/FF/115	FIRST FLOOR	06107	OK
106	ABC	09 KG	ETP - 01	ETP-01/GF/116	GROUND FLOOR	INVISIBLE	OK
107	ABC	09 KG	PHENOL BUILDING	ETP/PHE/GF/120	GROUND FLOOR	INVISIBLE	OK
108	ABC	09 KG	PHENOL BUILDING	ETP/PHE/FF/121	FIRST FLOOR	INVISIBLE	OK



SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
109	ABC	09 KG	PHENOL BUILDING	ETP/PHE/SF/122	SECOND FLOOR	INVISIBLE	ОК
110	ABC	09 KG	HT ROOM	HT ROOM/GF/123	GROUND FLOOR	06207	OK
111	ABC	09 KG	HT ROOM	HT ROOM/GF/124	GROUND FLOOR	06223	OK
112	ABC	09 KG	HT ROOM	HT ROOM/FF/125	FIRST FLOOR	06152	OK
113	ABC	09 KG	HT ROOM	HT ROOM/FF/126	FIRST FLOOR	06206	OK
114	ABC	75 KG	MCC.DG AREA	MCC.DG/GF/127	OUTSIDE	00101	OK
115	ABC	75 KG	MCC.TRANS AREA	MCC.TR/GF/128	OUTSIDE	00102	OK
116	ABC	09 KG	MCC BUILDING	MCC TERRACE/129	TERRACE AREA	06166	OK
117	CLEAN AGENT	04 KG	CATALYST ROOM	CATALYST ROOM-132	GROUND FLOOR	00378	OK
118	CLEAN AGENT	04 KG	CATALYST ROOM	CATALYST ROOM-133	GROUND FLOOR	00380	OK
119	ABC	09 KG	COOLING TOWER	COOLING TOWER/134	GROUND FLOOR	06151	OK
120	ABC	09 KG	COOLING TOWER	COOLING TOWER/135	GROUND FLOOR	INVISIBLE	OK
121	ABC	09 KG	MCC BUILDING - T/F	GC/LAB/136	THIRD FLOOR	06155	OK
122	ABC	09 KG	MCC BUILDING - T/F	S.C. ROOM/LAB/137	THIRD FLOOR	06222	OK
123	ABC	09 KG	MCC BUILDING - T/F	WASHING AREA LAB/138	THIRD FLOOR	06153	OK
124	ABC	09 KG	MCC BUILDING - T/F	WET LAB/139	THIRD FLOOR	INVISIBLE	OK
125	ABC	09 KG	MCC BUILDING - T/F	WET LAB/140	THIRD FLOOR	06215	OK
126	ABC	09 KG	MCC BUILDING - T/F	MCC/GF/141	GROUND FLOOR	06167	OK
127	ABC	09 KG	MCC BUILDING - T/F	QC LAB/142	THIRD FLOOR	06191	OK
128	ABC	09 KG	MEE PLANT	MEE/GF/143	GROUND FLOOR	06219	OK
129	ABC	09 KG	MEE PLANT	MEE/GF/144	GROUND FLOOR	INVISIBLE	OK
130	ABC	09 KG	PHENOL BUILDING	ETP/PHE/GF/145	GROUND FLOOR	06212	OK
131	ABC	09 KG	MCC BUILDING	MCC TERRACE/146	TERRACE AREA	6180	OK
132	ABC	09 KG	INSTRUMENT WAREHOUSE	INST./WH/147	GROUND FLOOR	06231	ок
133	ABC	06 KG	SAC PLANT	SAC/GF/148	GROUND FLOOR	08887	ОК
134	ABC	06 KG	SAC PLANT	SAC/FF/149	FIRST FLOOR	36258	OK



SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
135	ABC	06 KG	SAC PLANT	SAC/SF/150	SECOND FLOOR	5331	ОК
136	ABC	09 KG	SAC PLANT	SAC/TF/151	THIRD FLOOR	1086	OK
137	ABC	06 KG	SAC PLANT	SAC/4TH/152	FORTH FLOOR	8878	OK
138	DCP	75 KG	FIRE TENDER	FT/153	LOCKER NO - 03	00009	OK
139	DCP	75 KG	FIRE TENDER	FT/154	LOCKER NO - 04	00011	OK
140	ABC	06 KG	DCP	DCP/GF/155	DCP/EAST SIDE	06184	OK
141	ABC	09 KG	ETP-1	ETP1/GF/158	GROUND FLOOR	6205	OK
142	ABC	09 KG	ADMIN	ADMIN/FF/159	SOUTH SIDE	2024	OK
143	ABC	09 KG	ADMIN	ADMIN/FF/160	SOUTH SIDE	2039	OK
144	ABC	09 KG	ADMIN	ADMIN/FF/161	SOUTH SIDE	2030	OK
145	ABC	09 KG	ADMIN	ADMIN/FF/162	NORTH SIDE	1092	OK
146	ABC	09 KG	ADMIN	ADMIN/FF/163	NORTH SIDE	2027	OK
147	ABC	09 KG	ADMIN	ADMIN/TERRACE/164	NORTH SIDE	2026	OK
148	ABC	09 KG	ADMIN	ADMIN/TERRACE/165	NORTH SIDE	2037	OK
149	ABC	09 KG	MCC BUILDING	MCC/LIFT/166	SOUTH SIDE	2029	OK
150	CLEAN AGENT	04 KG	ADMIN	ADMIN/SF/01	NORTH SIDE	00372	OK
151	CLEAN AGENT	04 KG	ADMIN	ADMIN/SF/02	SOUTH SIDE	00371	OK
152	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/03	SOUTH SIDE	00374	OK
153	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/04	SOUTH SIDE	00377	OK
154	CLEAN AGENT	04 KG	ADMIN	ADMIN/FF/05	SOUTH SIDE	00373	OK
155	ABC	06 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 172	IN SIDE	05330	ок
156	ABC	09 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 173	IN SIDE	07655	ок
157	ABC	06 KG	MATERIAL GATE	SECURITY BUILDING - 02 / 174	IN SIDE	36227	ок
158	ABC	06 KG	ADMIN	MECH.STORE/175	MECH.STORE	08884	OK



	2500-00017455						,
SR NO	TYPE	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG
159	ABC	06 KG	ADMIN	MECH.STORE/176	MECH.STORE	08885	ОК
160	ABC	06 KG	ADMIN	MECH.STORE/177	MECH.STORE	08875	OK
161	ABC	06 KG	ADMIN	MECH.STORE/178	MECH.STORE	8876	OK
162	ABC	06 KG	ADMIN	MECH.STORE/179	MECH.STORE	8873	OK
163	ABC	06 KG	ADMIN	MECH.STORE/180	MECH.STORE	8877	OK
164	ABC	06 KG	ADMIN	INST.W.S/181	INST.W.S	8872	OK
165	ABC	09 KG	NOM.M.W	NOM.M.W/182	ETP-01 BACK SIDE	6200	OK
166	ABC	09 KG	NEW T .W.SHOP	NTW.SHOP/183	NTW.SHOP	6144	OK
167	ABC	06 KG	JACCON.W.SHOP	JACCON.W.SHOP/184	JACCON.W.SHOP	8874	OK
168	ABC	06 KG	VISHAL . W. SHOP	VISHAL.W.SHOP/185	VISHAL.W.SHOP	8886	OK
169	ABC	09 KG	ETP - 02	ETP-02/SF/186	SECOND FLOOR	INVISIBLE	OK
170	NOVEC 1230		ADMIN - IT SERVAR ROOM	IT SARVAR ROOM / 187	SECOND FLOOR		
171	NOVEC 1230		ADMIN - IT SERVAR ROOM	IT SARVAR ROOM / 188	SECOND FLOOR		

SR. NO.	TYPE OF FIRE EXTINGUISHER	CAPACITY	PLANT	EXTINGUISHER NO	LOCATION	EXTINGUISHER SR NO	INSPECTION TAG	CYLINDER CONDITION (OK/NOT OK)
1	CO2	9 KG	HT ROOM	HT ROOM/GF/01	GROUND FLOOR	00984	YES	OK
2	CO2	9 KG	HT ROOM	HT ROOM/GF/02	GROUND FLOOR	00986	YES	OK
3	CO2	9 KG	HT ROOM	HT ROOM/FF/03	FIRST FLOOR	00335	YES	ОК
4	CO2	9 KG	HT ROOM	HT ROOM/FF/04	FIRST FLOOR	00333	YES	ОК
5	CO2	9 KG	MCC BUILDING	MCC.DG/GF/08	DG SET AREA	00338	YES	OK
6	CO2	9 kG	MCC BUILDING	MCC.DG/GF/09	DG SET AREA	00981	YES	OK
7	CO2	9 kG	MCC BUILDING	MCC.DG/GF/10	DG SET AREA	00340	YES	OK
8	CO2	9 KG	MCC BUILDING	MCC/GF/11	GROUND FLOOR CABLE CELLAR ROOM	00979	YES	OK
9	CO2	9 KG	MCC BUILDING	MCC/GF/12	GROUND FLOOR CABLE CELLAR ROOM	00977	YES	OK
10	CO2	9 KG	MCC BUILDING	MCC/FF/13	FIRST FLOOR PENAL ROOM	00978	YES	OK
11	CO2	9 KG	MCC BUILDING	MCC/FF/14	FIRST FLOOR PENAL ROOM	00983	YES	ОК
12	CO2	9 KG	MCC BUILDING	MCC/SF/15	SECOND FLOOR DCS ROOM	00987	YES	OK
13	CO2	9 KG	MCC BUILDING	MCC/SF/16	SECOND FLOOR UPS ROOM	00985	YES	OK
14	CO2	9 KG	MCC BUILDING	MCC/TF/17	THIRD FLOOR	00337	YES	OK
15	CO2	4.5 KG	METHANOL TANK	METH.TANK/18	NORTH SIDE	42514	YES	OK
16	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/19	GROUND FLOOR	11285	YES	OK
17	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/20	GROUND FLOOR	11287	YES	OK
18	CO2	4.5 KG	COLLING TOWER	COLLING TOWER/21	GROUND FLOOR	8770	YES	OK
19	CO2	4.5 KG	ETP C/R FIRST FLOOR	ETP.CR/FF/22	PENAL ROOM	42511	YES	OK
20	CO2	9 KG	ETP C/R FIRST FLOOR	ETP.CR/FF/23	PENAL ROOM	00336	YES	OK
21	CO2	4.5 KG	ETP C/R SECOND FLOOR	ETP.CR/SF/24	LAB	42513	YES	OK
22	CO2	9 KG	ISO MCC ROOM	ISO.MCC/25	IN SIDE ROOM	00976	YES	OK
23	CO2	9 KG	F.W.P.H	FWPH/26	IN SIDE FWPH	00980	YES	OK
24	CO2	9 KG	TANK FARM - 2	T.FARM-02/27	WEST SIDE	AIL-DIA-ND-01	YES	OK
25	CO2	9 KG	MCC BUILDING	TR/GF-02/28	WEST SIDE	00342/INVISIBLE	YES	OK
26	CO2	9 KG	ETP-01	ETP-01/GF/29	IN SIDE ETP-01	00339	YES	OK
27	CO2	4.5 KG	PHENOL BUILDING	PHENOL/GF/30	IN SIDE PHENOL PLANT	11281	YES	OK
28	CO2	4.5 KG	LAB	PANEL ROOM/31	IN SIDE LAB PANEL ROOM	11286	YES	OK
29	CO2	4.5 KG	LAB	LAB/PANTRY/33	PANTRY OUTSIDE	11277	YES	OK
30	CO2	4.5 KG	LAB	LAB/OFFICE/34	IN SIDE LAB OFFICE	11284	YES	OK
31	CO2	4.5 KG	LAB	LAB/HPLC/35	IN SIDE LAB	42510	YES	OK
32	CO2	4.5 KG	LAB	LAB/GC/36	IN SIDE LAB	11283	YES	OK
33	CO2	4.5 KG	LAB	LAB/R&D/37	IN SIDE LAB	11279	YES	OK
34	CO2	4.5 KG	LAB	LAB/WET/38	IN SIDE LAB	-	YES	OK
35	CO2	9 KG	COOLING TOWER	COOLING TOWER/39	GROUND FLOOR	00982	YES	OK
36	CO2	4.5 KG	MCC BUILDING	MCC.TERRACE/40	TERRACE AREA NEAR PENAL	10554	YES	OK
37	CO2	4.5 KG	CR	CR/GF/41	GROUND FLOOR	42509	YES	OK

38	CO2	4.5 KG	CR	CR/GF/42	GROUND FLOOR	42512	YES	OK
39	CO2	22.5 KG	FIRE TENDER	F/T	LOCKER NO - 03	26476	YES	OK
40	CO2	22.5 KG	FIRE TENDER	F/T	LOCKER NO - 04	26480	YES	OK
43	CO2	4.5 KG	F.W.P.H	FWPH/43	IN SIDE FWPH	42508	YES	OK
44	CO2	4.5 KG	DCP	DCP/GF/44	DCP/EAST SIDE	8770	YES	OK
45	CO2	4.5 KG	DCP	DCP/GF/45	DCP/EAST SIDE	8769	YES	OK
46	CO2	4.5 KG	ADMIN	ADM/FF/50	PANEL ROOM	31511	YES	OK
47	CO2	4.5 KG	ADMIN	ADM/FF/51	PANEL ROOM	25221	YES	OK
48	CO2	4.5 KG	ADMIN	ADM/SF/52	PANEL ROOM	11288	YES	OK
49	CO2	4.5 KG	ADMIN	ADM/SF/53	PANEL ROOM	25224	YES	OK
50	CO2	9 KG	ETP-01	ETP-01/GF/54	IN SIDE ETP-01	00341	YES	OK
51	CO2	4.5 KG	PARKING AREA	PARKING-55	IN SIDE PARKING MAIN GATE	25214	YES	OK
52	CO2	4.5 KG	PARKING AREA	PARKING-56	IN SIDE PARKING MAIN GATE	31509	YES	OK
53	CO2	4.5 KG	ISO MCC ROOM	ISO MCC ROOM/FF/57	IN SIDE PANEL ROOM	25220	YES	OK
54	CO2	4.5 KG	ISO MCC ROOM/	ISO MCC ROOM/FF/58	IN SIDE PANEL ROOM	25217	YES	OK
55	CO2	4.5 KG	FIRE STATION	FIRE STATION G/F 59	FIRE STATION G/F	25216	YES	OK
56	CO2	4.5 KG	ADMIN	INST.W.S/60	INST.W.S	31512	YES	OK
57	CO2	4.5 KG	DIAMOND	VW.SHOP/61	VISHAL WORKSHOP	25211	YES	OK
58	CO2	4.5 KG	FIRE STATION	FIRE.S/FF/62	FIRE STATION	25218	YES	OK
59	CO2	4.5 KG	DIAMOND	E&I CONT. W.S/63	WORKSHOP	31510	YES	OK
60	CO2	4.5 KG	ADMIN	ADM/64	TERRACE	25205	YES	OK
61	CO2	4.5 KG	QC LAB	HPLC / 65	IN SIDE LAB	31513	YES	ОК
62	CO2	4.5 KG	OHC PENAL	OHC PANEL / 66	PANEL ROOM	-	YES	ОК
65	CO2	4.5 KG	FWPH TERRACE AREA	FWPH / 69	FWPH SOLAR PENAL			
66	CO2	4.5 KG	FWPH TERRACE AREA	FWPH / 70	FWPH SOLAR PENAL			

SR NO	TYPE	CAPACITY	PLANT	LOCATION	EXTINGUISHER NO	EXTINGUISHER SR-NO	INSPECTION TAG	PRESSURE GAUGE (OK/NOT OK)	CYLINDER CONDITION (OK/NOT OK)
1	M.FOAM	9 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/01	00989	YES	OK	OK
2	M.FOAM	9 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/02	03990	YES	ОК	OK
3	M.FOAM	9 LITRE	DCA PLANT	FIRST FLOOR	DCA/FF/03	03644	YES	ОК	OK
4	M.FOAM	9 LITRE	DCA PLANT	FIRST FLOOR	DCA/FF/04	04011	YES	OK	OK
5	M.FOAM	9 LITRE	DCA PLANT	SECOND FLOOR	DCA/SF/05	04163	YES	ОК	ОК
6	M.FOAM	9 LITRE	DCA PLANT	SECOND FLOOR	DCA/SF/06	04001	YES	ОК	OK
7	M.FOAM	9 LITRE	DCA PLANT	THIRD FLOOR	DCA/TF/07	04024	YES	ОК	OK
8	M.FOAM	9 LITRE	DCA PLANT	THIRD FLOOR	DCA/TF/08	00993	YES	OK	ОК
9	M.FOAM	9 LITRE	DCA PLANT	FOURTH FLOOR	DCA/4TH-F/09	04029	YES	OK	OK
10	M.FOAM	9 LITRE	DCA PLANT	FOURTH FLOOR	DCA/4TH-F/10	04164	YES	OK	ОК
11	M.FOAM	9 LITRE	DCA PLANT	FIFTH FLOOR	DCA/5TH-F/11	04300	YES	OK	OK
12	M.FOAM	9 LITRE	DCA PLANT	FIFTH FLOOR	DCA/5TH-F/12	04003	YES	ОК	ОК
13	M.FOAM	9 LITRE	DCA PLANT	SIXTH FLOOR	DCA/6TH-F/13	04161	YES	ОК	OK
14	M.FOAM	9 LITRE	ETP - 02	GROUND FLOOR	ETP.02/GF/14	02231	YES	ОК	OK
15	M.FOAM	9 LITRE	ETP - 02	FIRST FLOOR	ETP.02/FF/15	00990	YES	ОК	OK
16	M.FOAM	9 LITRE	ETP - 02	SECOND FLOOR	ETP.02/SF/16	00991	YES	ОК	OK
17	M.FOAM	9 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/17	996	YES	ОК	OK
18	M.FOAM	9 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/18	4019	YES	ОК	OK
19	M.FOAM	9 LITRE	DCP PLANT	FIRST FLOOR	DCP/FF/19	04023	YES	ОК	ОК
20	M.FOAM	9 LITRE	DCP PLANT	FIRST FLOOR	DCP/FF/20	00988	YES	ОК	OK
21	M.FOAM	9 LITRE	DCP PLANT	SECOND FLOOR	DCP/SF/21	4294	YES	ОК	ОК
22	M.FOAM	9 LITRE	DCP PLANT	SECOND FLOOR	DCP/SF/22	4296	YES	ОК	OK
23	M.FOAM	9 LITRE	DCP PLANT	THIRD FLOOR	DCP/TF/23	04165	YES	OK	ОК
24	M.FOAM	9 LITRE	DCP PLANT	THIRD FLOOR	DCP/TF/24	03991	YES	ОК	ОК
25	M.FOAM	9 LITRE	INSTRUMENT SHEAD	GROUND FLOOR	INST/SHEAD/25	04293	YES	ок	ок
26	M.FOAM	60 LITRE	RM WAREHOUSE	GROUND FLOOR	RM/GF/26	Not Available	YES	ок	ок

27	M.FOAM	60 LITRE	HAZARDOUS WASTE	GROUND FLOOR	H.WASTE/27	Not Available	YES	ок	ок
28	M.FOAM	9 LITRE	CR PLANT	SECOND FLOOR	CR/SF/28	4295	OK	OK	OK
29	M.FOAM	9 LITRE	CR PLANT	SECOND FLOOR	CR/SF/29	4299	OK	OK	OK
30	M.FOAM	9 LITRE	CR PLANT	GROUND FLOOR	CR/GF/30	03998	OK	OK	OK
31	M.FOAM	9 LITRE	CR PLANT	GROUND FLOOR	CR/GF/31	4301	OK	OK	OK
32	M.FOAM	9 LITRE	F.W.P.H.	F.W.P.H.	F.W.P.H./32	4297	OK	OK	OK
33	M.FOAM	9 LITRE	NSA TANK FARM	NORTH SIDE	NSA/T.FARM/33	3993	OK	OK	OK
34	M.FOAM	9 LITRE	NSA TANK FARM	SOUTH SIDE	NSA/T.FARM/34	04007	OK	OK	OK
35	M.FOAM	09 LITRE	SULFUR YARD	SULFUR YARD	SULFUR YARD/35	03996	OK	OK	OK
36	M.FOAM	9 LITRE	SULFUR YARD	SULFUR YARD	SULFUR YARD/36	3992	OK	OK	OK
37	M.FOAM	9 LITRE	ETP - 01	GROUND FLOOR	ETP.01/GF/37	N/A	OK	OK	OK
38	M.FOAM	9 LITRE	PHENOL BUILDING	GROUND FLOOR	PHENOL/GF/41	04160	OK	ок	ок
39	M.FOAM	9 LITRE	PHENOL BUILDING	FIRST FLOOR	PHENOL/FF/42	02229	ок	ок	ок
40	M.FOAM	9 LITRE	PHENOL BUILDING	SECOND FLOOR	PHENOL/SF/43	4302	OK	ок	ок
41	M.FOAM	60 LITRE	METHANOL TANK	GROUND FLOOR	METH.TANK/44	Not Available	OK	ок	ок
42	M.FOAM	60 LITRE	TANK FARM -02	WEST SIDE	T.FARM-02/45	Not Available	OK	OK	OK
43	M.FOAM	60 LITRE	TANK FARM -02	NORTH SIDE	T.FARM-02/46	Not Available	OK	OK	OK
44	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/52	Not Available	OK	OK	OK
45	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/53	Not Available	OK	OK	OK
46	M.FOAM	60 LITRE	TANK FARM -01	SOUTH SIDE	T.FARM-01/54	Not Available	OK	OK	OK
47	M.FOAM	60 LITRE	TANK FARM -01	WEST SIDE	T.FARM-01/55	Not Available	OK	OK	OK
48	M.FOAM	60 LITRE	TANK FARM -01	NORTH SIDE	T.FARM-01/56	Not Available	OK	OK	OK
49	M.FOAM	60 LITRE	NSA PLANT	GROUND FLOOR	NSA/GF/60	Not Available	OK	OK	OK
50	M.FOAM	60 LITRE	NSA PLANT	GROUND FLOOR	NSA/GF/61	Not Available	OK	OK	OK
51	M.FOAM	09 LITRE	NSA PLANT	FIRST FLOOR	NSA/FF/62	04159	OK	OK	OK
52	M.FOAM	09 LITRE	NSA PLANT	FIRST FLOOR	NSA/FF/63	04002	OK	OK	OK
53	M.FOAM	09 LITRE	MCC BUILDING	TERRACE AREA	MCC.TERRACE/64	02230	YES	ОК	ОК
54	M.FOAM	09 LITRE	LAB	THIRD FLOOR	HPLC/LAB/65	00987	YES	ОК	OK

55	M.FOAM	09 LITRE	LAB	THIRD FLOOR	CHEM.STORE/66	04022	YES	OK	OK
56	M.FOAM	09 LITRE	LAB	THIRD FLOOR	CONTROL.SAMPLE ROOM/67	03986	YES	ок	ок
57	M.FOAM	09 LITRE	LAB	THIRD FLOOR	R&D/68	00982	YES	ок	OK
58	M.FOAM	09 LITRE	MCC BUILDING	THIRD FLOOR	QC/CYLINDER/69	02224	YES	OK	OK
59	M.FOAM	09 LITRE	MEE PLANT	GROUND FLOOR	MEE/GF/71	04162	OK	OK	ОК
60	M.FOAM	60 LITRE	NSA TANK FARM	GROUND FLOOR	NSA/T.F/72	Not Available	ОК	ок	ок
61	M.FOAM	60 LITRE	PHENOL BUILDING	GROUND FLOOR	PHENOL/GF/73	Not Available	ок	ок	ок
62	M.FOAM	60 LITRE	CR PLANT	GROUND FLOOR	CR/GF/74	Not Available	YES	OK	ОК
63	M.FOAM	60 LITRE	METHANOL RECOVERY TANK	GROUND FLOOR	METHANOL RECOVERY TANK/GF/75	Not Available	YES	ОК	ОК
64	M.FOAM	60 LITRE	DCA PLANT	GROUND FLOOR	DCA/GF/76	Not Available	YES	OK	OK
65	M.FOAM	60 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/77	Not Available	YES	OK	OK
66	M.FOAM	60 LITRE	DCP PLANT	GROUND FLOOR	DCP/GF/78	Not Available	YES	OK	OK
67	M.FOAM	60 LITRE	CR PUMP AREA	GROUND FLOOR	CR/GF/80	Not Available	YES	OK	OK
68	M.FOAM	60 LITRE	SULFUR YARD	WEST SIDE	SULFUR.Y /81	Not Available	OK	OK	OK
69	M.FOAM	06 LITRE	NEAR ISO T/F	OIL DRUM SHADE	OIL DRUM SHADE/82	00026	YES	OK	OK
70	M.FOAM	06 LITRE	NEAR ISO T/F	OIL DRUM SHADE	OIL DRUM SHADE/83	00040	YES	OK	OK

	Compliance of Risk Assessmer	nt Recommendations from EIA						
Sr. No.	Condition	Compliance						
A.	STORAGE DETAILS OF RAW MATERIALS							
i.	Recommendations for storage of Methanol							
1	Proper storage area shall be provided.	Complied, A separate area with well boundaries has been made for the storage of Methanol according to PESO guidelines.						
2	Eye wash station shall be provided	Complied. Unit has Provided Safety Sower within the storage yard boundary with easy access to that location.						
3	Chilling Water Circulation shall be provided.	Complied Chilling Water Circulation has been provided.						
4	PPEs shall be used	Complied All workmen use appropriate PPE during working time.						
5	Self-contained breathing apparatus shall be used	Complied. Adequate no. of SCBA available on site. SCBA training has been provided to all concerned workers and employees.						
6	PPEs like Splash goggles, Full suit, Vapor respirator or self contained breathing apparatus, Gloves etc., shall be used while handling this chemical	Complied All workers and Employees use appropriate tested PPEs at the time of chemical handling.						
В.	STORAGE AND HANDL	ING OF SOLID CHEMICALS						
i.	Handling Chemical Bags							
1	PPEs like suitable protective clothing, gloves, face shield, dust and splash proof safety goggles, chemically resistant safety shoes, etc. shall be used	Complied All workers and Employees are compulsorily using appropriate tested PPE during chemical handling time.						
2	Standard Approved respirator shall be used.	Complied. Standard approved dust respirators are used.						

		Complied.
3	Eyewash station and safety showers shall be made available	Plant wise ,Floor wise installed safety shower and eye wash station i.e Dyphoterine kits boxes.
	Don't was it is a ball to a win to the	Complied.
4	Dust monitoring shall be carried out periodically	Dust monitoring is being carried out monthly by a third party.
ii.	Cleaning of Chemical Spillage.	
1	Certified Dust respirator shall be used	Complied. ISI certified dust mask is provided to all workers and employees who are working at a dusty workplace. Form 37 (Workplace Monitoring)
		attached in Annexure 11.
		Complied.
2	PPEs shall be used.	All workmen use appropriate PPEs during working time.
	Chemicals will be stored in isolated storage	Complied.
3	rooms having provision for natural & forced ventilation.	Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.
		Complied.
4	Spillage shall be cleaned or neutralized with suitable media	Spillages will be cleaned/neutralized with suitable media when required.
		Complied.
5	Fire fighting facilities shall be made available near storage locations, if required	Near the storage yard, Portable fire extinguishers stand, Fire bucket stands, Fire Hydrant Systems, Fire Manual call points, Fire alarm etc has been provided.
	Additional Recommendations	
		Complied.
1	Operators/Workers to be trained for Safe Work Practices	Safety training is provided periodically for Safe Work Practices and job SOP is given to all employees.
		Complied.
2	Chemical handling bags & dusty area to be labeled properly for each chemicals.	Chemical bags and dusted areas are labeled properly for each chemical.

C.	STORAGE AND HANDI	LING OF SULPHURIC ACID
i.	Sulphuric Acid Loading & Unloading.	
1	Loading & Unloading activity shall be carried out in well ventilated area.	Complied. Loading & Unloading it is done in open area.
2	Neutralization media shall be made available in areas where acid is stored/handled/used.	Complied. Caustic available for neutralization where sulphuric acid is stored/handled/used.
3	PPEs will be used.	Complied. PPEs are used.
ii.	Working in Storage Area	
1	Storage area shall be well ventilated	Complied. Chemicals are stored in isolated storage rooms having provision for natural & forced ventilation.
2	Neutralization shall be done immediately with soda ash/lime or spill shall be absorbed in sand or by suitable adsorbent	Complied. Caustic is available for neutralization in case of spill
3	PPEs like face mask, gloves etc. shall be worn by concerned person	Complied. PPEs are compulsory to be worn by all employees during work and before issuing work permits.
4	Floors shall be made of acid proof tiles	Complied. Unit has provided acid proof tiles for the storage area.
iii.	Tank overflow/leakage from joints etc	
1	Same as Above.	Complied. Dyke walls have been provided to restrict overflow of chemicals from storage tanks in the tank farm area. Photograph of dyke wall attached is given in point No. 77 in EC Compliance report.
	Additional Recommendations	
1	Work Instruction for checking tank level to be prepared and followed.	Complied. Work Instructions for checking tank level have been prepared and followed.
D.	STORAGE AND H	ANDLING OF DRUMS

i	Drums Unloading from Truck by forklift.	
1	Truck shall be inspected properly before unloading the barrels.	Complied. Trucks are inspected properly before unloading the barrels.
2	Spill containment kit shall be made available to contain the leaking barrel.	Complied. Spill containment kit is available to contain the leaking barrels.
3	Hot work or source of ignition shall be avoided near the unloading area.	Complied Process plant and unloading area are restricted for doing hot work and kept away from all types of ignition sources.
4	Fire extinguishers to be kept available.	Complied. All floors of the plant are designed and provided with fire fighting equipment like fire extinguishers, hydrant post, hose reels, Hose boxes, fire MCP points, Fire alarm system etc.
5	Appropriate PPEs like Safety Goggles, Butyl or Nitrile rubber gloves, gumboot, plastic apron etc shall be used.	Complied. Unit has provided appropriate PPEs like Safety Goggles, Butyl or Nitrile rubber gloves, gumboot, plastic apron etc
	Additional Recommendations	
1	SOPs to be prepared and followed.	Complied. All SOPs are prepared and followed.
2	Foam type fire extinguisher to be provided in nearby location.	Complied. Mechanical Foam type fire extinguishers with trolley mounted has been provided near storage tank farms and the process plant.
3	Fire monitor with provision of connection of foam to be provided.	Complied. Fire monitor connected to a foam trolley has been provided near the storage tank farm and PESO tank area.
ii.	Transfer of chemicals from drums to plant/	reactor

	Classian of amount during	PPEs are used.
iv.	Cleaning of empty drums	
1	PPEs like face mask	Complied.
		PPEs like face mask are used.
E.		TIONS BASED ON CONSEQUENCE
		ALYSIS
	Recommendations	
		Complied.
1	alternate route is available from any corner in more than one direction	Plant consists of two main roads accordingly from two gates and are inter crossing with three roads across the plant.Inside of plant premises, two assembly points have been made One near Main gate security and Another is near COP area.
2	Extra precautions to be taken in unloading of flammable/toxic chemicals. The details of precautions during storage handling and transportation of chemicals have been given in separate paragraph.	Complied. During the unloading of the methanol PESO tank is blanketed with nitrogen and through a 3 way breathed valve its vent through a flame arrestor.
3	Firefighting arrangements shall be provided as per the guidelines of OISD	Complied. Fire fighting systems installed and designed in the plant as per the NFPA and OISD guideline.
L		0 "
4	Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. to be adopted for the safe operation of plant at appropriate stage.	Complied. Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. have been adopted for the safe operation of plant at appropriate stage.
	HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. to be adopted for the safe operation of plant at appropriate stage.	Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. have been adopted for the safe operation of
4 F.	HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. to be adopted for the safe operation of plant at appropriate stage. PROPOSED SAFETY/CONTROL N	Details on hazard identification i.e. HAZOP, HAZAN, Fault tree analysis, Event tree analysis, Checklist Audit, safety audit and their compliance, etc. have been adopted for the safe operation of plant at appropriate stage.

		Complied.
1	Training will be provided to driver and cleaner regarding the safe driving, hazards of Flammable chemicals, emergency handling, and use of SCBA sets.	All entry vehicles with driver and helper have to make temporary gate passes and within the procedure ,their health check up is done by OHC & training induction is given regarding the safe driving, hazardous chemical handling and how to handle an emergency situation.
		Complied.
2	TREM card & SCBA set will be kept with TL.	As per GPCB & our check list of transporting vehicles, It's mandatory to keep a TREM CARD. The driver is provided with SCBA when required.
		Complied.
3	Fire extinguishers will be kept with TL.	Portable fire extinguishers are compulsory to be kept in the truck or tanker carrying the hazardous chemicals
		Complied.
4	Flame arrestor will be provided to TL exhaust.	Flame arrestors have been kept at the main gate and are installed on the exhausts of all vehicles entering the company premises.
		Complied.
5	Instructions will be given not to stop the truck in populated area.	As per the TREM CARD instructions, It is strictly prohibited to stop the vehicle in a populated area.
		Complied.
6	Hazard Identification symbol and emergency telephone number will be displayed as per HAZCHEM CODE.	In the EIP panel, it is mandatory to put the Hazard identification symbol ,Hazchem code. In the TREM card, emergency telephone numbers to be contacted during the emergency situation are mentioned.
		Complied.
7	Appropriate PPEs will be kept with TL	Appropriate, tested and effective PPEs are mandatory to be kept available and are used.
	In case of leak or spill:	
		Complied.
1	Area & Container will be isolated.	In case of a leak or spill, the Operation team immediately takes action on it. Area of spillage is isolated from the work zone and containers are also kept separately.

operation & safety team fy the source of leakage leak or spill as per the
otective clothing is ged containers or spilled
thout risks if possible.
vay from any spilled
is immediately entering site and is not kept he main road.
License, TREM CARD, n; SCBA set condition, Es as per SOP laid down.
ed checks is done & after loading procedure is
d to TL at unloading
ollowed according to

3		Complied	
3	Only day time unloading will be permitted.	Only day time unloading is permitted.	
iii.	Chemical Storage Area safety.		
1	All storage areas shall be isolated from all sources of open flame and well posted with "Hazardous Chemical Storage", "No	Complied. All storage areas are isolated from all sources of open flame.	
	Smoking", "Hot work Restricted" signs.	Signs such as "Hazardous Chemical Storage", "No Smoking", "Hot work Restricted" are posted at all storage areas.	
		Complied.	
2	Spark-resistant tools will be used.	Spark-resistant tools such as spark arrestors and FLP equipment are used.	
		Complied.	
3	Pipes and equipment shall be inspected at regular intervals.	Pipes and equipment are inspected at regular intervals.	
4	Water spray shall be used to reduce vapors (by taking care that water is not directed straight away on leak, spill area or inside	Complied	
	container).	Water spray is used to reduce vapors.	
		Complied.	
5	Combustibles (wood, paper, oil, etc.) shall be kept away from spilled material.	Unit has ensured that combustibles (wood, paper, oil, etc.) are kept away from spilled material.	
		Complied	
6	MS or HDPE storage drums will be provided as per good engineering practices.	Unit has ensured that MS or HDPE storage drums are provided.	
7	Storage area will be provided with adequate fire fighting/extinguishing system, Fire hydrant monitor with foam attachment facility, etc.	Complied Storage area has been provided with adequate fire fighting/extinguishing system, fire hydrant monitor with foam attachment facility, etc.	
		Complied.	
8	Sand Buckets will be made available.	Sand Buckets are available.	

9		Complied.
	Workers and Operators handling such materials shall be trained for the hazards (fire/explosion, health, chemical reactivity, etc.) & safety measures associated with them.	Workers and Operators handling such materials are trained for the hazards (fire/explosion, health, chemical reactivity, etc.) & safety measures associated with them.
40		Complied.
10	Area shall be inspected on regular basis.	Area is inspected on regular basis.
		Complied
11	NFPA label (hazard identification) along with capacity of chemical will be displayed on respective drums.	NFPA label (hazard identification) along with capacity of chemical is displayed on respective drums
		Complied
12	Dumping /Drain vessel/alternate vessel will be provided to collect the spillage material. Spillage Kit shall be made available.	Dumping /Drain vessel/alternate vessel has been provided to collect the spillage material.
40		Complied.
13	FLP type pump & electric fittings will be provided, where applicable.	FLP type pump & electric fittings are provided.
		Complied
14	Earthing will be provided to related drums and process vessels, as per the requirement.	Earthing has been provided to related drums and process vessels.
	Double Jumper elip chall be provided to all	Complied.
15	solvent handling pipeline flanges, if applicable.	Double Jumper clips are provided to all solvent handling pipeline flanges, if applicable.
iv.	Chemical transfer from storage area to Pro-	cess Plant.
]	Double mechanical seal type FLD type nump	Complied.
	shall be provided.	Double mechanical seal type FLP type pump has
1		been provided.
1		been provided. Complied
2	Double on / off switch shall be provided, if needed. Flame arrestor shall be provided, wherever required.	
	needed. Flame arrestor shall be provided,	Complied Double on / off switch has been provided, when needed. Flame arrestor is provided, wherever
	applicable. Chemical transfer from storage area to Proposition Double mechanical seal type FLP type pump	Double Jumper clips are provided to all solvent handling pipeline flanges, if applicable. cess Plant. Complied. Double mechanical seal type FLP type pump has

		Complied.
4	· · · · ·	Double Jumper clip shall be provided to all solvent handling pipelines.



Agreement between of Baroda Heart Multispeciality Hospital, Bharuch & Aarti Industries Limited, Dahej (Zone III)

This agreement is between Baroda Heart Multispeciality Hospital, Bharuch and Aarti Industries Limited, Dahej (Zone III) on 1st September 2019.

Terms and condition of the agreement is as below:

- Hospital hereby undertakes to extend its services (OPD/IPD/emergency/medical & surgical treatment including Laboratory investigations & pharmacy expanses) on credit basis to the persons designated by Aarti Industries Limited, Dahej (Zone III)
- Prior to sending patient at hospital company personal will telephonically communicate with concern person of the hospital (Details are attached).
- Patient shall show ID card at the hospital provided by Aarti Industries Limited at the time of admission or consultation. Company HR department or Factory Medical Officer will communicate through mail for treatment on credit basis within 24 hours in case of admission.
- The company will make the payment within twenty five working days after the discharge of the patients. (Scan copy of the bill will be e-mailed to company immediately on discharge & Hard copy of the bill will be couriered at your plant)

Following are the authorized person to call in case of seeking medical services:

Aarti Industries Limited, Dahej (Zone III):

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industies.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas Gauray	Zone Safety Head	9099005387	vilas gaurav@aarti-industries.com
5	Mr. Atul Dave	Sr. Manager - Safety	9898997921	atul.dave@aarti-industries.com
- 6	Dr. Sanjay Hansoti	Factory Medical officer	9904706759	sanjay.hansoti@aarti-industries.com



Baroda Heart Hospital, Bharuch:

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Meet Shah	Business Development Officer	9727746344	mkt-bhmsh@bhirc.com
2	Mr. Alay Secretary	Unit Head	9727763817	unithead-bhmsh@bhirc.com
3	Ms. Mayuri Rana	Operation Manager	7405411258	Operations-bhmsh@bhirc.com

Secretur ame & Sign of authorized Signatory Name & Sign of authorized Signatory Baroda Heart Multispeciality Hospital, Bharuch Aarti Industries Limited Dahej

Date:

Place:



Agreement between of Sunshine Global Hospitals, Bharuch & Aarti Industries Limited, Dahej (Zone III)

This agreement is between Sunshine Global Hospitals, Bharuch and Aarti Industries Limited, Dahej (Zone III) on 1st September 2019.

Terms and condition of the agreement is as below:

- Hospital hereby undertakes to extend its services (OPD/IPD/emergency/medical & surgical treatment including Laboratory investigations & pharmacy expanses) on credit basis to the persons designated by Aarti Industries Limited, Dahej (Zone III).
- Prior to sending patient at hospital company personal will telephonically communicate with concern person of the hospital (Details are attached).
- Patient shall show ID card at the hospital provided by Aarti Industries Limited at the time of admission or consultation. Company HR department or Factory Medical Officer will communicate through mail for treatment on credit basis within 24 hours in case of admission.
- The company will make the payment within twenty five working days after the discharge of the patients. (Scan copy of the bill will be e-mailed to company immediately on discharge & Hard copy of the bill will be couriered at your plant)

Following are the authorized person to call in case of seeking medical services:

Aarti Industries Limited, Dahej (Zone III):

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Sandip Parekh	Division Head	9727720802	sandip.parekh@aarti-industies.com
2	Mr. Ramesh Chakrapani	Zone Project Head	7575007385	ramesh.chakrapani@aarti-industries.com
3	Mr. Alkesh Rana	Zone HR Head	8238088440	alkesh.rana@aarti-industries.com
4	Mr. Vilas Gaurav	Zone Safety Head	9099005387	vilas.gaurav@aarti-industries.com
- 5	Mr. Atul Dave	Sr. Manager - Safety	9898997921	atul.dave@aarti-industries.com
6	Dr. Sanjay Hansoti	Factory Medical officer	9904706759	sanjay.hansoti@aarti-industries.com



Sunshine Global Hospital, Bharuch:

Sr No	Name	Designation	Contact No	Email ID
1	Mr. Jayesh Gohil	Business Development	8980006817	marketing.bharuch@sunshine globalhospitals.com
2	Mr. Ravi Patel	Head Operation & Marketing	8758780000	ravi.patel@sunshineglobalhospitals.com

four cure	(Company
Name & Sign of authorized Signatory	Name & Sign of authorized Signatory
Aarti Industries Limited, Dahej	Sunshine Global Hospital, Bharuch

Date:

Place:



S R Healthcare Services

Medical Certificate of Fitness

Date: 10/04/2023

We hereby certify that we have carefully examined Mr. Manojkumar Kharva

Age 24Yrs/ Male and find that he is not suffering from any illness and is Fit to

continue duties in your organization. We also certify that before arriving at this

decision, we have examined all the original medical records of his.

Pre- employment Medical health Check-up

Sign of Consultant:

DR. DEYKUMAR VARMA

M.D. (PAVH), MBBS, CIN

OCCUPATIONAL HEALTH CONSULTANT

REG. NO.: 6-11075

Stamp of Consultant:

MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

Name:

MANUJICUMAIL

KHARVA

Age: 24

Sex: MALE

Present Medical Illness: N=L

Past Medical History

APPENDIX

OPERATED

Dietary Habits

mix

Addiction History

NIL

Family Medical History:

NIL

Occupational History :

NIL

Height: 169 cms

Weight: 51.4 Kgs

BMI: 18-0 Kg/m2

BP:120 /+ 0 mmHg

PR: P9 /min

Sp02:98 %

General Examination

CNS: WELL ORZENTED CVS: 51852 HEARD

& CONSZOUS.

NORMAL

RS : BIL HILL ENTILY PA :

NOILMAL.

NOKMAL.

Trismus Test:

Visual Acuity	Left Eye	Right Eye
Near Vision	N16	N16
Far Vision	616	616
Colour Vision	NAD	

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS

6. Blood Group

7. RBS 8. LFT 9. RFT 10. Urine R&M

11. G6PD

12. HBsAg

I have personally examined Mr/Ms Managarand have found his/her reports to be authentic. Kharva

Date: 10 10412 023 Signature of Medical Officer

Place: BHALUCH.

DR. DEVKUMAR VARMA M.D. (PATH), MBBS; CIH OCCUPATIONAL HEALTH CORSULTANT REG. MO .: G-11075

Medical Examination Certificate for employment at AIL (To be issued by General Physician or Industrial Physician Only)

Name :	WHIND KAMES KHUKA
Age / Sex :	241 MALG

NZL
PAREMOTA OLERALED
m=×
NIL
NIL
NIL

5007.514070	0.555.60						
Height	169	Cm	Weight:	51.4	Kgs	BMI:) P - O Kg/m2

Temperature :	F	Pulse Rate :	9 /min	
Blood Pressure :	120170 mm Hg	SpO2:	98 %	

Trismus Test	

General Examination	NORMAL
Central Nervous System	NOILMAL
Ear/Nose/Throat	NOILMEL
Cardiovascular System	Normal
Respiratory System	NORMAL
Gastrointestinal System	Noilmal
Integumentary System	NOILMAL
Musculoskeletal System	NORMAL.

	Right Eye	Left Eye
Far Vision	616	616
Near Vision	N16	77)6
Colour vision	IVAD	

The	e following	investigatio	n reports	are verified	d and attache	ed (Kindly	tick)
CBC+PS	5600		-	RBS	89.0	LFT	22115
RFT	1.2	G6PD	12.0	HBsAg	Regerive	Ur R&M	24 02 mod
PFT	Marmy	PTA		ECG	WNL	CXR	Nemy

I have personally examined Mr/Ms. Mana 16 unar 16 urva and have verified his/her reports to be authentic.

Remarks (If any):

	DR. DEVKUMAR VARMA
Name of Physician	M.D. (PATH), MEBS, CIN GCCUPATIONAL REALTH CONSULTANT
Stamp	REG. NO. 6-11075
Date	20104)2023
Place	Bhazuch.



Aarti Industries Limited

Self Declaration of Medical History

Name:	MANOJKUMAR KHARVA	1	-	
Agency Name:	MANOSKUMAR KHARVA.	Age/Sex:	24	MALE
		Function:	19	1 MILE
Division Name:		Emp. code/ Gate pass No:		

D	o you have an	y of the following health problems?	I v.		
		If Yes, specify in remark coloum	Yes	No	Remark
	1 High / low b	lood pressure	1		
		ellitus (Blood Sugar Problem)	-	V	
1	Heart relate heart diseas	d problems - Chest pain, Heart Attack, Congenital conditions, unbarlan	-	1	
1	Respiratory	related problems - Asthma/Shortness of breath/Chronic cough etc.	-	-	
1	Nervous syst	em related problems - Convulsion/Fits/Paralysis/Polio etc.	-	1	
1	Liver/Gall Bla	edder related problems like jaundice /Hepatitis/Gall stones etc.	-	V	
7	singrative sys	tem related problems - Peptic sicer/bloody vomiting or ar bowel habits etc.		1	
8		d problems - Renal stones/Blood in urine etc	-	-	
9	Blood related anemia/Thate	problems - Anemia/Low platelet count/Sirkle cell	-	1	
U	Any endocrin	e related disorder like thyroid conditions etc	-	100	
11	Musculoskele problem etc.	rtal disorders - Backache/Limb deformity/disc problem/joints	-	~	
12	Eye related po	roblems - Refractive errors/colour blindness/squint/cataract etc.	-	1	
13	Do you wear a	any contact lenses?		1	
14	Ear related pr	oblems - Ear discharge/hearing loss/tinnities etc.	-	V	
15	Skin related p	roblems - Rashes/psoriasis/scars etc.	-	V	
15	Are you suffer 8 /Leprosy etc	ing from any communicable diseases? - Tubercularie http://www.com		2	
17	Mental Health	related problem			
18	Any Allergy - D	rug/Food/Other	-	1	
19	Vertigo / Gidd	iness	-	V	
20	Phobia (Fear o	f hight or closed places/darkness)		V	
21	Ankle swelling	/Hernia / Hydrocele/Abdominal swelling etc		V	
22	Any history of	hospitalisation in past?		0	
23		past surgeries?	V		100
24		Habit - Drug/Alcohol/Tobbaco/Smoking?	V		hyrendin
25	Any history of I	ong term medications? OR currently taking any medication?	-	0	
26	Any history of c	occupational injuries/illness in past?		-	
27	Any past histor	y of cyanosis? (Bluish discolouration of tongue/lips/nails)	-	V	
28	Family History of Anthma/cancer	of Diabetes/Hypertension/Heart Actack/Montal dispertens		. /	
19	For Female	Last Menstrual Period			
	rot remaie	Any gynaecological disorder?	+	-	
0	Any present con			-	
Lebel	itional Remark			-	

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true. For non-routine work only: I hereby declare that I will not work in chemical process areas in violation of the company policy.

Done: 10/4/23

Mehon

Sign/Left thumb Impression of candidate

	(0)		आरती इंडस्ट्रीज लि	मिटेड				
		मेडिकल हि	स्ट्री की स्व घोषणा			-		
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			चंदि होंं, तो जिस्तार में बता दे	1	1 .4	-	20.00	+
1	काड प्रेक्षर की की	THE PARTY OF THE P			1.7			
2	व्यविद्यास-धूम	र की बीमारी (मापुरमेह)			1	+	-	-
4	-	समस्या - काली में दर्द /हार्ट एटेक/अन्स जात	द्य की बीजारी दिशेर		1	+		-
4	STREET, STREET	गस्थार्थ - अवस्थामा / स्रोता की तकतीना / उत्पाद			1	+		+
5		सम्पन्या (मिर्गी - सींच आल, तकता होता, पो	A Bridge Company of the Company of t		-	-		+
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ř		पेत समयन्त्रः - पेट मी छात्रे / उसटी या संद्रात मे			1.	+		-
Ħ.		मस्या - यूरिन में जलन / पचते का दर्द /यूरिन			1	-		+
9		प्याएं -हीओसवीबिज की कभी / ट्राक कनिका व			1	1		
10	धानसङ्ग्रह (स्रीमा/	गोड्टर) जैसी कोई अंतः साबी समस्या			1	-		-
11	THE PERSON NAMED IN COLUMN 2 I	व्हति / रीद की हश्मी / तिस्क की समस्या / अ	विदे की समस्या विदेश		1	-		+
12		लमस्या - लजर की कमजोरी / रंग पहचानके व			V			1
1)	स्या अस्य करिएक	ट सँस पहनते हो ?						Н
14	-	समस्याः कान में पाक्तप्रक्ष होन्छ / वही से स्	मार्ड स देला / शिक्षेट		V	-		+
15		समस्या - त्यास चकाते होना / श्रोदिशासिस / रह			1	+		1
16		क्रमित रोग से पीडित हो २ - क्षप रोग / एच अ			~	t		1
2.9	गानशिक दीमारी				1.	4		ł
18	क्रिसी दकई / सार	ग / या अन्य कोई चीज की अलेजी			10	-		1
19	क्सकर असल				1	+		1
20	डेपाई से हर तमन	। / ऑपेरे से डर अगना विनेरे			1	+		1
15	पैर में सुजल / होते	या / हीश्रोतिस / पेट में पानी भरता विमेरे			1	+		1
22		स्पतात में भर्ती हुए हो ?		1-	1	+		ł
23	कामी कोई ओपरेश	न/समेरीहुआहे?		1	_	P	Trend	1
24	किसी भी नधीजी व	ता / शराब / तबाक् का शेवन /पूमपान		-	1.0	1	The same	f
25	बया आपने तस्ये र	तमय तक कोई दवहरा खाई है ? या वर्तमान	में कोई दवा से खा है?		1			+
26	Accessed and the contract of t	कोई व्यवसाय सम्बन्धित चोट / बीमारी हुई है ।	CCCO, ICO DATE AND A PARTY		1	-	-	+
27		ित पा नायुनो में मीलायन हुआ है ?			1			1
	the second secon	र में किसी को स्कतनाथ/सुमार की बीमारी /हार्ट	H24 / मानशिक बीजारी/		1	1		+

में प्रमाणित करता हूँ की मेरे द्वारा दिया गया उपर्युक्त विवरण मेरी जानकारी और विश्वास के अनुसार गरी और पूर्व है। केवल नोंग स्टीन काम के लिये : में इस बात की घोषणा काता हूं कि मैं कंपनी नीति के उस्तवान में रासायनिक प्रक्रिया शांहें में काम नहीं बताया।

Par Bharveh.

दम्स / केंगर हे ?

30 हाल में कोई समस्या / बीमारी है ?

29 महिलाओं के लिए

अतिरिक्त टिप्पणी

आवरी मासिक की लारीख

१ में रोग संबंधी समस्या

28

व्यक्ति के हरलाशर या बाएं अंगुठे का निश्चन

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)

Serial number in the register of adult workers	*
Name of the person examined	: MANOJ KUMAL KHAIZVA
Father's Name	: RAMENH BHAI KHARVA
Sex	: macs
Residence	: DNAND
Date of birth, if available	: 0312212999
Name & address of the factory	1.70.77.10
The worker is employed/proposed	
(a) Hazardous process	\$ 1 996
(b) Dangerous operation	:
	of adult workers Name of the person examined Father's Name Sex Residence Date of birth, if available Name & address of the factory The worker is employed/proposed (a) Hazardous process

I certify that I have personally examined the above named person whose identification marks are... MOUE ON EACE 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 ... 2.9 ... years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.

Signature or left hand thumb Impression of the person examined: Signature of the Factory Medica

M.D. (PATH), MBBS, CIH OCCUPATIONAL HEALTH CONSULTANT REG. NO. G-11075

Stamp of factory Medical Officer with

Name of the Factory:







	ĮĮ TE	TEST REPORT		
Name	: Manojkumar	Age	: (24Y)	
Ref. By	: C/o Srh	Sex	: Male	
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817	
Account	: LAB	Mobile No.	ģ.	

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method		
Haemoglobin	14.0	gm%	13.0 - 17.0	Non Cyar	nide Oxy I	Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method		
RBC Count	5.2	mill./c.mm	4.5 - 5.5	Electrical	Impedan	nce
PCV	48.8	%	40 - 50	Cumulati	ve Pulse I	Height
MCV	99.6	fL	83 - 101			Histogram
MCH	28.5	pg	27 - 32	Calculate		
MCHC	33.5	96	31.5 - 34.5	Calculate	d	
RDW	13.0	96	11.6 - 14.0	Derived I	rom RBC	Histogram
Total WBC Count	5600	/c.mm	4000 - 10000	Electrical	Impedan	nce
Differential Count	[%]	Unit	Biological Ref. Interval	[Abs.]	Unit B	Biological Ref. Interval
(Flowcytometry /MICROSO	OPY)		II Library Co.		A A	
Polymorphs	65	%	40 - 80	3640	/c.mm	2000 - 7000
Lymphocytes	25	%	20 - 40	1400	/c.mm	1000 - 3000
Monocytes	08	%	2 - 10	448	/c.mm	200 - 1000
Easinophils	02	96	1-6	112	/c.mm	00 - 500
Basophils	00	%	0-2	0	/c.mm	00 - 100
Neutrophil to	2.6	%	0.78 - 3.53	Calculate	d	
Lymphocyte Ratio (N	ILR)			OT SECTION S	7 /A	
Platelet Count	236000	/c.mm	150000 - 410000	Electrical	Impedan	nce
ESR	05		nm	Modified	westergr	ren method
REFERENCES			ie & Lewis (12th Edition). f Infancy and Childhood(7th Edition,2)	009).		

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist) Reg. No. G-2489

AKSHAMMSHAM PATEL B.Sc. DMSE DIMLT Director Breching Sounder M.Q. Rojhalogy, Reg. No. G-2483

- End Of Report

MANHESISMATEU EL







III	II	H	I	ı	Ш	II	ı	I	1
Щ	Ņ	Ų	Ņ	Ų	Ŵ	Ņ	Ų	Ų	ŀ

TEST REPORT

Name	: Manojkumar		Age	: (24Y)
Ref. By	: C/o Srh		Sex	: Male
Reg.Date	: 10/04/2023 10:51		Reg.No.	: 2301000817
Account	: LAB	10	Mobile No.	1

BLOOD CHEMISTRY

(Specimen: SERUM)

		144	pecinical schooling	
Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.0	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.8	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.3	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.5	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	22.5	U/L	0 - 40	IFCC
S.G.O.T. (AST)	15.6	U/L	0 - 40	IFCC
Alkaline Phosphatase	65.0	U/L	35 - 105	AMP
Random Plasma Glucose	89.0	mg/dL	70 - 140	GOD POD METHOD

End Of Report -

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist)

Reg. No. G-2489







			TEST REPORT		
	Name	: Manojkumar	Age	: (24Y)	
	Ref. By	: C/o Srh	Sex	: Male	
i,	Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817	
	Account	: LAB	Mobile No.	4	

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	1.2	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	33.0	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	15.4	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	12.8	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).

(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report --

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist) Reg. No. G-2489







23010008	iii	TEST REPORT	
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	7

SERUM CHOLINESTERASE ESTIMATION

(Specimen: Serum)

Investigation	Result	Unit	Biological Reference Interval	Method	
Cholinesterase	5556.0	U/ml	4250 - 12000	Dri-chemistry	

Comments:

- Cholinesterase is also called pseudocholinesterase.
- The main indicators for measuring pseudocholinesterase are:
 - Monitoring exposure to cholinesterase inhibitors
 - · As a liver function test
 - Diagnosis of genetic variants.
- The most important use of cholinesterase is to measure the exposure to organophosphorus compounds like organophosphate insecticide which are irreversible inhibitors of both pseudocholinesterase and acetylcholinesterase.
- For individuals working in industries manufacturing organophosphate insecticides, a baseline measurement is recommended. A decrease of 40% from baseline produces symptoms and a decrease of 80% from baseline leads to severe symptoms.
- Pseudocholinesterase reflects acute toxicity while acetyl cholinesterase (true cholinesterase) reflects chronic exposure

Decreased levels:

- Organophosphate poisoning .
- Liver diseases like Acute hepatitis, Cirrhosis & Metastatic carcinoma to liver.
- Malnutrition

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).

(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report ------

Bold Indicates Abnormal Values
 This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist) Reg. No. G-2489

B.Sc. ONLI DMLI

M.D. officion

DR NITESH MATEEL







23010008	III	TEST REPORT	
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	4

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method	
G6PD Quntitative	12.0	U/g Hb	6.4 - 22.0	UV Kinetic	

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc..
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th Edition).

- End Of Report

* Bold Indicates Abnormal Values

This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist)

Reg. No. G-2489







	III.	TEST RE	PORT	
Name	: Manojkumar		Age	: (24Y)
Ref. By	: C/o Srh		Sex	: Male
Reg.Date	: 10/04/2023 10:51		Reg.No.	: 2301000817
Account	: LAB		Mobile No. *	\$

SEROLOGY EXAMINATION

(Specimen: SERUM)

				NOT THE STATE OF T	
	Investigation	Result	Unit	Biological Reference Interval	
	HBsAg Qualitative	Non- Reactive		Non -Reactive	
į.					
		200000000000000000000000000000000000000		End Of Report	

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist) Reg, No. G-2489







23010001	W)	TEST RE	PORT	
Name	: Manojkumar		Age	: (24Y)
Ref. By	: C/o Srh		Sex	: Male
Reg.Date	: 10/04/2023 10:51		Reg.No.	: 2301000817
Account	: LAB	74	Mobile No.	1

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)
Method : (Microscopic Examination)

Investigation	Result		
R.B.Cs.	Normochromic Normocytic.		
W.B.Cs.	Appear normal.		
Platelets	Adequate & Normal.		
Parasites	Not Detected		
1	End Of Page	ort	
	End Of Repo	D W	

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist) Reg. No. G-2489







	(II)	TEST REPORT	
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	35

BLOOD GROUP

(Sperimen: Whole Blood & Serum)

	- Davidina	Method
ABO TYPE	"A"	Forward Grouping By Column Agglutination
RH TYPE	POSITIVE	

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist) Reg. No. G-2489







23016008	ĮĮĮ TE	ST REPORT	
Name	: Manojkumar	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 10/04/2023 10:51	Reg.No.	: 2301000817
Account	: LAB	Mobile No.	

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.)

Investigation	Result	Biolo	gical Ref. Interval	Method
PHYSICAL EXAMINATION				
Colour	Pale Yellow	Pale	Yellow	
Transparency	Clear	Clean	r.	
CHEMICAL EXAMINATION				(Automated Strip test)
Specific Gravity	1.015	1.00	5 - 1.025	
Reaction (pH)	6.0	4.5 -	8.0	
Sugar	Absent	Abse	nt	
Acetone	Absent	Nega	itive	
Proteins	Absent	Abse	nt	
Bilirubin	Absent	Nega	itive	
UroBilinogen	Absent	Nega	tive	
Leukocyte Estarase	Absent	Nega	itive	
Nitrite	Absent	Nega	tive	
Blood	Absent	Nega	tive	
MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref.Interval	Method (Microscopy)
Pus Cells	1-2	/HPF	Absent	
Red Cells	NIL	/HPF	Absent	
Epithelial Cells	3-4	/HPF	Absent	

AKSHAYARSTEN PATEL B.Sc. DMLI Director & Founder Director & Founder

DR. DR DY ARMA

DR MYESHPAYELEL







	ĮĮĮ	TEST RE	PORT	
Name	: Manojkumar		Age	: (24Y)
Ref. By	: C/o Srh		Sex	: Male
Reg.Date	: 10/04/2023 10:51		Reg.No.	: 2301000817
Account	: LA8	1	Mobile No.	13

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Dev Varma M.D. (Pathologist) Reg. No. G-2489

MANOJKUMAR Male 24Years		PR PR QRS OTQTe			Diagnosis Information: Sinus Arrhythmia Suspect Inferior Myo Left Ventricular Hyr ST Elevation(II,III,aV	agnosis Information: Sinus Arrhythmia Suspect Inferior Myocardial Infarction? Left Ventricular Hypertrophy ST Elevation(II,III,aVF,V4,V5,V6)	cardial Infau Pertrophy /F,V4,V5,V6)	farction?		
		RV3/5VI	VI : 2.289/2.258	28 M N	Report Confirmed by:	firmed by:	1 -	\		Ī
1	4	7	7	1	3	3	1	7	7	3
-			_					70		
	_ {	3	3	1	3	3	2	7	1	3
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MATESHREE ENT. HOSPITAL

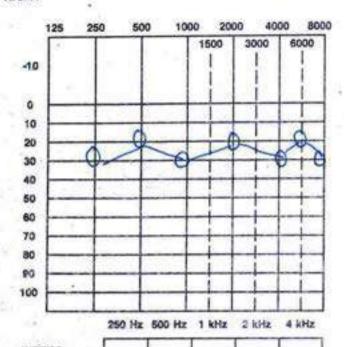


DR. GAURANG JOSHI D.L.O.M.S. (ENT) CIH

C-15, Capital Business Centre, Opp. Central Bank of India, Panch Batti, Bharuch-392 001. Phone: (H) 269880

RIGHT

Lateralized to

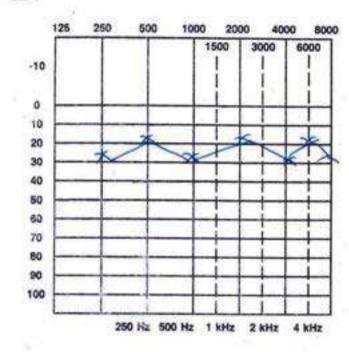


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Comments	Blu	NORMAL	
20-3-42			

Code No. :	Date: 10 04)2
Audiogram of Man 0)	cumar scharva
Age 24 Yrs. Sex T	9 C Ref. by
Occupation	
Address	

LEFT



Clinical	Findings			
Chinical	ringings	 	 	

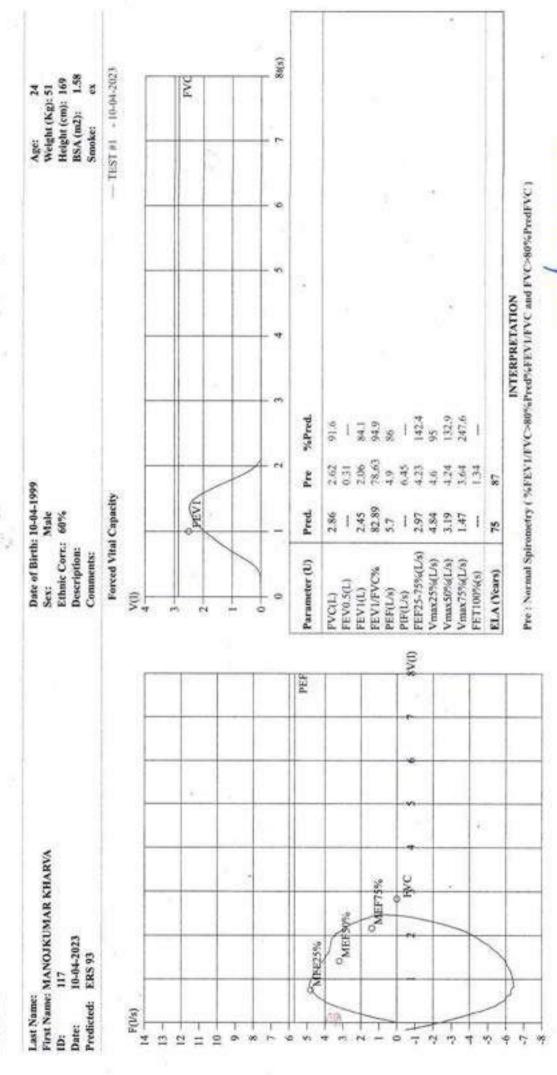
Dr. Gaurang Joshi DVO MS (ENT) Regd G 7667

Mateshree ENT Hospital C-15, Capital Business Center, Panchbatti, BHARUCH-392001 Ph.: (H)02642-259880

> DR. GAURANG JOSHI D.L.O.M.S. (ENT) CIH

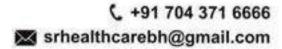


Medicaid Systems 389, Phase-II, Industrial Area



Printed 10-64-2023 SPIRO EXCEL L.1

DR. DEVKUMAR VARMA
M.O. (PATR), MBRS, CH
OCCUPATIONAL REALTH CORSULTABLE
REG. NO.: 6-11075





S R Healthcare Services

NAME: MANOJKUMAR KHARVA

DATE : 10/04/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

DR. KRUTIKKUMAR VASAVA CONSULTANT RADIOLOGIST



MANOJ KUMAR KHARVA 100402 M CHEST PA 10-Apr-23 10:45 AM MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



C +91 704 371 6666 srhealthcarebh@gmail.com

Medical Certificate of Fitness

Date: 25/05/2023

We hereby certify that we have carefully examined Mr. Krunal Prajapati Age 24Yrs/ Male and find that he is not suffering from any illness and is Fit to continue duties in your organization. We also certify that before arriving at this decision, we have examined all the original medical records of his.

Pre- employment Medical health Check-up

Sign of Consultant:

DR. DEVKUMAR VARMA

M.D. (PATH), MEES, CIN

Stamp of Consultant:

OCCUPATIONAL HEALTH CONSULTA

		S CERTIFICATI	
NAME OF TAXABLE PARTY.	(To be filled by Med		
Name: KRUNB	L P 12	מץ מכמ.	11
Age: 24	*	Sex:	WALE
Present Medical Illness:	NIL	* 1	
Past Medical History :	PAREMI	NO KIC	ERMIGD
Dietary Habits :	MIX		5.7
Addiction History :	NIL		
Family Medical History:	WIL.		
Occupational History :	NIL		
Height: \67_cms	Weight : 42-0	Kgs E	BMI : _3-0_Kg/m2
BP:12.0 /80 mmHg	PR: 37 /mi	n T:	F Sp02: <u>92</u> %
			CT SOLVE COLOR
	ENTEPC	vs : 12 & 1	ST NEGATAV 2 HEARDINGS MAL
CNS: WELL ONI	ENTEPC	vs : 12 & 1	2 ING BIZD IV BY
CNS: WELL ONI 8 CONSIOUS RS: BIL BIR IN DILM BL. Trismus Test:	ENTEP C	vs: 12 8 1	2 HEARDIVE
CNS: WELL ONE 8 CONSTOUS RS: BIL PIR IN DILM PL. Trismus Test: Visual Acuity	ENTEP CO	vs : 11 8 1	Right Eye
CNS: WELL ON A CONSTOUS RS: BIL PAR IN DILM PL. Trismus Test: Visual Acuity Near Vision	ENTEP CO	vs : 11 8 1	2 HEARDIVE
CNS: WELL ON A CONSTOUS RS: BIL PAR IN DILM PL. Trismus Test: Visual Acuity Near Vision Far Vision	ENTEP CO	vs: 11 8 1	Right Eye
CNS: WELL ON A CONSTOUS RS: BILL PAR IN DILM PL. Trismus Test: Visual Acuity Near Vision Far Vision Colour Vision	ENTEP CO	vs: 11 8 1	Right Eye 1716
CNS: WELL ONE SICENSTOUS RS: BIL PIR IN DILM PL. Trismus Test: Visual Acuity Near Vision Far Vision Colour Vision The following investigation	Left Ey	vs: J1 8 J	Right Eye N 6 616 Med. (Kindly tick)
CNS: WELL ON TO US RS: 131 L P T TO Trismus Test: Visual Acuity Near Vision Far Vision Colour Vision The following investigation 1. PFT 2. ECG 3. CXR	ENTEP CO	vs: J1 & J A: N D 11 Te G G JAD ified and attach 5. CBC + PS	Right Eye 1716
CNS: WELL ON A CONSTRUCTOR CONSTRUCTOR CONSTRUCTOR COLOUR VISION The following investigation Colour VISION COLOUR	Left Ey On reports are veri 4. Audiometry 10. Urine R&M	re ified and attach 5. CBC + PS 11. G6PD	Right Eye NO 16 Right Eye NO 16 Cold Right Eye NO 16 Right Eye N
CNS: WELL ONG RS: MELL ONG RS: MILL POR Trismus Test: Visual Acuity Near Vision Far Vision Colour Vision The following investigation 1. PFT 2. ECG 3. CXR 7. RBS 8. LFT 9. RFT	Left Ey On reports are veri 4. Audiometry 10. Urine R&M	ified and attach 5. CBC + PS 11. G6PD Vn w Prajura	Right Eye NOTE Right Eye NOTE 1016 10

Medical Examination Certificate for employment at AIL

(To be issued by General Physician or Industrial Physician Only)

Name :			151501	MAL	phy	2 O K	Trage
Age / Sex :			26) 5	MINCE			
			149				- 5
Present Med	ical Illne	ss:	NIL				
Past Medica	l History	: .	BAABL	XIO	0 % 1	ens	921
Dietary Habi	is:		MIL				
Addiction Hi	story:	7	NIL.				
Family Medical History :			NZC			8	r
Occupationa	l History		NIL	18 8			
Height:	167	Cm	Weight:	47.4 K	gs Bi	MI:	17- 0 Kg/m2
: Temperature :		g	F	Pulse Rate			37/min
Blood Pressu		120	PD mm Hg	SpO2;		TIA.	9P %
Trismus Test			(0.77)	1.			

General Examination	NOISWING.
Central Nervous System	NOISMAL
Ear/Nose/Throat	NOIL WAL
Cardiovascular System	NORMAL
Respiratory System	NORMAL
Gastrointestinal System	NORMAL
Integumentary System	WOISWEL.
Musculoskeletal System	NORMAL

	Right Eye	Left Eye
Far Vision	616	616
Near Vision	1716	116
Colour vision	10 10 10	

The	e following	investigatio	n reports	are verified	d and attache	ed (Kindly	tick)
CBC+PS	5900	Bld group	OTE	RBS	62.0	LFT	29120
RFT	0.7	G6PD	12.3	HBsAg	Resetive	Ur R&M	MALMA
PFT	Mormy	PTA	8.	ECG	WNL	CXR	14 La Wo

Name of Physician	DR. DEVKUMAR VARMA
Stamp	REG. NO. G-11075
Date	2510512625
Place	BHAILUCH.

	e1		ं आरती इंडस्ट्रीज वि	HIPICS	4 9		
		मे	डिकल हिस्ट्री की स्व घोषण	Т			
नाम	ŕ	Knowal	Privaporasi	-	र लिंग:	3	24 m
पर्जन	रेक्प लामः		101	distress		14	
ßė,	par: .		7.0	एउपतो शेट पा	यी कोड / सर्गः		
क्दा ।	सरको निम्नसिक्षि	त स्वास्थय समस्या है ?			sř.	नहीं	टिज्यमी
			ं यदि हाँ, तो विश्तार में बतार	4			
1	बलहा प्रेश्नर की बीज	वरी (रक्शवाप)				-	
2	डायबिटीस - धुनर	की बीमारी (मापुप्रमेह)				-	
3	इदय से जुड़ी हुई स	।मरुवा - छाती मै दुई /हार्ट एटे	s/जन्मजात इदय की बीमारी विगेर			1	- 1
4	ध्वसन संबंधी सम	स्याएं - अस्थला / सांस की तब	लीक / ज्यादा समय से खांती विमेरे			-	
5	दिनाग सम्बन्धित	समस्या (मिनी - खीच आना, र	क्या होना, पीतियो विनेरे)	1		U	
6	जिस् / विशासय र	हे संबंधित समस्या जैसे पीतिय	त / हेपेटाइटिस / पित की पचरी किगेरे			1	
7	पायन तंत्र सम्बंधि	रत समस्या - पेट में छाने / उस	टी या संडास में खून आना / डिमोरे			-	
	किडनी संबंधी सम	सन्यः - मूरित में जलत / पचरी ।	स दर्द /यूरिन में सून आना तिनेरे			-	
9	रमत संबंधी शमर- एनोमिया / वैसेसी		ट्रक विनेशा की कमी / शिकत होत			-	
10	वायराइड (खेना/व	विदृटर) जैसी कोई अंतर द्वाची स	मस्या			1	
11	कमर दर्द / अंग वि	क्ति / रीद की हर्जी / जिस्क व	रे समस्या / जोड़ो की समस्या विमेरे	1			-
12			य पहचानने में तकसीक होना / मोतिया			L	
13	क्या आप कॉन्टेक	द तील पहनते हो १		1	-		-
14	कान के सम्बंधित	समान्या - करन में चाकर्चस) हो	ना / शरी से सुनाई न देना / दिगेरे	1			
15	-		रियासिस / धाव - विकृति के निशान विनी				
15		and the first of t	रोग / एच आई वी / हेपेटाइटिस बी /				
17	मानसिक बीमारी		2 14 1767	1 1		1	
18	किसी दवाई / सान	। / या अल्य कोई चीज की असे	af.	1		1	_
19	चक्कर अभा			1		1	
20	उंचाई से इर समन	ा / अंधिरे से डर लगना विगेरे		1 1		1	
21	पैर में सूजन / इसि	या / हीड्रोसिस / पेट में पानी अ	रना विगेरे	1			
22	क्या आप कमी अर	त्पताल में भर्ती दूध हो ?			1		
23	The Contract of the Contract o	न / सर्जरी हुआ है ?			1		Appendix
24	किसी भी नशोली द	ता / शराब / लंबाकू का शेवन ,	Nowah .	1 1			1.111.63.836
25			? या वर्तमान में कोई दवा से रहा है?	1		-	-
26	क्या आपन्ये कड़ी	कोई व्यवसाय सम्बंधित चोट /	बीमारी हुई है ?	1		1 (4)	
27		ींड या माधूनो में मो लापन हुआ	and the second s				
28			में बीमारी /हार्ट अटैक / मानशिक बीमारी/				-
200		असरी मासिक की तारीख _		-	_	-	~
29	महिलाओं के लिए	हती रोग संबंधी समस्या			^		^
30	हाल में कोई समस	या / बीमारी है ?	0				4
of	विरिक्त टिप्पणी	1	106				
भ्यत	गोंन स्टीन काग के	सिये : मैं इस बात की धोणना व	विवरण मेरी जनकारी और विश्वास के अ नत्या हूं कि में कंपनी मीति के उपलंधन में	Terror			म नहीं कर्वना।
देखांब स्थार	8 25/0	5 23	- X		14	vary	
-	Die	i week			Sould	12000	एंअंगूठे का निशान



Aarti Industries Limited

Self Declaration of Medical History

Nam	ncy Name:	Kruna Prajatesti	Age/S Funct		-	24 1 m	
	sion Name:		Emp.	code/ pass No:			
Do	you have any	of the following health problems?		Yes	No	Remark	
8	Na.	If Yes, specify in remark colours					
1	High / low blo	od pressure .			1 -		
2	Diabetes Melli	tus (Blood Sugar Problem) -	1	30	-		
3	heart related heart disease	problems - Chest pain, Heart Attack, Congenital conditions, valvular etc. ,			-		
4	Respiratory re	lated problems - Asthma/Shortness of breath/Chronic cough etc.	1		-		
5	Nervous system	m related problems - Convulsion/Fits/Paralysis/Polio etc.	1 3		-		
6	Liver/Gall Blad	der related problems like jaundice /Hepatitis/Gall stones etc.					
7		m related problems - Peptic ulcer/bloody vomiting or bowel habits etc.			-		
8	Kidney related	problems - Renal stones/Blood in urine etc	- 8		1		
9	Biood related anemia/Thales	oroblems - Anemia/Low platelet count/Sickle cell semia etc.			-		
10	Any endocrine	related disorder like thyroid conditions etc	- 3		-		
11	Musculoskelet problem etc.	al disorders - Backache/Limb deformity/disc problem/joints			-		
12	Eye related pro	blems - Refractive errors/colour blindness/squint/cataract etc.	1		~		
13	Do you wear a	ny contact lenses?					
14	Ear related pro	blems - Ear discharge/hearing loss/tinnitus etc.					
15	Skin related pr	oblems - Rashes/psoriasis/scars etc.					
16	Are you suffer 8 /Leprosy etc.	ng from any communicable diseases? - Tuberculesis/HIV/Hepatitis		88			
17	Mental Health	related problem		_	-		
18	Any Allergy - D	rug/Food/Other			1		
19	Vertigo / Giddi	ness			1		
20	Phobía (Fear of	hight or closed places/darkness)					
21	Ankle swelling	Hernia / Hydrocele/Abdominal swelling etc					
22	Any history of	nospitalisation in past?		1		- 11	
23	Any history of	past surgeries?		-	+	Appendix	
24	Consumption/I	labit - Drug/Alcohol/Tobbaco/Smoking?			1	Lattenery	
25	Any history of I	ong term medications? OR currently taking any medication?	1				
26	Any history of e	occupational injuries/finess in past?			1		
27	Any past histor	y of cyanosis? (Bluish discolouration of tongue/lips/nails)	1		V		
28	Family History Asthma/cancer	of Diabetes/Hypertension/Heart Attack/Mental disorder/			-		
29	For Female	Last Menstrual Period		-	1	-	
***	For remain	Any gynaecological disorder?		-	_		
30	Any present co	mplaints?			-		
	ditional Remark	8 4 5			-		

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.

For non-routine work only: I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 25/05/23
Place: Bharuch

Sign/Left thumb Impression of candidate

FORM NO. 33

(Prescribed under Rule 68-T and 102) -

Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

1.	Serial number in the register
	of adult workers
2	Name of the person everning

Name of the person examined

Father's Name

4. Sex

Residence

6. Date of birth, if available

Name & address of the factory

The worker is employed/proposed

(a) Hazardous process

(b) Dangerous operation

Krunal Prajapati

Parsottambhai Prajapati

Male

Khambhat

23/07/1998

Aarti Industries Limited.

I certify that I have personally examined the above named person whose identification marks are Mole On Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 24 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.

Signature or left hand thumb Impression of the person examined: Signature of the Factory Medical Officer

DR. DEVKUMAR VARMACI M.D. (PATH), MBBS, CIH OCCUPATIONAL HEALTH CONSULTAN

REG. NO: 6-11875

Stamp of factory Medical Officer with

Name of the Factory:







aksharampathlab@gmail.com aksharampathlab@gmail.com

		TEST REPORT	
Name	: Krunal Prajapati	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/05/2023 11:59	Reg.No.	: 2301005093
Account	: LAB	Mobile No.	

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method
Haemoglobín	14.6	gm%	13.0 - 17.0	Non Cyanide Oxy Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method
RBC Count	5.0	mill./c.mm	4.5 - 5.5	Electrical Impedance
PCV	46.7	96	40 - 50	Cumulative Pulse Height
MCV	93.2	fL	83 - 101	Derived From RBC Histogram
MCH	30.2	pg	27 - 32	Calculated
MCHC	32.0	%	31.5 - 34.5	Calculated
RDW	13.2	%	11.6 - 14.0	Derived From RBC Histogram
Total WBC Count	5900	/c.mm	4000 - 10000	Electrical Impedance
Differential Count	[%]	Unit	Biological Ref. Interval	[Abs.] Unit Biological Ref. Interval
(Flowcytometry /MICROSCO	OPY)			
Polymorphs	70	%	40 - 80	4130 /c.mm 2000 - 7000
Lymphocytes	26	96	20 - 40	1534 /c.mm 1000 - 3000
Monocytes	03	96	2-10	177 /c.mm 200 - 1000
Eosinophils	01	%	1-6	59 - /c.mm 00 - 500
Basophils	00	%	0-2	0 /c.mm 00 - 100
	(0)	203	sacron fi	
Neutrophil to	2.7	%	0.78 - 3.53	Calculated
Lymphocyte Ratio (N	LR)	•	4 4	
Platelet Count	351000	/c.mm	150000 - 410000	Electrical Impedance
ESR	04		nm	Modified westergren method
REFERENCES (1) Practical Hematology b			e & Lewis (12th Edition). Infancy and Childhood(7th Edition, 20	

--- End Of Report -----

* Bold Indicates Abnormal Values
This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel M.D. (Microbiology)

B.SC. DIALIT

DE DEVYXWAMA

DR. NITESH PAPEL PATEL







	Ņ	TEST REPORT	
Name	: Krunal Prajapati *	Age	: (24Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/05/2023 11:59	Reg.No.	: 2301005093
Account	: LAB	Mobile No.	
-	a contract of the contract of	WOUNE NO.	

BLOOD CHEMISTRY

(Specimen: SERUM)

The second and the se		4.00	ecomplete agreement	
Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.1	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin		*		500000
Bilirubin-Total .	0.6	mg/dL	0.2,- 1.0	DIAZO
Bilirubin (Conjugated)	0.1	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.5	mg/dL-	0.0 - 1:1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	29 -	U/L	0 - 40	IFCC
S.G.O.T. (AST)	20	U/L	0 - 40	IFCC
Alkaline Phosphatase	52	U/L	35 - 105	AMP
Random Plasma Glucose	85	mg/dL	70 - 140	GOD POD METHOD

End Of Report --

* Bold Indicates Abnormal Values

This is an electronically authenticated report.







	1111	TEST	REPO	RT	
Name	: Krunal Prajapati	1	(t) 8	Age	: (24Y)
Ref. By	: C/o Srh			Sex	: Male
Reg.Date	: 25/05/2023 11:59			Reg.No.	: 2301005093
Account	: LAB	24.6		Mobile No.	

RENAL FUNCTION TEST

(Specimen: SERUM)

Investigation		Result	Unit	Biological Reference Interval	Method
			*		
Creatinine		0.7	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	80	22.1	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen		10.3	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO		14.7	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).

(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

--- End Of Report -----

Bold Indicates Abnormal Values
 This is an electronically authenticated report.







	II	TEST	REPORT	. *
Name	: Krunal Prajapati		Age	: (24Y)
Ref. By	: C/o Srh		Sex	: Male
Reg.Date	: 25/05/2023 11:59		Reg.No.	: 2301005093
Account	: LAB		Mobile N	No. :

SERUM CHOLINESTERASE ESTIMATION

(Specimen: Serum)

Investigation	Result	Unit	Biological Reference Interval	Method	1.5
Cholinesterase	6500	U/ml	4250 - 12000	Dri-chemistry	

Comments:

- Cholinesterase is also called pseudocholinesterase.
- The main indicators for measuring pseudocholinesterase.are:
 - Monitoring exposure to cholinesterase inhibitors
 - As a liver function test
 - Diagnosis of genetic variants.
- The most important use of cholinesterase is to measure the exposure to organophosphorus compounds like organophosphate insecticide which are irreversible inhibitors of both pseudocholinesterase and acetylcholinesterase.
- For individuals working in industries manufacturing organophosphate insecticides, a baseline measurement is recommended. A decrease of 40% from baseline produces symptoms and a decrease of 80% from baseline leads to severe symptoms.
- Pseudocholinesterase reflects acute toxicity while acetyl cholinesterase (true cholinesterase) reflects chronic exposure

Decreased levels:

- Organophosphate poisoning .
- Liver diseases like Acute hepatitis, Cirrhosis & Metastatic carcinoma to liver.
- Malnutrition

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).

(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----

* Bold Indicates Abnormal Values

This is an electronically authenticated report.

Approved by: Dr. Nitesh Patel M.D. (Microbiology)

AKAMSHAMPATEL

DRPDEVE VAKAGAMA

DR. NATES PATEL PATEL
M.D. METS PATEL
M.D. METS PATEL
24903

AKS HARAMATHOLDGY & MICROSOFLOGY QUEORAFOR ATORY







		TEST	REPO	ORT	W = 100	
Name	: Krunal Prajapati			Age	: (24Y)	
Ref. By	: C/o Srh			Sex	: Male	
Reg.Date	: 25/05/2023 11:59		100	Reg.No.	: 2301005093	
Account	: LAB			Mobile No.		

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method	
nound incommence were		w			
G6PD Quntitative	12.3	U/g Hb	6.4 - 22.0	UV Kinetic	

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

eference: Practical Hematology by Dacie & Lewis (12th Edition).	
End Of Report	

* Bold Indicates Abnormal Values
This is an electronically authenticated report.





+91 98249 64026 4026 00 02642 355179 02642 355179 02642 355179 aksharampathlab@gmail.com aksharampathlab@gmail.com

	III	TE	STREP	DRT	9.5
Name	: Krunal Prajapati	181	36	Age	: (24Y)
Ref. By	: C/o Srh		T II'V	Sex ·	: Male
Reg.Date	: 25/05/2023 11:59		92	Reg.No.	: 2301005093
Account	: LAB		-	Mobile No.	1

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	
HBsAg Qualitative	Non-		Non -Reactive	
55	Reactive		07	7/11

- End Of Report --

* Bold Indicates Abnormal Values

This is an electronically authenticated report.







ļļ	TEST REP	ORT	
: Krunal Prajapati	7.40	Age	: (24Y)
: C/o Srh	100	Sex	: Male
: 25/05/2023 11:59		Reg.No.	: 2301005093
: LAB	1.	Mobile No.	:
	: Krunal Prajapati : C/o Srh : 25/05/2023 11:59	: Krunal Prajapati : C/o Srh : 25/05/2023 11:59	: Krunal Prajapati Age : C/o Srh Sex : 25/05/2023 11:59 Reg.No.

PERIPHERAL SMEAR STUDY

(Specimen: EDTA)
Method: (Microscopic Examination)

Investigation	Result	
R.B.Cs.	Normochromic Normocytic.	
W.B.Cs.	Appear normal.	900
Platelets	Adequate & Normal.	
Parasites	Not Detected	
3		
	End Of Report	

* Bold Indicates Abnormal Values
This is an electronically authenticated report.







	ļļ	TEST RE	PORT	1,000
Name	: Krunal Prajapati	2 0	Age	: (24Y)
Ref. By	: C/o Srh	2	Sex	: Male
Reg.Date	: 25/05/2023 11:59		Reg.No.	: 2301005093
Account	: LAB	8 54	Mobile No.	83

BLOOD GROUP

(Specimen: Whole Blood & Serum)

Method Investigation Result "0" ABO TYPE Forward Grouping By Column Agglutination RH TYPE POSITIVE REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition). End Of Report -

Bold Indicates Abnormal Values This is an electronically authenticated report.





+91 98249964628 4926

02642 355179

aksharampathlab@gmail.com
aksharampathlab@gmail.com



TEST REPORT : Krunal Prajapati Name Age : (24Y) : C/o Srh : Male Ref, By Sex : 25/05/2023 11:59 : 2301005093 Reg.Date Reg.No. : LAB Mobile No. Account

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.)

	(Specim	en: Orme (rasting	g/kanuom/r.r.)	
Investigation	Result	Biologica	al Ref. Interval	Method
PHYSICAL EXAMINATION				
Colour	Pale Yellow	Pale Yelk	ow.	
Transparency	Clear	Clear		
CHEMICAL EXAMINATION				(Automated Strip test)
Specific Gravity	1.005	1.005 - 1	.025	
Reaction (pH)	7.0	4.5 - 8.0		
Sugar	Absent	Absent		
Acetone	Absent	Negative	7.3	100
Proteins	Absent	Absent		
Bilirubin	Absent	Negative		
UroBilinogen	Absent	Negative		
Leukocyte Estarase	Absent	Negative	16	
Nitrite	Absent	. Negative	17 to 2	
Blood	Absent	Negative	100	
MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref.Interval	Method (Microscopy)
Pus Cells	1-2	/HPF	Absent	
Red Cells	NIL	/HPF	Absent	
Epithelial Cells	3-4	/HPF	Absent	

-- End Of Report -----

Bold Indicates Abnormal Values
 This is an electronically authenticated report.

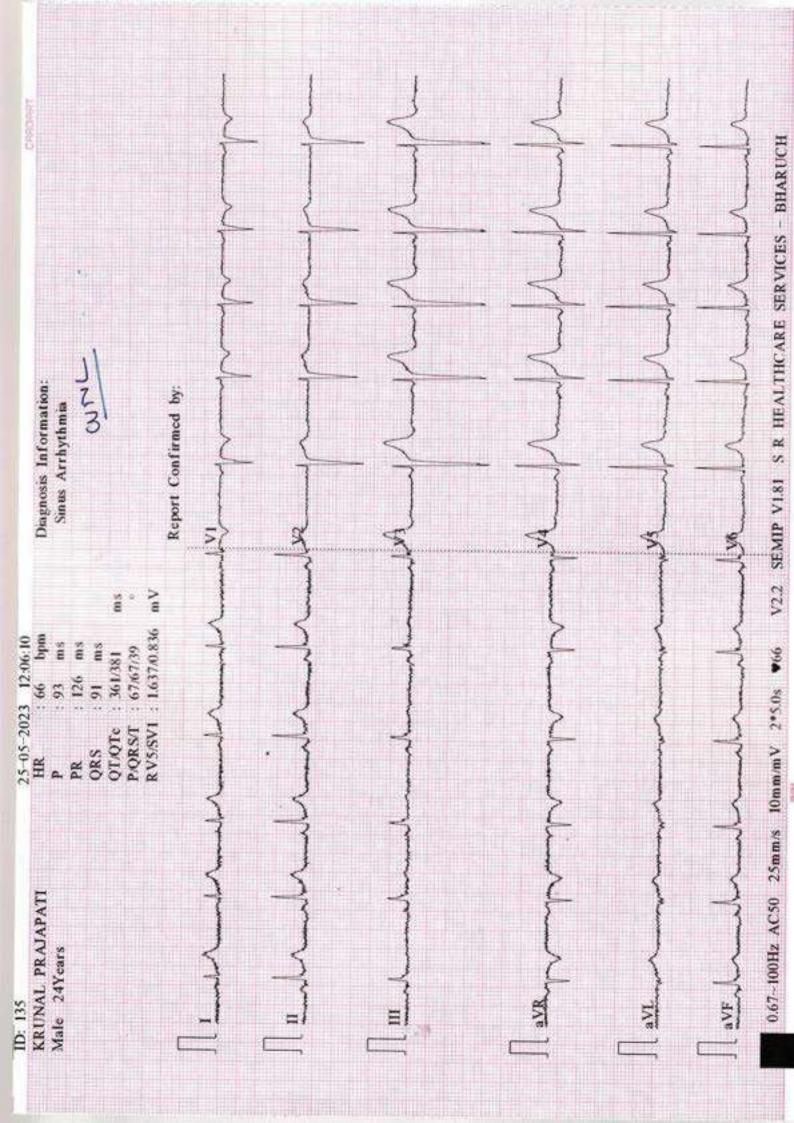
Approved by: Dr. Nitesh Patel M.D. (Microbiology)

AKAKSHAPPAFEL

OR DEVENA WARMA

DR. NOTES WPATEL PATEL

AKSHARAM BATHOL BAY & MICROB KOVOGY CHARGE ATORY



MATESHREE ENT. HOSPITAL AUDIOGRAM



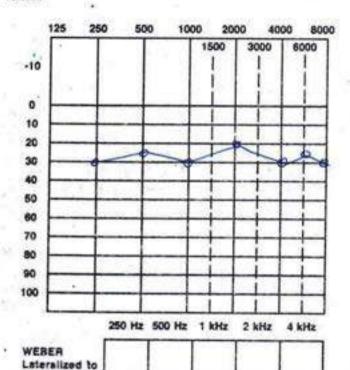
DR. GAURANG JOSHI D.L.O.M.S. (ENT)

CIH

C-15, Capital Business Centre, Opp. Central Bank of India, Panch Batti, Bharuch-392 001. Phone: (H) 269880

Audiogram of _	Madrico	12-datan
Age	Yrs. Sex	Ref. by
Occupation		
Address		
A3500 N A CO PA		

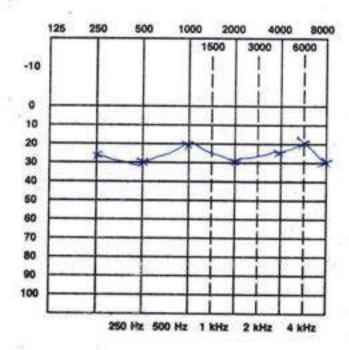
RIGHT



	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT
R	0	<	Δ	1	0
L	x	>		1	X

LEFT

Code No. : __



Clinical Findings

comments B12 Normal

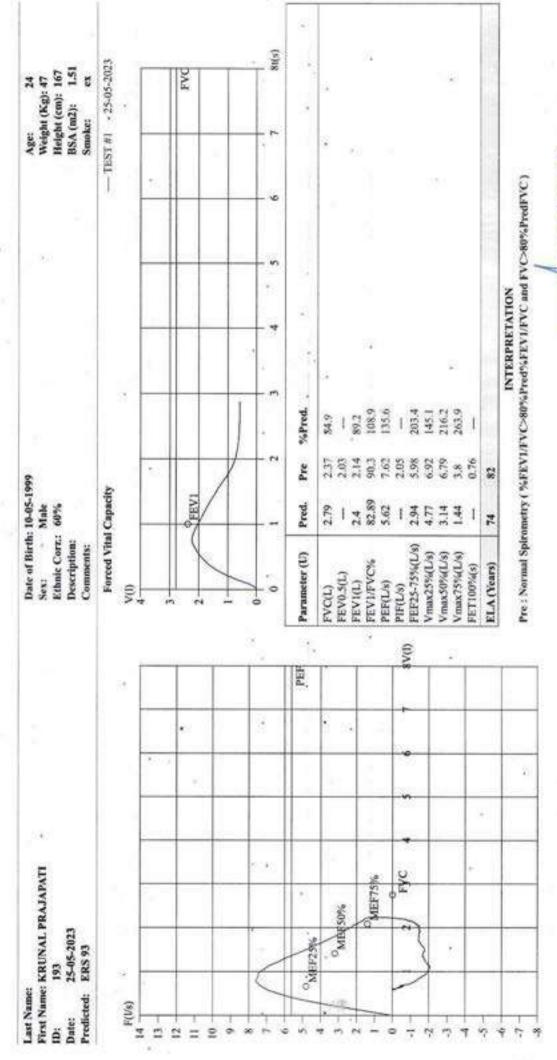
Blank (INT)

Mateshive ENT Hospital C-15, Capital Business Center, Panchbatti, BHARRICH 392001 Ph.: (HIDZ642-289880

DR. GAURANG JOSHI D.L.O.M.S. (ENT) CIH

Medicaid Systems 389, Phase-II, Industrial Area





DR. DEVKUMAR VARMA
Mr. M.D. (PAKH), MBBS, CIH
OCCUPATIORAL HEALTH CONSULTANT
REG. NO.: 6-11075



S R Healthcare Services

NAME : KRUNAL PRAJAPATI

DATE : 25/05/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal.

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

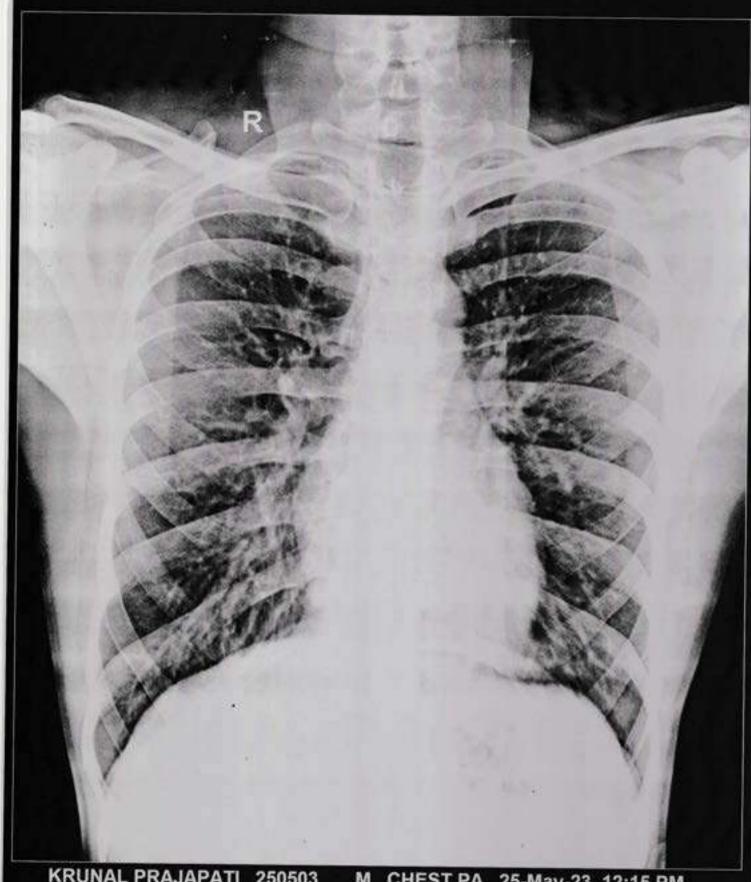
Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

DR. KRUTIKKUMAR VASAVA CONSULTANT RADIOLOGIST



KRUNAL PRAJAPATI 250503 M CHEST PA 25-May-23 12:15 PM MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH



S R Healthcare Services

Medical Certificate of Fitness

Date: 25/07/2023

We hereby certify that we have carefully examined Mr. Ronakkumar Patel

Age 26Yrs/ Male and find that he is not suffering from any illness and is Fit to

continue duties in your organization. We also certify that before arriving at this

decision, we have examined all the original medical records of his.

Pre- employment Medical health Check-up

Sign of Consultant:

DR. DEVKUMAR VARMA

M.D. (PATH), MBBS, CIH

Stamp of Consultant:

OCCUPATIONAL HEALTH CONSULTANT

REG. NO.: G-11075

MEDICAL FITNESS CERTIFICATE

(To be filled by Medical Officer Only)

PATEL RONAKKUMAR Name:

Age: 26

MALE Sex:

Present Medical Illness: NIL

NIL Past Medical History

VEGITAILIAN Dietary Habits

Addiction History NIL

Family Medica: History: NIL

MIL Occupational History

Height: 174 cms Weight: 68-3 Kgs BMI:22.6 Kg/m2

BP:110 /FO mmHa PR: 3 1 /min Sp02: 99 %

General Examination : ROMBERG'S TEST NECHTIVE

CNS: WELL ORIENTED & CVS: S1 & S2 HEARD

CONSIDUS

NORMAL RS : BIL AIR ENTRY PA : NORMAL

NORMAL Trismus Test:

Visual Acuity Left Eye Right Eye Near Vision NIG 1716 Far Vision 6 6 616 DAN Colour Vision

The following investigation reports are verified and attached. (Kindly tick)

1. PFT 2. ECG 3. CXR 4. Audiometry 5. CBC + PS 6. Blood Group

7. RBS 8. LFT 9. RFT 10. Urine R&M 11. G6PD

12. HBsAa

I have personally examined Mr/Ns _ Rongkkumar and have found his/her reports to be authentic.

Date: 25 07 2023

Signature of Medical Office DR. DEVKUMAR VARMA

M.D. (PATH), MEBS, CIN OCCUPATIONAL HEALTH CONSULTANT REG. NO.: 6-11975

Place: RHARUCH

Medical Examination Certificate for employment at AIL (To be issued by General Physician or Industrial Physician Only)

Name :	PATEL RONALLUMAR M.
Age / Sex :	26 I MALE

Present Medical Illness c	NIL
Past Medical History :	MIL
Dietary Habits :	VEG
Addiction History :	NIZL
Family Medical History :	NIL
Occupational History :	NIL

Height:	174 m	Weight:	68.3 Kgs	ВМІ:	22.6 Kg/m2
Temperature ;	1	→ F	Pulse Rate :		71 /min
Blood Pressure :	1101	80 mm Hg	SpO2:		99 %

General Examination	Normal
Central Nervous System	Normal
Ear/Nose/Throat	Normal
Cardiovascular System	Normal
Respiratory System	Normal
Gastrointestinal System	Normal
Integumentary System	Normal
Musculoskeletal System	Normed

	Right Eye	Left Eye
Far Vision	616	616
Near Vision	N16	NIG
Colour vision	MAD	

The	e following	investigatio	on reports	are verifie	d and attache	ed (Kindly	tick)
CBC+PS	→U00	-	BTVG	RBS	95-6	A 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	19123
RFT	0-9	G6PD	12.6	HBsAg	Kenesive	Ur R&M	MOIMY
PFT	LATERIA	PTA		ECG	WNL	CXR	Marmy

I have personally examined Mr/Ms. Rongkkumux Pute L and have verified his/her reports to be authentic.

Remarks (If any):

Name of Physician	DR. DEVKUMAR VARMA
Stamp	M.B. (PATH), MBBS, CIH GCCUPATIONAL HEALTH CONSULTANT REG. NO.: G-11075
Date	25/03/2023
Place	BHARUCH

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आरती इंडस्ट्रीज लिमिटेड

		मेडिकल हिस्ट्री की म्व घो	भणा	1		
ex.		Pedel Romalchames M.	34.	और लियाः	26, mule	
हेर्न	सनन		day	छन :	1	
et e	2		10000	सोबी बोड / पास में:		
FG 3	एको जिल्लीनिक	स्कारम्य समस्या है ?		हाँ	नहीं	शृष्यणी
		यदि हाँ, तो विस्तार में	बताये			
1	राज्य केरार की कीवन	र्च (राजनचार)			V	
2	इत्रविदेश भूगर व	रि केमारी (मपुष्मेंह :			~	
3	हटय में ज़ुतें हुई संस	रस्याः एकारे में दर्द (हार्ट एटेक/जननजात हृदय की बीनारी विगेरे			~	
4	वस्त्रम संस्थी सम्ब	वर्ष - अस्थान / साम बी तकनीक / प्रचादा समय से धांकी विशेष			~	
5	दिसारा शरक्तिस प्र	(मान्या (मिन्नी - व्हीच आतः, असवा होता, चीतियो वितेषे)			V	
	किया / विस्तार से	संबंधित समस्या जैसे पैकिया / हेपेटाइटिस / पित की पथरी किरी	2		~	
7	पायम तथ सम्बंधिः	त समस्या - पेट में छाने / उनरी या संदास में खुन अप्ता / विरोधे			V	
8	किन्नि संबंधी सम	था - प्रिन में जनन / पमरी का दर्द /प्रिन में खून अपना विनेते			V	
9	रका संबंधी समस्य एसोसिया / शैलेली	एर - हीजोउरलेटिन की कभी / ट्रांक कॉनेकर की कभी / शिकत सेत लेना विनोर			V	
10	मायराइड (क्षेत्र)/रो	इटर) जैसी कोई अंतः खार्च धमस्या			V	
12	कार दर्द / अंग कि	क्षि / रींद्र की हजुड़ी / सिरम्स की समयना / जोड़ो की समयका विनी			V	
12	A STATE OF THE PARTY OF THE PAR	मरमा - अज्ञर की कमजोरी / रंग पहचानने में तकसीप होना / मोर्			V	
13	क्या आर व्हेन्ट्रेक्ट	नेस पहनते हो :			V	
14	-	हमस्या - बरम में पानल्पस्य होता / हाही से मुनाई न देता / विमेरे			V	
15	A COLUMN TOWNS TO SERVICE	नस्याः जातः चकाते होता / सॉदियासिस / धाव - विकृति के निशान	rfa/lt		V	
16	the same of the sa	क्रोमित रोग से पीड़ित हो २ - शब होग / एव आई की / हेपेटाइटिस बै	windowski and		~	
17	मानसिक केमारी				~	
18	ਜਿਲੀ ਟਵਾई / ਚਾਮ	r / का अस्य कोई चीज की असेजी			V	
19	क्रम्बर अवत	97.000.00			V	
20	इंचाई से हर सगम	ा / अंग्रेरे से इर सराजा विगेरे				
21		या <i>। है</i> होसिन <i>!</i> पेट में फली मरना विनेदे			V	
22	-	प्यतान में अर्थी हुए हो ।			V	
23	and an interest to the state of	a / exitb gard ?			V	
24	-	ता / शराब / लंबाक् का सेवन /पृत्रयान			V	
25	and the last of th	समय तक कोई दवाइया खाई है ? या बतिमान में कोई दवा से रहा	19		V	
26	-	कोई व्यवसाय सम्बन्धित चोट / बीमारी हुई हे ?			V	
27		िठ पा माह्यूनी में मीनवपन हुआ है ?		-	V	
28	and the later to the later and	र में बिसी को रक्तपाप/शुरूर की बीजरी /हार्ट अटेक / मानसिक	वीनगरी/		V	
		अक्षरे मार्गिक के लगैक			1	7
29	महिमाओं के लिए	शर्क रॉग संबंधी समस्या		_14	8	
30	हात है कोई समस				1	
-	(विदिक्त दिण्यणी	AMORE	-			

में प्रमाणित करना हूं 'हे मेरे द्वारा दिया गया उपयुक्त विवरण मेरी आनकारी और विश्वकर के अनुसार कही और पूर्व है। केवल मॉन कटीन काम के लिये : में इस बात की सोणवा करता हूं कि में कामरे मोदि के उन्तराम में राज्यायिक प्रक्रिया होने में काम नहीं करेगा।

1500 25/07/2023 +1111 Bhumch

PR.M.

व्यक्तित के हरताकर या बार्एअंगूठे का निशान



Aarti Industries Limited

Self Declaration of Medical History

Name:	Pedel Ranakkuman m.	Age/Sex:	26, mule
Agency Name:		Function:	No. Continued and the continue
Division Name:		Emp. code/ Gate pass No:	

y	ou have any of	the following health problems?	Yes	No	Remark
		If Yes, specify in remark coloum			
1	High / low blood	pressure		-	
2		(Blood Sugar Problem)		1	
3	Heart related pro heart disease etc	blems - Chest pain, Heart Attack, Congenital conditions, valvular		~	
4	Respiratory relat	ed problems - Asthma/Shortness of breath/Chronic cough etc.		-	
5	Nervous system (related problems - Convulsion/Fits/Paralysn/Polio etc.		~	
6	Liver/Gall Bladde	r related problems like jaundice /Hepatitis/Gall stones etc.		~	
7	Digestive system stool/irregular bo	related problems - Peptic ulcer/bloody vomiting or owel habits etc.		~	
8	Kidney related pr	oblems - Renal stones/Blood in urine etc		~	
9	Blood related pro anemia/Thalesse	oblems - Ancinia/Low platelet count/Sickle cell omia etc.		~	
10	Any endocrine re	elated disorder like thyroid conditions etc		~	
11	Musculoskeletal problem etc.	disorders - Backache/Limb deformity/disc problem/joints		~	
12	Eye related prob	lems - Refractive errors/colour blindness/squint/cataract etc.		~	
13	Do you wear any			1	
14	Ear related prob	lems - Ear discharge/hearing loss/tinnitus etc.		V	
15	Skin related prof	olems - Rashes/psoriasis/scars etc.		~	
16	A CANADA SANCE AND A SANCE AND A SANCE AND ASSAULT AND	g from any communicable diseases? - Tuberculosis/HIV/Hepatitis		~	
17	Mental Health re	elated problem		~	
18	Asy Allergy - Dry	ig/Food/Other		V	
19	Vertigo / Giddin	ess.		V	
20	Phobia (Fear of I	hight or closed places/darkness)		~	
21	Ankle swelling/h	Hernia / Hydrocele/Abdominal swelling etc		V	
22	Any history of h	ospitalisation in past?		~	
23	Any history of p	ast surgeries?		~	
24	Consumption/H	abit - Drug/Alcohol/Tobbaco/Smoking?		1	
25	Any history of to	ing term medications? OR currently taking any medication?		-	
26	Any history of o	ccupational injuries/illness in past?		V	
27	Any past history	of cyanosis? (Bluish discolouration of tongue/lips/nalls)		1	
28	Family History of Asthma/cancer	f Diabetes/Hypertension/Heart Attack/Mental disorder/		V	
-	and an area	Last Menstrual Period	100	100	
29	For Female	Any gynaecological disorder?	1		
_	Any present cor	COLORA CO		V	

I hereby declare that, to the best of my knowledge and belief, the particulars given above and the declaration made therein are true.

For non-routine work only: I hereby declare that I will not work in chemical process areas in violation of the company policy.

Date: 25/07/2023

Sign/Left thumb Impression of candidate

FORM NO. 33

(Prescribed under Rule 68-T and 102)

Certificate of Fitness of employment in hazardous process and operations

(TO BE ISSUED BY FACTORY MEDICAL OFFICER)

1.	Serial number in the register
	of adult workers

Name of the person examined : Ronakkumar Patel
 Father's Name : Mahendrabhai Patel

4. Sex : Male
5. Residence : Vadodara
6. Date of birth, if available : 09/11/1996

7. Name & address of the factory : Aarti industries Ltd, Dahej

8. The worker is employed/proposed :

(a) Hazardous process : (b) Dangerous operation :

I certify that I have personally examined the above-named person whose identification marks are Mole on Face and who is desirous of being employed in above mentioned process/operation and that his/her, age, as can be ascertained from my examination, is 27 years.

In my opinion he/she is fit for employment in the Said manufacturing process/operation.

Signature or left-hand thumb Impression of the person examined: Signature of the Factory Medical Officer

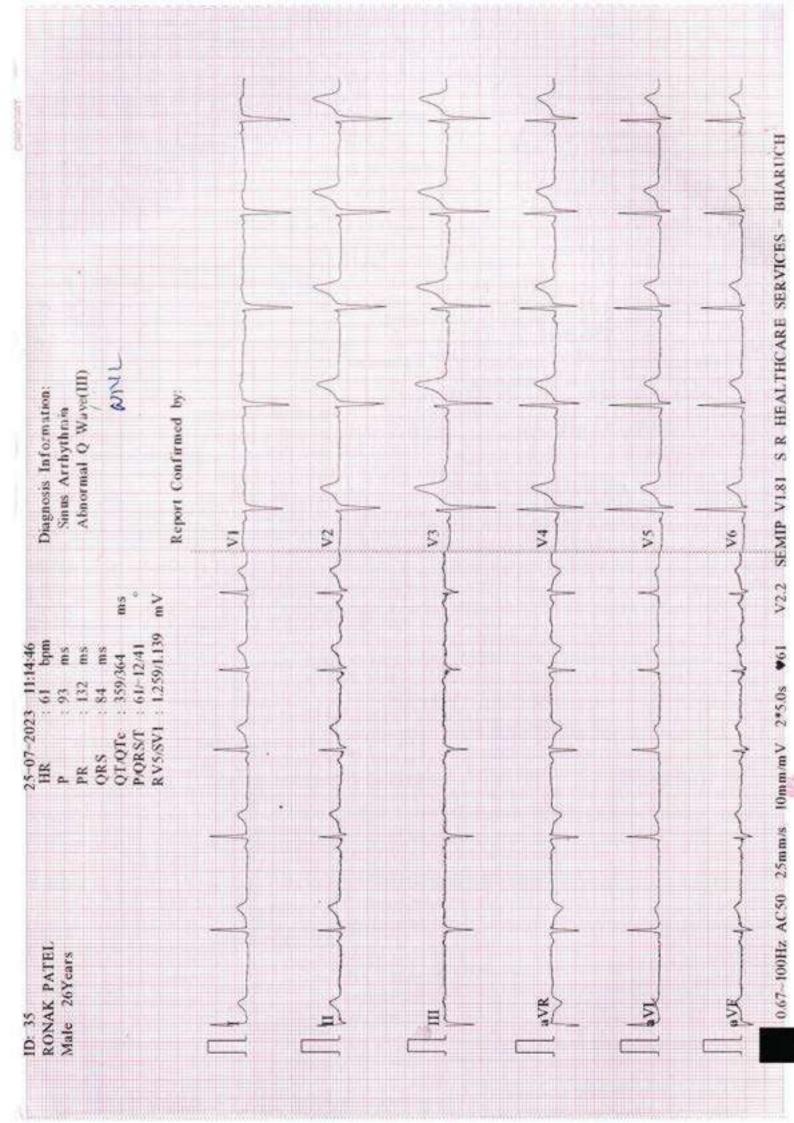
DR. DEVKUMAR VARMA M.D. (PATH), MSBS, CIH

OCCUPATIONAL HEALTH CONSULTANT

REG. NO.: G-11075

Stamp of factory Medical Officer with

Name of the Factory:



MATESHREE ENT. HOSPITAL

AUDIOGRAM

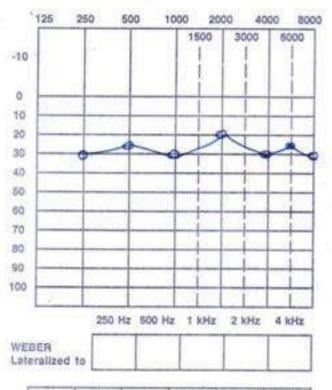
DR. GAURANG JOSHI D.L.O.M.S. (ENT) CIH

C-15, Capital Business Centre, Opp. Central Bank of India, Panch Batti, Bharuch-392 001. Phone: (H) 269880 Audiogram of Rongkkumux

Age 26 Yrs. Sex Mule Ref. by

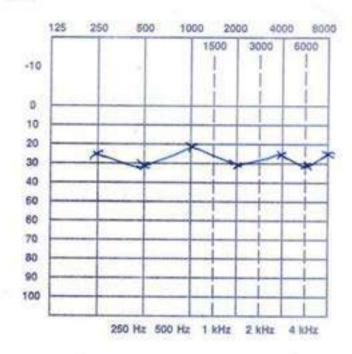
Occupation Address

RIGHT



	A.C.	B.C.	A.C. MASK	B.C. MASK	NOT
R	0	<	Δ	1	0
L	х	>		1	X

LEFT



Clinical Findings _____

Comments BIL Normal

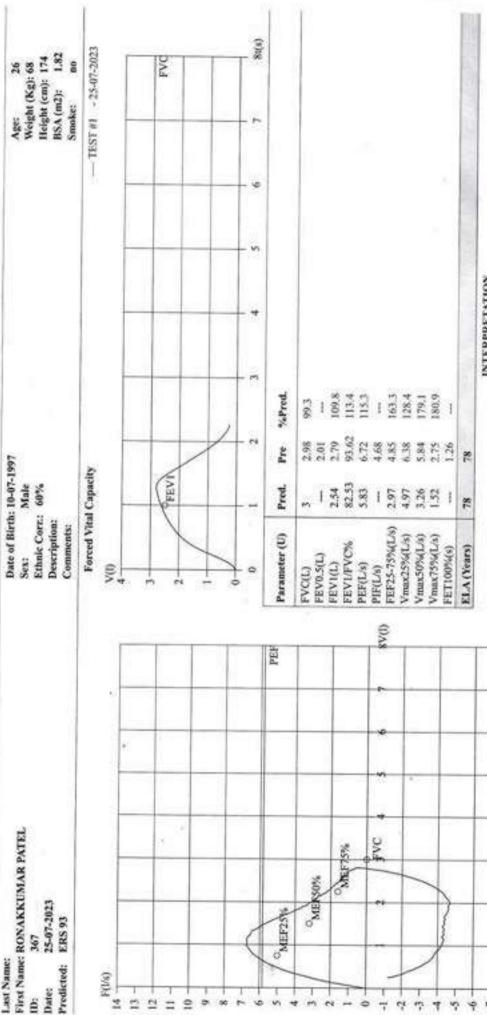
Dr. Gauran Aphi REGISS (847 Appi 6 7967 Materials EST Mempiral

C-15, Capitel Scalings Course,

Panehbatti, R6 ARUCIDR, GAURANG JOSHI Ph. (H13764 2.7554 D.L.O.M.S. (ENT) CIH



Medicaid Systems 389, Phase-II, Industrial Area



Pre: Normal Spirometry (%FEV1/FVC>80%Pred%FEV1/FVC and FVC>80%PredFVC)

Mr. M.D. (PATR), MSBS, CH GCUPATIONAL REALTH CONSULTANT REG. NO.: 6-11075 NAME: RONAKKUMAR PATEL

DATE : 25/07/2023

Plain Skiagram of Chest PA View

Both lung fields appear normal,

Mediastinal shadow appears normal.

No evidence of pleural effusion is seen.

Heart and aorta appears normal.

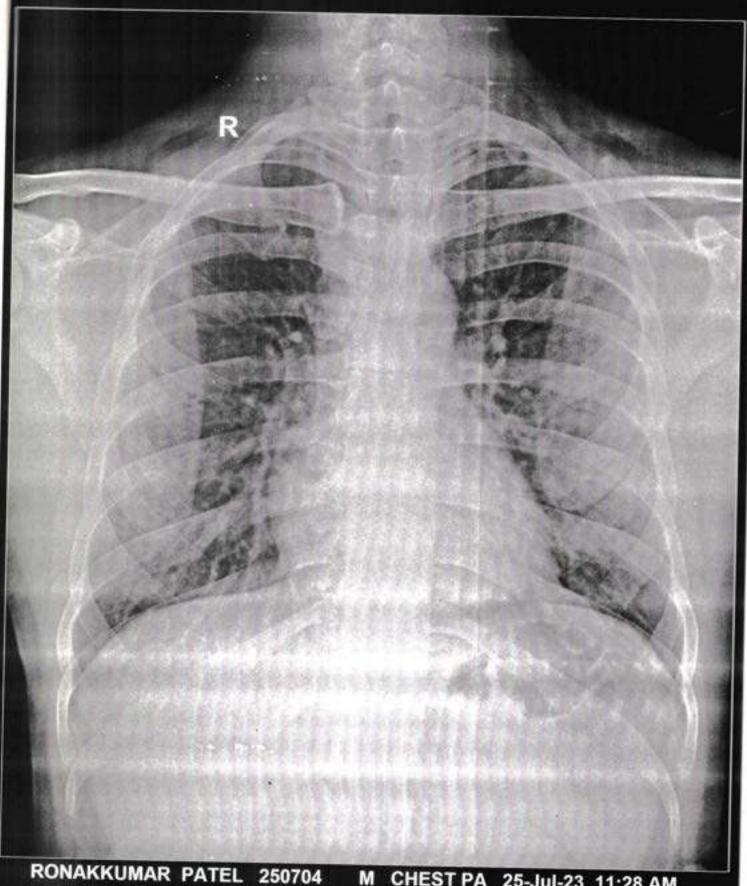
Domes of diaphragm appear normal.

Bones under view appears normal.

Comments: No abnormality detected.

THANKS FOR REFERENCE.

DR. KRUTIKKUMAR VASAVA CONSULTANT RADIOLOGIST



RONAKKUMAR PATEL 250704 M CHEST PA 25-Jul-23 11:28 AM MEDISTAR OCCUPATIONAL HEALTHCARE SERVICES, BHARUCH







2 3 0 1 0 1 1 9 6	7	TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

HEMOGRAM REPORT

(Specimen: Whole Blood)

Parameter	Result	Unit	Biological Ref. Interval	Method	l	
Haemoglobin	15.2	gm%	13.0 - 17.0	Non Cya	nide Oxy	Hemoglobin
Blood Cell Indices	Result	Unit	Biological Ref. Interval	Method	i	
RBC Count PCV MCV MCH MCHC RDW	4.6 42.3 93.3 32.3 31.5 12.3	mill./c.mm % fL pg % %	4.5 - 5.5 40 - 50 83 - 101 27 - 32 31.5 - 34.5 11.6 - 14.0	Calculate Calculate	ive Pulse From RBC ed ed	
Total WBC Count	7400	/c.mm	4000 - 10000	Electrica	l Impedai	nce
Differential Count	[%]	Unit	Biological Ref. Interval	[Abs.]	Unit E	Biological Ref. Interval
(Flowcytometry /MICROSC	•					
Polymorphs	60	%	40 - 80	4440	/c.mm	
Lymphocytes	37	%	20 - 40	2738	/c.mm	
Monocytes	02	%	2 - 10	148	/c.mm	
Eosinophils	01	%	1 - 6	74	/c.mm	
Basophils	00	%	0 - 2	0	/c.mm	00 - 100
Neutrophil to Lymphocyte Ratio (N	1.6 ILR)	%	0.78 - 3.53	Calculate	ed	
Platelet Count ESR REFERENCES		Hematology by Dad	150000 - 450000 NM ile & Lewis (12th Edition). f Infancy and Childhood(7th Edition,2		•	nce ren method



^{*} Bold Indicates Abnormal Values This is an electronically authenticated report.







2 3 0 1 0 1 1 9 6	7	TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

BLOOD CHEMISTRY

(Specimen: SERUM)

		(~)	pecimen. Serroivi,	
Investigation	Result	Unit	Biological Reference Interval	Method:
Uric Acid	5.2	mg/dL	3.4 - 7.0	Uricase
Serum Bilirubin				
Bilirubin-Total	0.6	mg/dL	0.2 - 1.0	DIAZO
Bilirubin (Conjugated)	0.3	mg/dL	0.0 - 0.3	DIAZO
Bilirubin (Unconjugated)	0.3	mg/dL	0.0 - 1.1	DIAZO
Bilirubin (Delta)	0	mg/dL		Calculated
S.G.P.T. (ALT)	14.5	U/L	0 - 40	IFCC
S.G.O.T. (AST)	23.6	U/L	0 - 40	IFCC
Alkaline Phosphatase	74.5	U/L	35 - 105	AMP
Random Plasma Glucose	95.6	mg/dL	70 - 140	GOD POD METHOD

----- End Of Report -----



^{*} Bold Indicates Abnormal Values
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2 3 0 1 0 1 1 9 6	7	TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

RENAL FUNCTION TEST

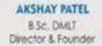
(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	Method
Creatinine	0.9	mg/dL	0.4 - 1.5	Enzymatic
Blood Urea	23.6	mg/dL	10 - 50	UREASE-GLDH
Blood Urea Nitrogen	11	mg/dL	0.0 - 18.0	Dry Chemistry
BUN CREATININE RATIO	12.2	%		Calculated

REFERENCES: (1) Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (5th Edition).

(2) Wallach's Interpretation of Diagnostic Tests (11th edition).

----- End Of Report -----



^{*} Bold Indicates Abnormal Values This is an electronically authenticated report.







2 3 0 1 0 1 1 9 6	7	TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

G6PD QUANTITATIVE

(Specimen: Whole Blood)

Investigation	Result	Unit	Biological Reference Interval	Method
G6PD Quntitative	12.6	U/g Hb	6.4 - 22.0	UV Kinetic

Comments:

- G-6 PD deficiency is a sex linked genetically inherited RBC enzyme disorder making the cells vulnerable to oxidative denaturation of hemoglobin.
- G-6 PD levels are highest in young cells and decrease as cells age, hence in cases of G-6 PD deficiency, the older cells are preferentially destroyed.
- Hemolytic susceptibility in affected persons can increase greatly during intercurrent illness or upon exposure to various drugs that have oxidant properties like Primaquin, Nalidixic acid, Nitrofurantoin etc.,
- Marked genetic heterogeneity has been reported in G-6 PD deficiency cases and > 300 variants have been defined.
- This heterogeneity causes variability in the degree of deficiency, types of cells affected, types of drugs causing hemolysis and susceptibility to chronic hemolysis and neonatal jaundice.

Reference: Practical Hematology by Dacie & Lewis (12th	Edition).
End O	of Report

* Bold Indicates Abnormal Values This is an electronically authenticated report.









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Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

SEROLOGY EXAMINATION

(Specimen: SERUM)

Investigation	Result	Unit	Biological Reference Interval	
HBsAg Qualitative	Non- Reactive		Non -Reactive	

Please Note:	This is Rapid	l screening test	t please	confirm	it with	Elisa test	(confirmator	y test).
	•		•				`	•
				End Of R	eport -			

* Bold Indicates Abnormal Values This is an electronically authenticated report.







2 3 0 1 0 1 1 9 6	 7	TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

PERIPHERAL SMEAR STUDY

(Specimen: EDTA) **Method: (Microscopic Examination)**

Investigation	Result
R.B.Cs.	Normochromic Normocytic.
W.B.Cs.	Appear normal.
Platelets	Adequate & Normal.
Parasites	Not Detected
:	End Of Report
	D 10

^{*} Bold Indicates Abnormal Values This is an electronically authenticated report.







2 3 0 1 0 1 1 9		TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

BLOOD GROUP

Investigation Result		Method				
ABO TYPE	"B"	Forward Grouping By Column Agglutination				
RH TYPE	POSITIVE					
REFERENCE: Mollison's Blood Transfusion in Clinical Medicine (12th Edition).						



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2 3 0 1 0 1 1 9 6	II 5 7	TEST REPORT	
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Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

URINE ROUTINE EXAMINATION

(Specimen: Urine (Fasting/Random/P.P.)

Investigation PHYSICAL EXAMINATION Colour	Result	Bio	ological Ref. Interval	Method
Colour				
Coloui	Pale Yellow	Pa	le Yellow	
<u>Transparency</u>	Clear	Cle	ear	
CHEMICAL EXAMINATION				(Automated Strip test)
Specific Gravity	1.020	1.0	005 - 1.025	
Reaction (pH)	6.5	4.5	5 - 8.0	
Sugar	Absent	Ab	sent	
<u>Acetone</u>	Absent	Ne	gative	
<u>Proteins</u>	Absent	Ab	sent	
<u>Bilirubin</u>	Absent	Ne	gative	
<u>UroBilinogen</u>	Absent	Ne	gative	
<u>Leukocyte Estarase</u>	Absent	Ne	gative	
<u>Nitrite</u>	Absent	Ne	gative	
Blood	Absent	Ne	gative	
MICROSCOPIC EXAMINATION	Result	Unit	Biological Ref.Interval	Method (Microscopy)
Pus Cells	1-2	/HPF	Absent	
Red Cells	NIL	/HPF	Absent	
Epithelial Cells	2-3	/HPF	Absent	

------ End Of Report ------



BSc. DMLT Director & Founder DR. DEV VARMA M.D. Pathology Reg. No. G-2489 DR. NITESH PATEL M.D. Microbiology Reg. No. G-24903









2 3 0 1 0 1 1 9 6	 	TEST REPORT	
Name	: Ronakkumar Patel	Age	: (27Y)
Ref. By	: C/o Srh	Sex	: Male
Reg.Date	: 25/07/2023 12:46	Reg.No.	: 2301011967
Account	: LAB	Mobile No.	:

* Bold Indicates Abnormal Values
This is an electronically authenticated report.



Pacific School of Engineering

(Approved by AICTE New Delhi & Affiliated to GTU, Ahmedabad)

Ref. No.: PSE/ENGG/CERT/22/10

Date:04/04/2022

DETAIL OF CLEANER PRODUCTION PRACTICES

The Environmental Audit Scheme was introduced by the Gujarat High Court vide its orders dated 20/12/96 & 13/3/97 and modified vide order dated 16/9/99, 22/04/2010 & 23/1/2015. We are recognized by GPCB, Gandhinagar as Schedule- I Environmental Auditor for compliance of the directions of the Hon'ble High Court. In order to study cleaner production practices, industry has approached us and thus, visits were carried out and evaluated practices of CPP for:

M/S. AARTI INDUSTRIES LIMITED,

PLOT NO. Z/103/C, DAHEJ-SEZ-II,

TALUKA: VAGRA, DIST. BHARUCH, GUJARAT.

A. BACKGROUND OF STUDY:

This study includes cleaner production practices adopted by industry. This study mainly included for following processes:

- 1. Phenol recovery from DCP (Di-cholorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology.
- 2. DCA (2,5 Di-choloroaniline) recovery from distillation residue with the use of agitated thin film evaporator (ATFE).
- 3. Reuse of 70% concentrated H₂SO₄ by increasing the concentration of H₂SO₄to 90% through series of evaporation.
- 4. Recovery of methanol from DCA obtained during 2, 5-DCA production.

B. Manufacturing process of DCA and DCP:

1. 2,5 DI- CHLORO ANILINE

Initially, 2, 5 Di-chloro nitrobenzene is reacted in an autoclave reactor with

Plot No. 87,91,92,96, Opp. Sarthe Township Kadodara Palsana Road, (NH-8), V. Sanki, Ta. Palsana, Surat-394:

Phone: 9979422749 | Email:emt.pse@gmail.com

Website: www.pacific-soc.ac.in

hydrogen gas in presence of metal powder catalyst to produce 2, 5 dichloro aniline. The reaction mixture contains solvent. The reaction is followed by catalyst filtration, solvent recovery, and layer separation and drying. Crude product is then subjected to flash distillation to get the pure product. Product is either sold as liquid or flakes depending on the market requirement.

Stochiometric reaction:

Di-chloro aniline:

	CHINOLE	+	3H ₁ —	 C₀H₀NH₀Cl₂ 	•	2H_0
	0.02		0.62	0.05		0.62
Mol. Wt. (kg/kmol)	190		6	167		36 00
Feed (kg/hr)	118		4	100		22.32

2. 2,5 DI-CHLORO PHENOL:

Di Chloro aniline reacts with sulphuric Acid to form Di Chloro aniline sulphate. Di Chloro aniline sulphate reacts with mix acid to form diazo mass. Diazo mass reacts with dilute sulphuric acid to form crude Di Chloro Phenol. This reaction will generate N₂ gas and dilute sulphuric acid. This dilute sulphuric acid will be purified and concentrated for recycle purpose. Crude Di Chloro phenol separate out and distilled to get Di Chloro Phenol.

Stochiometric reaction:

Di-chloro phenol:

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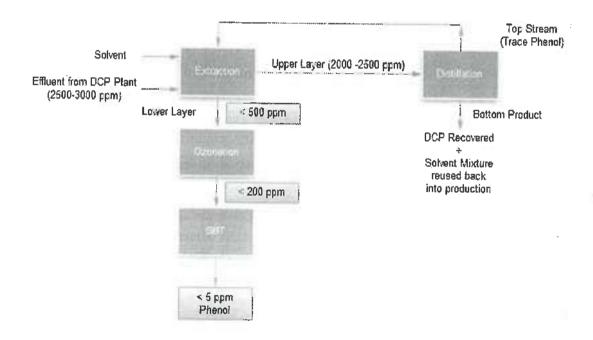
Page 2 of 10

C. KEY HIGHLIGHTS OF CLEANER PRODUCTION PRACTICES:

1. Phenol recovery from DCP(Di-cholorophenol) effluent with the use of extraction, distillation, ozonation and soil biotechnology

Phenol Recovery through extraction followed by distillation:

The phenol rich effluent is (2500-3000ppm) generated from the DCP (Di-cholorophenol) plant. The effluent is treated in the extraction column followed by the distillation column. The effluent is initially subjected to a distillation column to recover the phenol and bring down the phenolic content to<500ppm in the bottom of the column. The bottom of the Distillation Column i.e.recovered DCP+solvent mixture is reused back into the production. Top Stream is reused in Extraction Column.

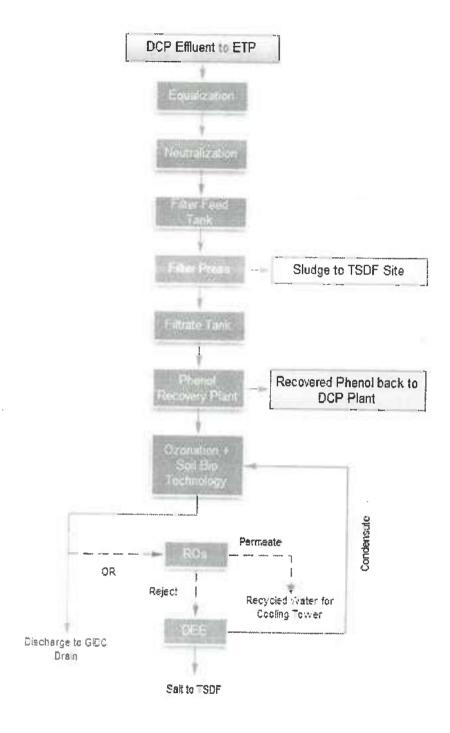


Treatment of phenol by ozonation followed by soil-biotechnology:

Ozonation is followed by the Extraction to further reduce down the phenolic content to <200 ppm. The outlet of the ozonation chamber is subjected to SBT plant that works on biological processes where effluent passes through different stages so as to degrade the assay and breakdown of organic components. Here the effluent is subjected to a series of layers containing bio cultures attached to binding media followed by filtration systems so as to achieve the phenol content in the treated water <5 ppm.

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The flowchart of effluent treatment is shown as below:



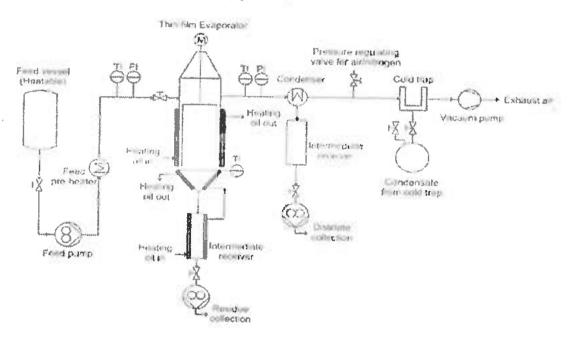
The aim of the Phenol recovery plant is to reduce the phenolic content from the DCP effluent (initial 2500-3000 ppm) by using solvent. Thus, in the vacuum distillation column followed by the atmospheric extraction column in the bottom part, they receive a 40:60 ratio as solvent: phenolic effluent. The recovered phenolic water is reused back into the process.

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2. DCA (Di-choloroaniline) recovery from distillation residue with the use agitated thin film evaporator (ATFE)

The residue generated from distillation of crude product to obtain pure product DCA is further subjected to Agitated Thin Film Evaporator (ATFE) where product is agitated in vertical Thin Film Dryer (ATFD-V). It rotates in a precision-machined jacketed shell with desired evaporation temperature at different stages.

The feed is converted into a thin film layer which is intensely agitated due to action of the high-speed rotor. The feed material goes through phases of slurry, paste and wet powder, before coming out as a dry powder.



Previously distillation of crude product was done to obtain pure product DCA (Dicholoroaniline) and residue generated was disposed through hazardous waste management. After adopting this technology, they are able to recover the desired product with required purity which can be directly used in a DCP plant as a raw material. By this methodology they are able to minimize up to 70% hazardous waste residue and reduce the carbon footprint while going ahead with conservation of environment.

They use only In-house produced DCA in the manufacturing of DCP production.

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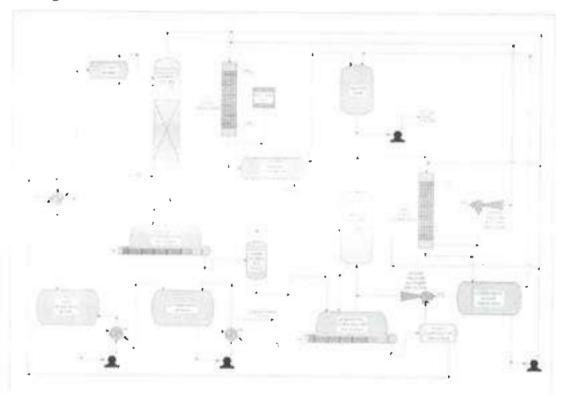
SURAT

Page 5 of 10

3. Reuse of 70% concentrated H_2SO_4 by increasing the concentration of H_2SO_4 by 90% through series of evaporation

In this process the concentration of H_2SO_4 is performed by the acid concentration units in 3 stages. The 90 % H_2SO_4 is used as raw material for the production of the DCP. Thus, the acid concentration plant is implemented for the concentration of H_2SO_4 from 70% to 90 %.

The Acid is fed into a flash vessel to stripping column where the mass is evaporated in 1st stage Evaporator. In this process the acid is concentrated by 80% from 70%. The 10% evaporation loss consists of organic contains which is recycled back in DCP (Di-cholorophenol) plant as well as aqueous contains which is reused back in the steam generation unit.



The 80% concentrated acid is transferred to the 2nd stage flash vessel where again it is evaporated in 2nd stage evaporator system. The Acid is concentrated up to 90% in this stage. The evaporated mass passed by the quenching column via 3rd stage condenser system. The condensed water is used back in the steam generation unit. In the 3rd stage the 90% H₂SO₄ is concentrated to 91-92% in the 3rd stage Vessel. The concentrated mass is transferred to the bleaching vessel by H₂O₂ in the intermediate vessel. The heating temperature in the flashing evaporator reaches 180°C. Where

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the heat is used back in the initial flash vessel 1^{st} phase process using the high temperature H_2SO_4 back in flash vessel 1^{st} stage, the concentrated acid is sent for bleaching by H_2O_2 in bleaching vessel for the acid purity up to 90%.

In the NSA plant at stage-I, 70% concentrated H_2SO_4 is fed in the column where top Column temperature is approx 110°C where H_2O & DCP (1400-1500 ppm) vapor is generated and at the bottom of the column 80%-85% Concentrated H_2SO_4 is collected which is transferred to the Stage-II.

In Stage II 80-85% Concentrated H_2SO_4 is fed in the column where top column temperature is approx 60° C where the H_2O Vapor is generated and at the bottom of the column is 88% - 90% Concentrated H_2SO_4 is collected which was transferred to the Stage-III.

In Stage III 88%-90% Concentrated H_2SO_4 is fed in the column where Moisture Stripper is available to absorb the moisture and the bottom column is 90% - 92% Concentrated H_2SO_4 is collected which is transferred to the tank farm 1

In this process, no emission was their whole process is in the close loop and the 90% - 92% Concentrated H_2SO_4 is further stored in the tank farm 1 whereas the H_2O collected in Stage I & II is also utilized in the plant for the Steam Generation and generated steam is returned to the DCP plant.

The Overall process is a continuous process in which it divided in two parts such as DCP crude product manufacturing (the fresh acid was consumed in this unit till the recovery process is started in SAC plant) and second is sulphuric acid concentration as a recovery of acid (SAC plant).

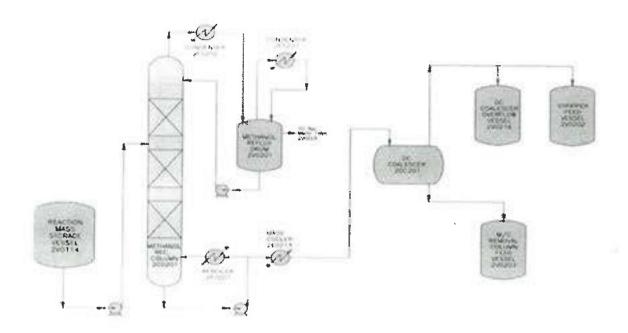
Only in the initial phase start-up of the process is required 2.98 Kg/Kg fresh H_2SO_4 is required to manufacture DCP crude (fresh consumption is up to 24 hours for the starting of the initial process). Afterward, the recovering process of Acid is started which is a continuous process, and in the end, the acid product is 90% H_2SO_4 which is a finished product.

4. Recovery of methanol from DCA obtained during 2,5-DCA production

Unit has provided a close loop solvent recovery system with an adequate condenser system to recover solvent vapors. The PFD of solvent recovery system is given as below:

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Page 7 of 10



Recovery of methanol from crude product (i.e., mixture of 2, 5 - DCA, methanol and water) is achieved by continuous distillation. In the distillation column, separation of components happens due to relative volatility. Here, a packed column is used for the recovery of methanol because it results in less pressure drop and the material separated is heat sensitive. The column is operated at atmospheric pressure. Methanol is obtained from distillate and collected in recovery vessel for further use in process.

The reaction mass storage vessel (2V0114) consists of solvent as media which is separated for the methanol recovery by distillation process in methanol recovery column (2C0201). To maintain the temperature as well as vapor equilibrium in the column further the methanol reflux process is done in the methanol reflux column via condenser system. The remaining methanol is transferred back to the recovered methanol recovery vessel.

The bottom product is processed for further separation units. Bottom of the distillation column is fed to DC Coalescer (Separation on different conductivity). It's a gravity settler work on basis of specific gravity and conductivity and separates two immiscible liquids into two separate layers. Water layer or top layer is separated and the bottom product is fed to the moisture removal column.

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In the moisture removal column, material is dried as per product specifications. A continuous vacuum is maintained inside the column by means of a Liquid ring Vacuum System. Material is circulated through a heat exchanger. As pressure decreases in the drier boiling point of water is reduced and removed through condensers. The final product is obtained from the bottom of the column and stored in a specific storage tank.

D. <u>Product recovery, reduction in effluent and hazardous waste</u> generation:

	nol + DCP mixture Recovery (ex acity)	pected at full
1.	Phenoi recovery, kg/Day	6600 Kg/Day
2.	Effluent reduction, kg/Day	6600 Kg/Day
DCA	Recovery (expected at full capa	city)
1.	DCA recovery, kg/Day	1968 kg
2.	Residue reduction, kg/Day	1968 kg
to 9	0%) -	
1.	Saving of H ₂ SO ₄ (against fresh consumption)	327 KL/Day
	Saving of H ₂ SO ₄ (against fresh	327 KL/Day 100%
1.	Saving of H ₂ SO ₄ (against fresh consumption)	
1.	Saving of H ₂ SO ₄ (against fresh consumption) % Saving of fresh H ₂ SO ₄	
2	Saving of H ₂ SO ₄ (against fresh consumption) % Saving of fresh H ₂ SO ₄ consumption	100%
 2 2. 	Saving of H ₂ SO ₄ (against fresh consumption) % Saving of fresh H ₂ SO ₄ consumption Acid reduction (for disposal),	100%
 2 2. 	Saving of H ₂ SO ₄ (against fresh consumption) % Saving of fresh H ₂ SO ₄ consumption Acid reduction (for disposal), kL/Day	100%

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E. Conclusion of the study:

- Out of total 180 kL/day effluent generation in a DCP production, the major COD contributing component, i.e., phenol recovered in the tune of 6.6 kL/day. Thus, 6.6 kL/day effluent load reduces and subsequently COD load is reducing.
- 2. DCA production resulting to generation of 5.04 MT residue as a hazardous waste. With the introduction of ATFE, 2.5 MT DCA recovered. Thus, 2.5 MT hazardous waste generation reduced. Now, industry has to dispose of 2.54 MT hazardous waste instead of 5.04 MT waste.
- 3. Industry is recovering 446.3 kL/day concentrated Sulphuric acid (70%) from DCP production. With the use of series of evaporation system, concentration of sulfuric acid increases to 90% and reutilized for the process. Thus, industry has reduced fresh consumption of 90% sulfuric acid (357 kL/day). Out of total 357 kL 90% sulfuric acid, 323 kL utilized for process and 34 kL sell to market.
- 4. In the manufacturing of DCA, generation of waste stream (12.398 kL/day) consist of mainly methanol. The methanol recovered in the tune of 5.998 kL/day and rest of (6.4 kL/day) treated in existing ETP. Industry is in process to recover traces of methanol from 6.4 kL/day waste stream.

NOTE: Conclusions are based on the detail provided by industry representative. The basis for certain calculations were done at 100 % operational capacity of products.

Date: 04/04/2022

	Dr. Yogesh Rotliwala Ph.D. (Chemical Engg.), Chemical Engineer	Carin
Dr. Y. C. Rotliwala	Dr. Hiral Tailor Ph.D. (Chemistry), Chemist	The Cun
(Principal)	Dr. Himanshu Patel Ph.D. (Chemistry), Chemist	H.D. Pal
	Ms. Nidhi Halbe M.E. (Env.Engg.), Environmental Engineer	GAD

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GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382010

Phone: (079) 23222425

(079) 23222152

Fax: (079) 23232156

Website: www.gpcb.gov.in

Application For CTE after EC

File No: GPCB/ (PCB ID. - 58381)

CTE-62296

To,

M/s. Aarti Industries Limited,

, Plot No. Z/103/C, \r\n, Dahej SEZ II,,

City:Lakhigam, Dist:Bharuch, Taluka:Vagra

Sub: Consent to Establish (After obtaining Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981.

Ref: (1) Your online application No. 276096 dated 10/03/2023

(1) Environment Clearance issued by State Authority vide their letter no. EC23B021GJ111578 Dated 15/02/2023

Sir,

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants Consent to Establish (After obtaining Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981 for manufacturing of products as mentioned into the Environment Clearance (EC) granted vide letter under reference no (2) above.

Consent To Establish Is Granted Subject To The Following Conditions: -

- 1) The validity period of this CTE shall be Seven Years from the issue of this order.
- 2) Applicant shall strictly comply with all conditions stipulated by competent authority in the order of Environment Clearance issued vide letter under reference No.; 2, above.
- 3) The applicant shall however, not without the prior concern of the Board. Bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the water Act 1974, the Air 1981 and the Environment (Protection) Act 1986.



For and on behalf of Gujarat Pollution Control Board

M.U.PATEL
ROH Head - Bharuch

This order is issued to <u>Plot No. Z/103/C, \r\n, Dahej SEZ II,, City:Lakhigam, Dist: Bharuch, Taluka:</u>

<u>Vagra (58381)</u> for CTE amendment after obtaining EC.

Printed On: 31/03/2023 Page 1 of 1 GPCB ID: 58381





POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	_ ;	M/SAARTI INDUSTRIES LTD.			<u> </u>
		nsured's Details		lss	suing Office Details
Customer ID	. :	PO18635610	Office Code		C.D.U III (120300)
Address	;	71, UDYOG KSHETRA, 2ND FLR. MULUND-GOREGAON, LINK ROAD, MUMLUND, MUMBAI	Address		NEW INDIA CENTRE, 2ND FLOOR, 17- A,COOPERAGE ROAD
		MUMBAI MAHARASHTRA, 400080			.400001
Phone No	_ ;		Phone No	:	02222885563 / 02222892189
E-mail/Fax	!	info@artiindustries.com, /	E-mail/Fax	:	nia.120300@newindia.co.in / 02222823058
PAN No	:	AABCA2787L	S.Tax Regn. No	:	AAACN4165CST178
GSTIN/UIN	<u>:</u>	27AABCA2787L1ZC / NA	GSTIN		27AAACN4165C3ZP
	:		SAC	:	997139 (Other non-life insurance services excl RI)

Policy Details										
Policy Number	<u>:</u>	12030036223300000011	Business Source Code							
Period of Insurance	;	From: 09/01/2023 12:00:01 AM To: 08/01/2024 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User	:	Prudent Insurance Brokers Pvt. Ltd (2D10077353) Prudent Insurance_120300 - (SI00243194)					
Date of Proposal	:	09-Jan-23	Agent/Bancassurance/S pecified Person	:						
Prev. Policy no.	:	12030036213300000010	Phone No	:	NA / NA					
Client Type	:	Corporate	E-mail/Fax		navin.shanbhag@prudentbrokers.com,					

Premium(₹)	ERF Premium(₹)	G5T(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
10383	10383	1868	22634	RUPEES TWENTY-TWO THOUSAND SIX HUNDRED THIRTY-FOUR ONLY	1203008122000000226 0 - 09/01/23

Details of risk covered under current year policy:

Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductible S No of workmen	No of Other Employee
09/01/202 0	<= 15 Crore	57	50000000	1:3	15000000		44081900 000	3435	3013

Retroactive Dates

Retroactiv e Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibl es No of workmen	No of Other Employee
RETROA CTIVE DATE 1	09/01/20 20	<≂15Cro re	57	5000000	1.3	1500000 00	4408190 0000		3435	3013

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension Sub Limit of the Extension Deductibles of the Extension

Signature valid Digitally star of by 0.5AF TYEE PANISATIVII Date 2.5 01 09

Policy No.: 12030936223300000011 Document generated by 40245 at 09/01/2023 12:16:22 Hours.

Regd. & Head Office: New India Assurance Bidg., 87 M.G. Road, Fort, Mumbai - 400 001, TOLL FREE No. 1 800 209 1415.

THE NEW INDIA ASSURANCE CO. LTD. (Government of India Undertaking)



Special Conditions	AS PER PUBLIC LIABILITY ACT POLICY WORDING.				
	NA				
Special Exclusions	NA				
Special Excess/Deductible	1000				
Retroactive Dates		Date			
Retroactive date			09/01/2020		

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	Descrip	tion	
Premium and GST Details			
	Rate of Tax	Amount in INR	
Premium		₹ 20766.00	
6GST	9	934	
GST	g	934	
GST .	0	a	

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 09th day of January,2023.

The New India Assurance Company Limited

Date of Issue: 09/01/2023

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank______ Dt._____consolidated Stamp Fees Paid by Pay Order Number_______vide receipt number_______ dt.______.

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C



दि न्यू इंडिया एशुरेंस कंपनी लिमिटेड

मंडल कार्यालय 120300, न्यू इंडिया सेंटर, दूसरा माला,17-ए, कूपरेज रीड, मुंबई - 400039 THE NEW INDIA ASSURANCE CO. LTD.



DO-120300, New India Centre, 2nd Floor, 17-A, Cooperage Road, MUMBAI-400039 Tel: 022-22892729/38/40/41/43/48/49, 22882189. Fax: 022-22823058.

To be attached and forming part of policy no 12030036223300000011

	Plant type	Location
ACID	Chemical	PLOT NO. 801-23, TO 802,803,804/1-2-3, 15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
Alchemie Organics	Chemical	PLOT NO. 902 923 PHASE-III, G.I.D.C, VAPI, DIST VALSAD, VAPI 396195
AMINE (DRY TECH DIVISION)	Chemical	285,286/1 A 322 12 23 24 NA 40SHED AREA GIDC PHASE II DIST- VALSAD, VAPI 396195
APPLE ORGANICS (Apple Interm)	Chemical- (Laghu)	PLOT NO. 610 609 ,100,SHED AREA, GIDC , VAPI, VALSAD 396195
Baroda office	Chemical	Block number 1, 3rd floor, R S No 3, Keval Corporate Park, Village channi, Baroda-390002
DAHEJ	Chemical	PLOT NO Z-103/H SEZ-II, DAHEJ, TAL- VAGRA, DIST - BHARUCH392130,NA,GJ1414,DAHE J, GJ,GUJARAT, INDIA, 392130.
DAHEJ- DIAMOND	Chemical	AARTI INDUSTRIES LTD, PLOT NO - Z 111 B, DAHEJ, SEZ-II,TAL VAGRA, DIST. BHARUCH-392130
DAHEJ-SAFRON	Chemical	AARTI INDUSTRIES LTD, PLOT NO - Z103/C, DAHEJ, SEZ-II,TAL VAGRA, DIST. BHARUCH-392130
	Office-(Laghu)	71, UDYOG KSHETRA, 2ND FLOOR, MULUND-GOREGAON LINK ROAD, MULUND[W]400080,NA,MH013,MUMBAI, MH,MAHARASHTRA, INDIA, 400080.
HO Vikhroli	OFFICE	Tower C, 4th Floor, Embassy 247, Lal Bahadur Shastri Rd, Gandhi Nagar, Vikhroli West, Mumbai, Maharashtra 400079
VIKNYOII	Office	PLOT NO.758/1,2 & 3,GIDC JHAGADIA,NA,GJ1749,JH AGADIA, GJ,GUJARAT, INDIA, 393110
		PLOT NO. 756-4A, B/5A,B/6/7 ,779,GIDC, JHAGADIA393110,NA,GJ1749,JHAG ADIA, GJ,GUJARAT, INDIA, 393110
		UNIT-2, PLOT NO 7562A,B/3A,B GIDC JHAGADIA,DISTBHARUCH 393002,GUJARAT,GJ1891 ,ANKLESHWAR GIDC, GJ,GUJARAT, INDIA, 393002.
Jaghadia (Pearl,Ruby, Jade)	Chemical	PLOT NO. 756-2A, B/3A,B, GIDC, JHAGADIA 396110,NA,GJ1539,Bigri, GJ,GUJARAT, INDIA, 396110
Jaucy		SURVEY NO. 1430/1, NATIONAL HIGHWAY NO. 8-A, KUTCH BHACHAU, GUJARAT370140,NA,GJ796,BHACHAU, GJ,GUJARA
Kutch	Chemical	INDIA, 370140

रिज. प्रधान कार्यालयः न्यू इंडिया एश्योरेंस कं. लि.,87, महात्मा गांधी रोड, फोर्ट, मुंबई 400001, टोल फ्री:1800 209 CIN NOL66000MH1919G01000526



दि न्यू इंडिया एशुरेंस कंपनी लिमिटेड

मंडल कार्यालय 120300, न्यू इंडिया सेंटर, दूसरा माला. 17-ए, कूपरेज रोड, मुंबई - 400039 THE NEW INDIA ASSURANCE CO. LTD.



DO-120300, New India Centre, 2nd Floor, 17-A, Cooperage Road, MUMBAI-400039 Tel: 022-22892729/38/40/41/43/48/49, 22882189, Fax: 022-22823058.

NASCENT	Chemical	PLOT NO. 24, PHASE-I, G.I.D.C., DIST. VALSAD, VAPI 396195
Nutrient	Chemical- (Laghu)	PLOT NO. 802,803,804/12-3, 801/15 TO 19, 21 AND 22 PHASE- III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI396195.,GJ1786,VAPI I E, GJ,GUJARAT, INDIA, 396195.
R & D MHAPE/Turbe	Chemical	PLOT NO A-94/1 MIDC , TTC IND AREA, NAVI MUMBAI - DIST THANE
R & D VAPI - Organic	Chemical- (Laghu)	PLOT NO. 802,803,804/12-3, 801/15 TO 19, 21 AND 22 PHASE- III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195
SSP Fertiliser	Chemical	PLOT NO. 801/15, TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE, VAPI 396195
TARAPUR UNIT	Chemical	TARAPUR UNIT-2,PLOT NO.L-5,L-4,L-8,L-9/1,MIDC TARAPUR,BOISAR,THAN E,NA,MH1379,TARAPUR I A, MH,MAHARASHTRA, INDIA, 401506.
Vapi Unit - Organic	Chemical	PLOT NO. 801-23, TO 802,803,804/1-2-3, 15 TO 19, 21 AND 22 PHASE-III, G.I.D.C. ,INDUSTRIAL ESTATE,VAPI 396195

THE NEW INDIA ASSURANCE CO. LTD. (Government of India Undertaking)





ADJUSTMENT VOUCHER

Issuing Office

: C.D.U.III (120300)

Addresa

: NEW INDIA CENTRE, 2ND FLOOR, 17-A, COOPERAGE ROAD

40D001 MUMBAI

Insured Pan Number

: AABCA2787L : 02222885583

Phone Email

nia.120300@newIndia.co.in

Fax

Collection Number

02222823058

Collection Date

: 12030081220000002260 : 09/01/2023

Business Source Code PAN No of Payer

: 2D10077353 : AABCA2787L

Received with thanks from M/S..AARTI INDUSTRIES LTD.

The amount received/Adjusted is towards -

Policy No.	A/C Description	Amount₹	A/C Code	Sub A/C Code
12030036223300000011	Scroll-120300	22634.00	5081.120300	

Total = ₹ 22634.00

Your Payment/Adjustment Details are as under -

Mode	Amount ₹	Cheque No.	Cheque Date	Drawee Bank	Drawee Branch	Reference No.	Scroll/BG/A PD Balance
Scroll	22634.00	2312202 2	23-DEC-22	HDFC BANK LTD.	MUMBAI	1203002210011414	0.00

Total = ₹ 22634.00

Utilization details of the Collected Amount:

Premium		GST		Stamp Duty	Ex	cess Amount	
20766.00		1868.00		0.00	c		
St no.	Agency Code		Agency Name		Dep	artment Code	
1	NA AN		PRUDENT INSURAL	NCE BROKERS PVT. LTD.	36		

For The New India Assurance Company Limited

Date of Issue: 09/01/2023

Cashier's Initial

Authorized Signator,

Note -

1.Please note the Policy Number, Collection Number and date in all future correspondence.

2.NIA shall not be liable for any claim arising out of sales made during the period between the due date and date of payment of the installment if the premium paid has been exhausted by turnover declarations/if there is insufficient premium balance.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 12030022E0003327

IRDA Registration Number: 190 NIA PAN NUMBER: AAACN4165C

Signature valid

Policy No.: 12030036223300000011 Document generated by 40245 at 09/01/2023 12:00:53 Hours. Regd. & Head Office: New India Assurance Bidg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.



THE NEW INDIA ASSURANCE COMPANY LIMITED

Registered & Head Office- 87, M.G. Road, Fort, Mumbai-400001,

LIABILITY INSURANCE POLICY

(UNDER PUBLIC LIABILITY INSURANCE ACT 1991) UIN No.- IRDAN190P0076100001

1. OPERATIVE CLAUSE

Whereas the Insured Owner named in the schedule hereto and carrying on business described in the said schedule has applied to THE NEW INDIA ASSURANCE Company Limited (hereinafter called the Company) for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contribution towards the Environment Relief Fund as per the provisions of the Public Liability Insurance Act and the rules framed thereunder.

NOW THIS POLICY WITNESSETH that subject to the terms, exceptions and conditions herein or endorsed hereon, the company will indemnify the insured owner against the statutory liability arising out of accidents occurring during the currency of the policy due to handling hazardous substances as provided for in the said Act and the Rules framed thereunder.

2. **DEFINITIONS**:

- a) "ACT" unless otherwise specifically mentioned shall mean the Public Liability Insurance Act 1991 as amended from time to time.
- b) "Accident" means an accident involving a fortuitous, sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radioactivity.
- c) "Handling" in relation to any hazardous substance means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance:
- d) "Hazardous Substance" means any substance or preparation which is defined as hazardous substance under the Environment (protection) Act, 1986, and exceeding such quality as may be specified by notification, by the Central Government.
- e) "Owner" means a person who owns or has control over handling any hazardous substance at the time of accident and includes:
 - i) in the case of a firm any of its partners
 - ii) in the case of an association, any of its members, and
 - iii) in the case of a company, any of its directors, managers, secretaries or other officers who is directly in charge of, and is responsible to the company for the conduct of the business of the company.

f) "Turnover" shall mean

- i) Manufacturing units-Annual Gross Sales of all goods including all levies and taxes.
- ii) Godowns/warchouse owner-Total Annual rental receipts.
- iii) Transport Operators-Total Annual freight receipts.
- iv) other-Total Annual gross receipts.

3. EXCLUSIONS:

This Policy does not cover liability:

- (1) arising out of willful or intentional non compliance of any Statutory provisions.
- (2) in respect of fines, penalties, punitive and/or exemplary damages.
- (3) arising under any other legislation except in so for as provided for in Section 8 Sub Section (1) and (2) of the Act.
- (4) in respect of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured Owner's control, care or custody.
- (5) directly or indirectly occasioned by happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection or military or usurped power.
- (6) directly or indirectly caused by or contributed to by.
- (a) ionising radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel.
- (b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.

4. CONDITIONS:

- (1) The Insured owner shall give written notice to the Company as soon as reasonably practicable of any claim made against the Insured Owner or of any specific event or circumstance that may give rise to a claim. The Insured Owner shall immediately give to the Company copies of notice of applications forwarded by the Collector and all such additional information and or assistance that the company may require.
- (2) No admission, offer, promise pr payments shall be made or given by or on behalf of the Insured owner under this policy without the written consent of the Company.
- (3) The Company shall not be liable for any claim for relief made after five years from the date of occurrence of the accident.
- (4) The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.
- (5) If the time of happening of any accident resulting in a claim under this policy there be any other insurance covering same liability, then the Company shall not be liable to pay or contribute than its ratable proportion of such liability.

- (6) This policy may be canceled by the Insured Owner by giving 30 days notice in writing to the company in which event the Company will retain premium at short period scale subject to there not having occurred an accident during the policy period which may give rise to a claims (s), failing which no refund of premium shall be allowable.
- (7) This Policy may also be canceled by the Insurer by giving 30 days notice in writing to the Insured Owner in which event the Company shall be liable to repay on demand a ratable proportion of the premium for the unexpired term from the date of cancellation.
- (8) If the Company shall disclaim liability to be Insured Owner for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a competent court of law, then the claim for all practical purposes shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be made the subject matter of any suit.
- (9) The Company shall not be liable to make any payment in respect of any claim if such claim shall be in any manner fraudulent or supported by any person on behalf of the Insured owner and/or if the insurance has been continued in consequence of any material misstatement or non disclosure of any material, information by or on behalf of the Insured Owner. In such a case if the Company pays any amount to the claimant due to any statutory provision such amount shall be recoverable from the Insured Owner.
- (10) The Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed thereunder of this Policy shall bear such specific meaning.
- (11) Any dispute regarding interpretation of the terms, conditions and exceptions of this Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.
- N.B. IN THE EVENT OF DISHONOUR OF PREMIUM CHEQUE THE POLICY AUTOMATICALLY STANDS CANCELLED AS FROM INCEPTION.

10 yrs on, widow to get death certificate after HC order



marriage certificates

Photos for

Verification loophole behind spurt in fake billing scams?



THE YEAR'S OF NOVA, IN-HURTHARDS

Man denied pre-arrest bail

Brothers



NDDB Mrida ties up with Sistema.bio to help farmers

Nurse conned out of laptop, phone and t30k cash

Notice on teachers' pay cut recalled



Why is Modi government scared of



'Rape survivor can abort foetus at her own risk'

TIMES APPOINTMENTS

we veeint

VADODARA

જંબુસર તાલુકાના કાવી કંબોઈ સ્થિત

સ્તંભેશ્વર તીર્થે રાજયના ગૃહમંત્રી

હર્ષ સંઘવીએ યજ્ઞમાં ભાગ લીધો

વાહન પાર્કિંગની સુવિધાઓનું નિર્માણ કરવાની સખત જરૂરિયાત

નેત્રંગમાંવાહનપાર્કિંગનીસુવિધાના અભાવે ટ્રાફ્કિક જામની સમસ્યા

બજારમાં ખરીદી અર્થે આવતા લોકોને રસ્તા પર વાહન પાર્ક કરવા પડે છે

નેત્રંગમાં વાહન પાર્કિંગની સુવિધાના અભાવે વાહનચાલકોની બદ્દતર હાલત થઇ જવા પામી છે,

નેત્રંગ તાલુકાની ગણના મુખ્ય વેપારી મથક તરીકે થાય છે. જેમાં નેત્રંગ ગામમાં મુખ્યત્વે જવાહર બજાર, ગાંધી બજાર, જીન બજાર અને ચારરસ્તા ઉપર પાનના ગલ્લાઓ, કપડા, અનાજ-કરીયાણા, ઇલેટ્રોનિકસની દુકાનો અને ઠેર-ઠેર ફ્ળો-શાકભાજીની લાળીઓ જીવનજરૂરીયાતની ચીજવસ્તુની દુકાનો આવેલી છે. વહેલી સવારથી નેત્રંગ ટાઉન સહિત તાલુકાભરના ૭૮ ગામમાં વસવાટ કરતાં લોકોની બજારમાં કોઇપણ પ્રકારના કામ સહિત ખરીદી અર્થે સતત અવર-જવર રહેતી હોય છે. જેમાં બજારમાં આવતા લોકો મુખ્યત્વે પોતાના માલીકીના ખાનગી વાહનનો

ઉપયોગ કરતા હોય છે. જેથી



સુવિધાના અભાવે વાહનચાલકોને મજબુરીમાં રસ્તા ઉપર જ વાહન મુકવા પડે છે. જેથી સતત ટ્રાફ્કિની સમસ્યાઓ ઉદભવતા વાહનચાલકો અને સ્થાનિક રહીશોની બદતર થય જાય છે.

જ્યારે બીજી બાજુએ નેત્રંગના ગાંધી બજાર વિસ્તારમાં સપ્તાહમાં એક દિવસ એટલે કે મંગળવારના દિવસે હાટ બજાર ભરાય છે. જેમાં ખુબ જ મોટી સંખ્યામાં ગૃહિણીઓ, આમ પ્રજા સહિત નાના-મોટા વેપારીઓ વેપાર અર્થે આવતા હોય છે. જે

નેત્રંગમાં વાહન પાર્કિંગની દિવસે સમગ્ર નેત્રંગ ટાઉનમાં ભારે ટ્રાફ્કિક સમસ્યા વકરે છે. જેથી સ્થાનિક રહીશોને ભારે હાલાકી વેઠવી પડતી હોય છે. જ્યારે પોલીસતંત્રની પણ સુડી વચ્ચે સોપારી જેવી સ્થિતિ જણાય રહી છે, જેમાં નેત્રંગ ચારરસ્તા ઉપર ટ્રાફ્કિ વિભાગના પોલીસ કર્મચારી ટ્રાફ્કિક સમસ્યાના નિવારણ ભારે જહેમત ઉઠાવતા

હોય છે.પરંતુ વાહન પાર્કિંગની

સુવિધાના અભાવે વાહનચાલકો

પણ ક્યા પાકિંગ કરે તે એક વિકટ

પ્રશ્ન છે ? ત્યારે સમસ્યાનો ઉકેલ

લાવવા માંગ ઉઠી છે.

દક્ષિણ ગુજરાતના સોમનાથથી સુવિખ્યાત જંબુસર તાલુકાના કાવી કંબોઈ સ્થિત સ્તંભેશ્વર મહાદેવ તીર્થ ખાતે રાજયના ગૃહમંત્રી હર્ષ સંઘવી એ મુલાકાત લઈ સ્તંભેશ્વર મહાદેવ ના દર્શન કરી મહા રૂદ્રી યજ્ઞમા ભાગ લીધો હોવાના સમાચાર પ્રાપ્ત થયા છે. દક્ષિણ ગુજરાતના સોમનાથ થી સુવિખ્યાત જંબુસર તાલુકા ના કાર્વી કંબોઈ સ્થિત સ્તંભેશ્વર મહાદેવ તીર્થ ખાતે મહાશિવરાત્રી પર્વને અનુલક્ષી ને

> આવેલ છે. આ યજ્ઞમા ભાગ લેવા તથા સ્તંભેશ્વર મહાદેવજીના દર્શન પૂજન અર્ચન અર્થે રાજયના ગૃહમંત્રી હર્ષ સંઘવી આજરોજ પંધારતા સ્તંભેશ્વર તીર્થના પ.પૂ ભાગ લેવા રવાના થયા હતા.

મહારૂદ્રી યજ્ઞ નુ આયોજન કરવામા

વિદ્યાનંદજી મહારાજે ગૃહમંત્રી હર્ષ સંઘવીનુ સ્વાગત કરી સ્મૃતિ ચિન્હ અર્પણ કર્યુ હતુ. ત્યાર બાદ ગૃહમંત્રી સ્તંભેશ્વર મહાદેવજીના દર્શન અર્થે પહોચ્યા હતા. જયા સ્તંભેશ્વર મહાદેવ ના દર્શન કરી પુજન અર્ચન કરી ધન્યતા અનુભવી હતી. બાદ મા મહાશિવરાત્રી પર્વ ને અનુલક્ષી ને ચાલી રહેલ મહા રુદ્ર યજ્ઞમા ભાગ લઈ ને પુજન કર્યુ હતુ. આ પ્રસંગે ગૃહમંત્રી હર્ષ સંઘવી સાથે જીલ્લા ભાજપ પ્રમુખ મારુતિસિંહ અટોદરીઆ, જીલ્લા પંચાયત બાંધકામ સમિતિ ચેરમેન ધર્મેશભાઈ મિસ્ત્રી, ધારાસભ્ય ડી. કે. સ્વામી, સહિતના આગેવાનો આવ્યા હતા. ત્યારબાદ ગૃહમંત્રી જંબુસર ખાતે ધારાસભ્ય જનસંપર્ક

કાર્યાલયના ઉદ્દઘાટન સમારોહમા

જંબુસર ખાતે ધારાસભ્યના કાર્યાલયનું ઉદ્ઘાટન

જીતનગરથી રૂા. ૬૬,૮૦૦ નાં ચોરીના લોખંડના સળિયા સાથે ત્રણ ઝડપાયા

ગામમાંથી ચોરીના લોખંડ સળીયા સાથે ત્રણ ઇસમોને પોલીસે પકડી

જીતનગર બારફળીયા ગામે કેટલાક ઇસમોએલોખંડના સળીયાઓ છુપાવી રાખેલ છે. જેથી (૧) શરાદ પુનીયાભાઈ વસાવા રહે,જીતનગર બારફ્ળીયા તા,નાંદોદ જી.નર્મદાના ઘરની

अरक्टार : नर्रामणान अडल्स्यान घराव्य हिन्दुहरू सामाचाला : तताव्यी इम मंत्री (आम पंच्यावत पालेक)

वादि लोटीसे अहेरजान पश्चना राज डिपिजनत भेषिरट्रेट (नायज इतेइटर)

આથી જાહેર જનતાને નોરિસ આપી જણાવવાનું કે, ઉપરોક્ત કામના અરજદારે તેમના પિતા નામેં

અકબરખા ઈબ્રાફિમમાં પ્રકાશનું મરણ તો.૪-૭૫-૧૦૮૭ ના સેજ પાલેજ, તા.છ.ભરૂચ મુક્તમે થવેલ છે. જેની મરણની નોંધણી ગ્રામ પંચાયત પાલેજમાં જન્મ-મરણ રજીસ્ટામાં થવેલ ન

હોવ,તે બાબતની અરજી અત્રેની કોર્ટમાં સામાવાળા અરજદારના પિતાના જન્મ ચરદાના રજીસ્ટરમાં દાખલ કરે તેવી દાદ અંગેલ છે જેની સામે કોઈએ કોઇપણ પ્રકારનો વાંધો હોય તો દિન-૩૦ માં

જાતે અથવા પ્રતિનિધિ મધકતે સગર રહી વાંધો રજૂ કરવા અને જો તેમ નહીં કરવામાં આવે તો નિયમોનુસાર આગળની કાર્યવાહી કરવામાં આવશે જેની નોંધ લેશો.

સહી/-એસ.આઇ.પટેલ (એકવોકેટ) મો.૯૮૨૪૫૭૫૩૧૪

જાહેર નોટીસ

આથી અમો એડલોકેટ કિશોરભાઇ જે. ધંચાલ રહે. રાજપીયલા તા. નાંદોદ જી. નર્મદાનાં આથી

જાહેર નોટીસ આપી જણાવીએ છીએ કે મોજે ગામ, લાછરસ, તા. નાંદોદ, જી. નમંદાની સીમના

ખાતા નં. ૮૦૭, જુનો સર્વે નં. ૪૭૨, નવો સર્વે નં. ૨૭૨, ક્ષેત્રક્ષ્ય : ૦-૨૨-૪૯, આકાર રા.

૮.૧૫ વાળી જમીન બાબતે અમારા અસીલ શ્રી પટેલ અનિતાબેન શંકરબાઇ નાઓએ સદર

જમીનના માલિક આરોટ પતાપસંત્ર કતેસંત્ર, રહે. લાઇરસ, તા. નોદોદ, જી. નર્મદા નાઓ

પાસેથી વેચાય રાખવા માંગતા હોય અમારી ધાસેથી સદર જમીનની ટાઇટલ ક્લીધરન્સ

સટીકીકેટની માંગણી કરતા સદર જમીનમાં કોઇપણ વ્યક્તી, પેડી, ઇસમ, સંસ્થા કે અન્ય કોઇ

પણ વ્યક્તિનો કોઈપણ પકારનો હકહિત, અધિકાર, લાગ-ભાગ સમાયેલ હોવ તો તે અંગેનો

લેખિત દસ્તાવેજી પુરાવા સહિત લેખિત વાંધો દિન-૭માં અમારી રૂખરૂ રજૂ કરવું. દિન-૭ ખાદ

કોઈપલ પક્ષરનો વોધો કે તકરાર આવશે નહિં તો ત્યારબાદ અમો અમારા અસીલને સદર જમીનનાં ટાઇટલ ક્લીયરન્સ સટીકીકેટ કાઢી આપીશું, ત્યારબાદ કોઇપણ વ્યક્તિની કોઇપણ

નર્મદા જિલ્લાના નાંદોદ તપાસ કરતા તેના ઘરેથી અલગ તાલુકાના જીતનગર બારફ્ડિયા અલગ કંપનીના લોખંડના સળીયા

પશ્ચિમી સંસ્કૃતિને અપનાવવાથી આજની ભારતીય સંસ્કૃતિને આપણે દિવસે ને દિવસે ભૂલી રહ્યા છીએ. તથા ધરમ ચીમનભાઈ વસાવા રહે.જીતનગર બારફ્ળીયા તા આપણા બાળકો આપણી ભારતીય સંસ્કૃતિને સમજે, સંસ્કૃતિનું જતન કરે, સંવર્ધન કરે તે ઉદ્દેશ્યથી ૧૪ .નાંદોદ ઘરેથી લોખંડનાં સળીયા ફેબ્રુઆરીના રોજ પી.પી. સવાશી સ્કૂલ, ગાર્ડનસિટી

મળી કુલ રૂ.૬૬,૮૦૦ નો મુદ્દામાલ કબજે લઈ શરાદ પુનિયભાઈ વસાવા,શૈલેષ નટુભાઈ વસવા તથા ધરમ ચીમનભાઈ વસાવા.રહે. જિતનગર બારફળિયાને પકડી કાયદેસર કાર્યવાહી કરી છે.

દેડિયાપાડા ખાતે કારકિર્દી માર્ગદર્શન શિબિર યોજાઈ

વડિયા ગામે નવા આરોગ્ય કેન્દ્રની

માગ સાથે ગ્રામજનોનું આવેદનપત્ર

નાંદોદના વડિયા વસ્તી ૪૦૦૦ જેટલી છે,

સોસાયટીઓ વધતા દિન પ્રતિદિન વસ્તી વધી રહી છે અને વર્ષોથી વડિયા ગામ લાછરસ પ્રાથમિક આરોગ્ય

કેન્દ્રમાં આવતું હોય કોઈ પણ આરોગ્ય લક્ષી કામગીરી હોય તો લાછરસ જવું પડે છે અને આ ગામ ૧૦ કિમિ જેવું દૂર છે. લોકો રાજપીપળા ખાનગી

દવાખાનાઓમાં જવાનું વધુ પસંદ કરે છે અથવા સિવિલ હોસ્પિટલ માં જાય તો આખા જિલ્લાના લોકો અને ભીડ ઘણી હોય છે. તો સંખ્યાની દ્રષ્ટ્રીએ વડિયા

ગામને અલગ પ્રાથમિક આરોગ્ય કેન્દ્ર મળે તો

બાળકો, વૃધ્ધો નું તરત નિદાન થઈ શકે એ માટે

વડિયા ગામના સરપંચ બિંદિયાબેન વસાવા, ઉપ

સરપંચ વિરેન્દ્રસિંહ સુણવાએ આરોગ્ય કેન્દ્ર માટે

ઝઘડિયા ખાતે મુખ્યમંત્રીની

મુલાકાતને લઇ બેઠક યોજાઇ

ગુજરાતના મુખ્યમંત્રી ભરૂચ જિલ્લાના ઝગડીયા

પાસે દિવ્યાંગો માટેના વૃધ્ધાશ્રમનું ખાતમુર્હત-

લોકાર્પણ કરવાના છે. જેને અનુલક્ષીને આજે

ઝગડીયા ખાતે કલેકટર તુષાર સુમેરાએ સ્થળ

મુલાકાત લઈને સમીક્ષા બેઠક યોજાઈ હતી. જેમાં

કલેકટરે મુખ્યમંત્રીના કાર્યક્રમ સંદર્ભે વહીવટી તંત્ર

દ્વારા કરવામાં આવેલી તૈયારીઓ અંગે

અધિકારીઓ-પદાધિકારીઓ સાથે ચર્ચા કરી જરૂરી

સુચનો અને માર્ગદર્શન આપ્યુ હતુ. કાર્યક્રમના

સુચારૂ વ્યવસ્થાપન, સ્થળ, સુરક્ષા, પાર્કિંગ વગેરેને

લઈને સંબંધિત અધિકારીઓ સાથે ચર્ચા સાથે

અંકલેશ્વરની પી.પી. સવાણી સ્કૂલમાં

માતૃપિતૃ વંદના કાર્યક્રમની ઉજવણી

આપણી આગવી ઓળખ છે. માતા પિતાનું પૂજન

કરવું, તેમની સેવા કરવી, આજ્ઞાનું પાલન કરવું,

આદેર કરવો એ આપણી સંસ્કૃતિનું અભિન્ન અંગ છે.

અંકલેશ્વરમાં માતૃ પિતૃ વંદના કાર્યક્રમનો આયોજન

કરવામાં આવેલું. માતા પિતાનું પૂજન કરી પોતાની

લાગણી, પ્રેમ અને અહોભાવ વ્યક્ત કર્યો હતો. આ

કાર્યક્રમમાં ૪૦૦ થી વધુ માતાપિતા દાદા દાદીઓએ

ઉત્સાહભેર ભાગ લીધેલો હતો.

ભારતીય મૂલ્યો, સંસ્કારો અને સંસ્કૃતિએ

જરૂરી સુચના આપી હતી.

આગામી તા.૧૯ ફેબ્રુઆરી રવિવારના રોજ

ધારાસભ્યને રજૂઆત કરી છે.

નર્મદા જિલ્લા રોજગાર કચેરી અને સર્વ શિક્ષા અભિયાનના સંયુક્ત ઉપક્રમે દેડિયાપાડા તાલુકાના ડુમખલ સરકારી માધ્યમિક શાળા ખાતે કારકિર્દી માર્ગદર્શન સેમિનાર યોજાયો હતો. રોજગાર અધિકારી એમ.એસ.પટેલના માર્ગદર્શન હેઠળ જિલ્લા રોજગાર કચેરીના કેરિયર કાઉન્સલર પ્રકૃતિબેન વસાવા આ પ્રસંગે બાળકોને સમાજના ઝડપી વિકાસ માટે બાળકોને શિક્ષણનું મહત્વ સમજાવતા ઉમેર્યુ કે, શિક્ષણમાં ઘણી તાકાત રહેલી છે, શિક્ષિત વ્યક્તિ પોતાની સાથે સમાજમાં પણ સકારાત્મક પરિવર્તન લાવવા સક્ષમ બને છે. શિબિરમાં બાળકોને વોકેશનલ એજ્યુકેશન, કારકિર્દી માર્ગદર્શન, અનુબંધમ ગુજરાત પોર્ટલ, એન.સી.એસ પોર્ટલ સહિત સ્વરોજગારી અને રોજગાર સેતુ હેલ્પલાઇન વિશે પણ માર્ગદર્શન આપવામાં આવ્યું હતું.

સુડોકુ

(૪) એક વાઘ (૩)

(૭) એક પક્ષી (૩)

(૯) વિષ, ઝેર (૩)

સંક્ષિપ્ત સમાચાર

પુષ્પમગૃપ દ્વારા બાળકોને સ્ટેશનરીનું વિતરણ કરાયું



ભરૂચ પુષ્પમ ગૃપ જે દર મહિને જુદી જુદી સંસ્થાઓમાં સેવાકીય પ્રવૃત્તિઓ દ્વારા ખાસ કરીને વિદ્યાર્થીઓને જરૂરી સાધન આપે છે તે મુજબ આ મહિને પણ પુષ્પમ ગૃપ દ્વારા તાડીયા પ્રાથમિક શાળામાં વિદ્યાર્થીઓને નોટબુકસ, પેન્સીલ, રબર, સંચો, પાઉચ, ફૂડ પેકેટ તથા સ્ટીલના ગ્લાસ આપવાનો કાર્યક્રમ રાખવામાં આવ્યો હતો. આ કાર્યક્રમમાં પુષ્પમ ગૃપના હેમંતભાઈ શાહ, હરિશભાઈ વ્યાસ તથા દિનેશભાઈ આમોદવાળા હાજર રહ્યા હતા.

આમલેથા પોલીસ અને ગામકૂવા ગામ વચ્ચે ક્રિકેટ મેચ યોજાઇ

નર્મદા પોલીસે પ્રજા સાથે મિત્રતા કેળવી નર્મદા જિલ્લાને ગુના મુક્ત બનાવવાના ઉમદા આશય સાથે પ્રજા વચ્ચે જઈ રમતગમત ના આનંદ સાથે ખેલદિલી પણ વિકસે તે માટે ક્રિકેટ મેચ રમવા નો નવો પ્રયોગ હાથ ધર્યો છે. નર્મદા જિલ્લા પોલીસતંત્રના છેલ્લા કેટલાક મહિનાઓમાં વ્યાજખોરો સામે લાલઆંખ કરી પ્રજાને વ્યાજખોરોના ચક્રવ્યૂહમાંથી મુક્ત કરવાના અભિગમને પ્રજાજનો આવકાર મળ્યો છે. ત્યારે પોલીસની કામગીરીને જોતા પ્રજા નિર્ભિક રીતે ગુનાહોને રોકવા માટે પોલીસ સાથે ખડેપગે આવી રહી છે. નર્મદા જિલ્લા પોલીસ અધિક્ષક પ્રશાંત સુંબેના નેતૃત્વ અને માર્ગદર્શન હેઠળ જિલ્લા પોલીસતંત્ર, પ્રજા સાથે સારા સબંધો વિકસાવી અનેકવિધ પ્રયાસો પણ હાથ ધરી રહ્યાં છે. તે મુજબ રાજપીપલા નજીક આમલેથા પોલીસ સ્ટેશન દ્વારા, પોલીસ અને પ્રજા વચ્ચે મિત્રતાપૂર્ણ સબંધો કેળવવાના ઉમદા આશય સાથે આમલેથા પોલીસ સ્ટેશન અને ગામકુવા ગામના નાગરિકો વચ્ચે મૈત્રી ક્રિકેટ મેચનું આયોજન કરવામાં આવ્યું હતું. આ મેચ દરમિયાન પોલીસ વિભાગ દ્વારા સ્ટેન્ડી અને બેનર્સનો ઉપયોગ કરીને ટ્રાફ્કિ નિયમો, સાયબર ક્રાઈમ સહિત પોલીસતંત્ર સાથે સબંધિત તમામ કાયદાઓ, નિયમો અંગે માહિતગાર કરીને ગ્રામજનોને જાગૃત કરવામાં આવ્યા હતાં.

કરજણ ભરતમુનિહોલ ખાતે આયુષ મેળો યોજાયો

કરજણ : કરજણ નવા બજાર વિસ્તારમાં આવેલ ભરતમુનિહોલ ખાતે આઝાદીકા અમૃત મહોત્સવ અભિયાન અંતર્ગત ગુજરાત સરકારના આરોગ્ય અને પરિવાર કલ્યાણ વિભાગ દ્વારા તથા આયોજન નિયામક કચેરી ગાંધીનગરના માર્ગદર્શન હેઠળ લોકોની તંદુરસ્ત માટે જાગૃતિ આવે તે માટે આયુષ મેળો યોજેલ છે. કાર્યક્રમમાં ધારાસભ્ય અક્ષય પટેલ. નગરપાલિકા પ્રમુખ મીનાબા ચાવડા, ઉપપ્રમુખ જયેશ પટેલ, પાલિકા સદસ્યો, કરજણ તાલુકા વિકાસ અધિકારી, તાલુકા પંચાયત પ્રમુખ- સભ્યો અને આરોગ્ય વિભાગના અધિકારીઓ અને વિવિધ કોલેજોના તબીબોની ઉપસ્થિતિમાં કાર્યક્રમ યોજાયેલ છે. જેમાં આયુર્વેદિક ઉપર માર્ગદર્શન આપેલ છે. જેનાથી થતા ફાયદા વિશે માહિતી આપી વિશેષમાં તમામ બીમારી આર્યુવેદિક ઉપચારથી માટે તેના માટે વિવિધ સેન્ટરો ઉભા કરી દ્વારા માર્ગદર્શન આપેલ છે.

સુડોકુ 5473નો ઉકેલ

૧ | ૭ | ૪ | ૩ | ૮ | ૬ | ૫ | ૨ | ૯

|૨|૮|૫|૪|૭|૯|૩|૧|૬|

(૯ | ૬ | ૩ | ૨ | ૫ | ૧ | ૭ | ૪ | ૮

|૮|૩|૧|૭| ૬|૪|૯|૫| ૨

૭ ૪ ૬ ૫ ૯ ૨ ૮ ૩ ૧

|૫|૨|૯|૮|૧|૩|૬|૭|૪

|૩|૧|૮|૬|૪|૭|૨|૯|૫|

|૪|૫|૨|૯|૩|૮|૧|૬|૭|

ह <u>७ १ २ ५</u>४ ८ उ

આપેલા ચોરસ સમૂહમાં એવી રીતે ખૂટતા અંક

ભરો કે દરેક કોલમ દરેક હરોળ અને ૩x૩ના

બોક્સમાં ૧થી ૯ સુધીના આંકડા આવે. ચોરસ

સમૃહમાં આપેલા આંકડાઓનો તમે સ્થાન ફેર

કરી શકશો નહિં. તમારે એ સિવાયના ખૂટતા

(૬) ફળની અંદરનો ગર્ભ (૨)

અંકો મેળવવાના છે. તો કરો મગજમારી...!

ભરૂચમાં ૪ ધન્વંતરિ આરોગ્ય રથનું લોકાર્પણ કરાયું

વિભાગ તથા ગુજરાત મકાન અને અન્ય બાંધકામ શ્રમયોગી કલ્યાણ બોર્ડના સંયુકત ઉપક્રમે ઈએમઆરઆઈ, ગ્રીન હેલ્થ સર્વિસીસ હસ્તક કાર્યરત ધનવંતરી આરોગ્ય રથને કલેકટર કચેરી

કૌશલ્ય વિકાસ અને રોજગાર પ્રજાજનોની સેવા માટે રવાના કરાયા હતા.ગુજરાત સરકારની નેમ છે કે આપણું રાજય નિરોગી રાજય બને એટલા માટે રાજયના દરેક કડીયાનાકે અને બાંધકામ સાઈટ પર ધનવંતરી આરોગ્ય રથ જઈને તંદુરસ્ત શ્રમિક પરિવાર, તંદુરસ્ત ભરૂચ ખાતેથી જિલ્લા કલેકટર સમાજ અને તંદુરસ્ત રાષ્ટ્રનો ઉદ્દેશ્ય

ધનવંતરી આરોગ્ય રથ સેવાની શરૂઆત કરવામાં આવી છે.

ધન્વંતરી આરોગ્ય રથ સેવા સાચા અર્થમાં બાંધકામ શ્રમિકો માટે આશિર્વાદ રૂપ બની રહે તે હેતુથી રાજયના દરેક કડીયાનાકે તથા બાંધકામ સાઈટ પર જઈને બાંધકામ શ્રમીકોની નોંધણી અને આરોગ્યની સેવાઓ પુરી પાડવામાં આવે છે.

મેસર્સ.આરતી ઇન્ડસ્ટ્રીઝ લિમિટેક (યુનિટ-૨) પ્લોટ નં.ઝેડ/૧૦૩/શી,જી.આઇ.ડી.સી.નોટીફાઇડ ઇન્ડસ્ટ્રીઅલ એસ્ટેટ, એસ.ઇ.ઝેડ-૫, દદેજ-૩૯૨૧૩૦, તા.વાગરા, જિ.ભરૂચ, ગુજરાત જાહેટ સુચના / પર્ચાવરણીય મંજૂરી

આથી જણ કરવામાં આવે છે કે, મેસર્સ, આરતી ઇન્ડસ્ટ્રીઝ લિમિટેક (યુન્ટિ-૨), પ્લોટ લંબર ગ્રેક/૧૦૩/સી, જી.આઇ.ડી.સી.નોટીફાઇક ઇન્ડસ્ટ્રીઅલ એસ્ટેટ, એસ.ઇ.ગ્રેક-મ દહેવ- ૩૯૨૧૩૦, તા.વાગરા, જિ.ભરૂચ, ગુવરાત. શ્રારા પ્રસ્તાપિત વિસ્તરાક પ્રોપેકા शिल्पेटीड ओर्नेलिड डेमिडल्स मेल्युडेडचरिंग प्लान्टली, हालला परिसरमां स्थापला माटे રાજ્ય સ્તરીય પર્યાવરણ અસર આકારણી સત્તાર્ગકળ (SEIAA), ગાંધીનગર, ગુજરાત એ પર્યાવરણીય મંજુરી તારીખ : ૧૪ મી ફેબ્રુઆરી, ૨૦૨૩ ના રોજ આપેલ છે. જેનો ફાઇલ તં.SEIAA/GUI/EC/5(f)/192/2023 છે. સંજુરી પત્રની તકલ ગુજરાત પ્રદુષણ નિયંત્રણ બોર્ડ (ભરૂચ અને ગાંધીનગર) ની કચેરી પર મુકવામાં આવેલ છે અને રાજ્ય સ્તરીય પર્યાવરણ અસર આકારણી સત્તામંડળ (SEIAA), ગાંધીનગર, ગુજરાતની વેબસાઇટ http://seiaa.gujarat.gov.in/ এই এনা পার্য বার্চারী अधिकृत हस्ताक्षर

di.44-02-2023



सार प्रथमाधिक प्रार्थनिक साथ सेविनासिक साथ सेविनासिक साथ न्यासिक साथ निकासिक साथ मधुरूप्रवासिक विभागितिक साथ मधुरूप्रवासिक साथ स्थापित स्

સૂર્યોદયાદિ સૂર્યોદય નવકારશી સૂર્યાસ્ત વડોદરા : **9-0**6 ૭-૫૬ **૧૮-3**૪ हिवसनां योघडियां રાત્રિનાં ચોઘડિયાં

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વિક્રમ સંવત : ૨૦૭૯. મહા વદ ૄ ૧૨-૨૯થી ૧-૧૭ સુધી. તેરસ. શનિવાર, તા. ૧૮-૦૨- અમદાવાદ-મધ્ય ગુજરાતમાં શિવરાત્રિની રાત્રે ચાર પ્રહરની २०२उ. વીર (જૈન) સંવત : ૨૫૪૯. શાલિવાહન શક : ૧૯૪૪. યુગાબ્દ (કલિ) : પ૧૨૪. ભારતીય દિનાંક : ૨૯- માઘ. પારસી માસ : મેહેર. રોજ : ૭- અમરદાદ. મુસ્લિમ માસ : રજ્જબ. રોજ : ૨૬. ૨૦-૦૩ સુધી. ચંદ્ર નક્ષત્ર : ઉત્તરાષાઢા ક. ૧૭-૪૨ સુધી : પછી : શ્રવણ. ચંદ્ર રાશિ : મકર (આખો દિવસ).

આજનું પંચાંગ

પૂજાનો આરંભ સમય. પ્રથમ પ્રહર ક. ૧૮-૩૬. બીજો પ્રહર ક. ૨૧-૪૪. ત્રીજો પ્રહર ક. ૧૨-૫૨. ચોથો પ્રહર ક. ૩-૫૮થી શરૂ. * નેપ્ચ્યૂન મીન રાશિમાં પ્રવેશ. * સૂર્ય સાયન મીન રાશિમાં પ્રવેશ ક. ૨૮-૦૫થી. આ સમયથી સૌર દૈનિક તિથિ : વદ તેરસ ક. વસંત ઋતુ શરૂ થાય છે. * કૃષિ જ્યોતિષ : આપણુ ઋતુ ચક્ર સૂર્યના સાયન રાશિ ભ્રમણને અનુસરે છે. તેથી સૂર્ય સાયન મીન રાશિમાં આવે ત્યારે જ પશ્ચિ જન્મ નામાક્ષર : મકર (ખ.જ.). મ ભારતમાં સૌર વસંતઋતુની કરણ : ગર/વણિજ/વિષ્ટિ/શકુનિ. ખરેખર શરૂઆત થાય છે. આકાશ દર્શન-નક્ષત્ર પરિચય યોગ : વ્યતિપાત ક. ૧૯-૩૬ સુધી. પછી : વરિયાન. માટે અનુકૂળ. વિશેષ પર્વ : શનિ પ્રદોષ. મહા રાહુકાલ : દિવસે ક. ૯-૦૦થી શિવરાત્રિ. નિશિથ કાળ રાત્રે ક. ૧૦-૩૦

આજની રાશિ ₩ે અ.લ.ઈ.

ક.છ.ઘ.

કક

મ.ટ.

કલ્યા

પ.ઠ.ણ.

ર.ત.

धव

ખ.જ.

🕥 ન.ય.

વ્રશ્ચિક

્રિં ડ.હ.

કાર્યસફળતા અને પ્રગતિકારક સંજોગોનો ઉપયોગ કરી લેજો, કૌટુંબિક સંવાદિતા સર્જી શકો. આર્થિક અને વ્યવસાયિક બાબત અંગે સંજોગો કઠિન **GAG** બ.વ.ઉ.

લાગે તો આધ્યાત્મિક ઉપાય ફળે. તબિયતની કાળજી લેવા સલાહ, સામાજિક ગૃહજીવનના પ્રશ્નો હલ કરવાનો ઉપાય મળે.

પ્રકારની તકરાર ચાલશે નહિં.

હેવાસી : રાજપીપલા, જી. નમંદા

W 14-05-5053

આપના વ્યવસાયિક ક્ષેત્રે ધીમી પ્રગતિ થઈ શકે, વધુ પ્રયત્નશીલ બનવું જરૂરી, નાણાભીડ.

વાદવિવાદથી દૂર રહેવું, તબિયત સાચવજો. વ્યવસાયિક કામ અંગે સાનુકૂળ તક. સામાજિક કાર્ય અંગે સાનુકૂળતા, આર્થિક પ્રશ્નનો ઉકેલ

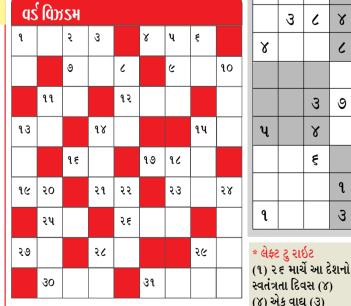
આર્થિક સમસ્યા તીવ્ર હશે તો હળવી થાય, મદદનો પ્રાણવાયુ મળે, ગૃહજીવનની બાબતો ગૂંચવાતી લાગે.

તમારા અગત્યના કામકાજો અંગે સંજોગો સાનુકૂળ થતાં

જણાય ખર્ચ-વ્યય વધતા લાગે. તબિયતની તકેદારી રાખજો આવક સામે જાવક વધતાં નાણાભીડ વધતી જણાશે, ભાફ.ઢ.ધ. વ્યવસાયિક યા કૌટુંબિક કાર્યોને આગળ ધપાવી શકશો.

મનની મુરાદ મનમાં રહેતી લાગે, વધુ પ્રયત્નો છતાં અલ્પ ફળ, વાદ-વિવાદ ટાળજો, અગત્યની મુલાકાત ફળે. સામાજિક કાર્ય માટે સાનુકૂળતા, માનસિક તણાવ હળવો

થાય, પ્રશ્નો સમસ્યાઓને સૂલઝાવી શકશો, પ્રવાસ. આર્થિક સમસ્યા જણાય, વ્યર્થ પરિશ્રમ જણાય, માનસિક 🖐🗶 દ.ચ.ઝ.થ. ટેન્શન દૂર થશે, ગૃહજીવનમાં સહકાર.



કિશોરભાઇ જે. પંચાલ એડવોકેટ

અહીં આપેલા શબ્દો, જોડકણાં દ્વારા ઉપરોક્ત ખાના ભરીને

વારીખ (૧૮) માવક (૨૦) રમજન (૨૨) કાળજા (૨૪) લીવેગ (૧૧) મોહું (૧૩) સાહેબ (૧૪) અકોટ (૧૫) (OP) फ़्रमफ़ (১) डाट (३) छाटडे (४) डाइ (६) थाएडे નકશો (૩૧) દરરોજ. * ટોપ ટું બોટમ : (૧) બાંગ (૨) (લોકળ) (૨૭) શાય (૨૮) ભાવી (૩૦) र्शाहण (३५) थिम (४५) मण्य (६५) ११५ (१६) અસ્ત (૧૫) તાગ (૧૬) ફાંકો (૧૭) સોપારી (૧૯) ખર્ (४१) ग्रेश (११) माह (१३) महास (१३) आहे (१४)

ર 9 9 3 C 3 6 ર 8 ४ 6 ર 3 9 ર પ 8 8 ξ 9 ξ 3 6 ٩ 3 8 C * લેફ્ટ ટુ રાઇટ

તો સારી લાઇન લઈ શકાય. (૨) (૩) (૨૩) માઠી હાલત (૩) (૨૫) ઘણા દિવસનું ભૂખ્યું (૨) (૨૬) કડીઓ જોડીને બનાવેલી લાંબી હાર (આડો-અવળું) (૩) (૨૭) રાણીના પતિદેવ (૨) (૧૧) મોઇદંડાની રમતમાં નાનો (૨૮) વાવટો, નિશાની (૨) (૨૯) પાણીપુરી સ્વાસ્થ્ય માટે હાનિકારક છે. (૨) (૩૦) જગ્યા કે પ્રદેશનો માપસરનો આલેખ (૩) (૩૧) નિયમિત (૪) * ટોપ ટુ બોટમ (૧) નમાજનો સમય સૂચવવા મુલ્લાજીએ કરેલો પોકાર (૨) (૨) એક અટક (૩)

(૩) તીર, બાણ (૨)

5474

(૮) સઘળું, તમામ (૩) (૧૦) એક તેજાનો (૩) (૧૧) મોં, ચહેરો (૨) (૧૩) બોલો કેમ છો ? (૩) (૧૪) સોપારીનું ઝાડ (૩) (૧૫) ચેકમાં આનું મહત્ત્વ ખૂબ હોય છે. (૩) (૧૮) પાવન કરનાર, અગ્નિ (૩) (૨૦) હિજરી સનનો નવમો માસ (૪) (૨૨) દીકરી એટલે બાપનાનો કટકો (૩) (૨૪) તપાસ, યુક્તિ (૪) (૨૮) તપાસ, ખોજ (જવાબ અવળો) (૨) (૨૧) ધો-૧૨માં સારા આવે (૫) આમીરખાનની એક ફિલ્મ (૨૯) એક સ્વાદ (૨)

તમારં શબ્દ ભંડોળ વધારો. તમારી વિચારશૈલી વધારો.

લાકડાનો કકડો (૨) વજવીજ (૨૮) ધશો (શોધ) (૨૯) ખારો. (૧૨) હંસ (૩) (૧૩) તમારી પત્નીની બહેનનો પતિ (૨) (૧૪) આથમવું તે (૨) (૧૫) નિવેડો, અંત (૨) (૧૬) તોર, અભિમાન (૨) (૧૭) મંગળ કાર્યોમાં વપરાતું એક ફળ (૩) (૧૯) પનો, જાત (૨) * લેફ્ટ ટું રાઇટ : (૧) ખાંગ્લાદેશ (૪) મુદંગ (૭) સારસ

સમાચાર અને જાહેરાત માટે

ભરૂચ ઓફિસ - ૨૦૧ એચ ટાવર, સેકન્ડ ફ્લોર, આર. કે. કાસ્ટા, સુપર માર્કેટ પાછળ ભરૂચ. મો. ૯૯૨૪૩૧૧૯૭૯, વોટ્સ એપ નં. ૯૯૨૪૩૧૧૯૭૯, ૦૨૬૪૨-૨૬૧૫૫૬ અંકલેશ્વર ઓફિસ - ૨ સેકન્ડ ફ્લોટ, ઇન્દ્રપ્રસ્થ કોમ્પલેક્ષ, ઓલ્ડ નેશનલ હાઇવે, જીઆઇડીસી મો. ૯૮૨૫૧૫૮૧૪૧