

Ref. No.: AARTI/VAPI/ENV/AMN/2023-2024/042

Date : 13.03.2024

XGN ID : 22988

To,
Regional Officer,
Gujarat Pollution Control Board,
Vapi - 396195.

Subject : Submission of Monthly Patrak for the month of February - 2024.

Respected Sir,
In reference to the above mentioned subject, Monthly Patrak for the Month of February 2024 is as attached herewith.

Thanking you,
Yours Faithfully,

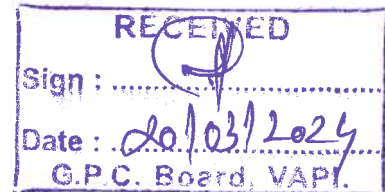
For Aarti Industries Ltd.(Amine Division)



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Encl :

1. Monthly patark
2. Analysis Report



Monthly Report from Industry

Form No D2

Gujarat Pollution Control Board

February , 2024

1. Name & address of Industry : Aarti Industries Ltd (Amine Div),
PHASE-IIIGIDC ESTATE,
Vapi - 396195
DIST : Valsad, TAL : Pardi, SIDC : Vapi

PCB ID : 22988

2. Phone No. : 7069110579

3. Date of commencement of Manufacturing process : 17/04/1997

4. CTEs No. & Date : CER-120032,12/05/2029

5. CCA No. & Date of Expiry : AWH-130091, 16/05/2026

6. Water Cess (with Interest) paid up to which Period : 2017-2018

7. Laboratory charges pending if any : 0

8. Water consumed during the month (by all sources) in KL : Meter Reading=373697,Kilo Litre=10401

Water Cess Cooling Boiler/Dom/BIO Degradable/Non BIO Degradable : 8695 / 268 / 1438 / 0

9. Electricity consumed in PRODUCTION : 554669 **ETP/CETP :** 5710 **APCM :** 4700

9A. Stack attached to : Boiler,D.G. Sets,.... Any Other

10. Fuel consumed during the month : Coal,Diesel

11. Products : 4-nitro aniline (pna) and/or 2-nitro aniline(ona) and/or 2-chloro 4 nitro aniline (ocpna) and/or para chloro ortho nitro aniline (pcona) and /or di chloro ortho nitro aniline (dcona) and /or 6-chloro ortho nitro aniline and /or 4,4-diamino diphenyl sulfone(dadps)

12. Work of Control Measures In Progress : Nothing in Progress

13. Upgradation / Addition of PCM is Required : Nothing Suggested

14. HAZ Waste Disposal(in Metric Tonne):

Return NOT Entered

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Type	Code	Name	Qty-Unit	Remark
FUE	COA	Coal	1200.400-M.T	
FUE	DIE	Diesel	152.000-LTS	
GAS		Stack attached to Ammonia Recovery plant scrubber for NH3 in (mg/Nm3)	136.200----	
GAS		Stack attached to Autoclave reactor and ONA day tank for NH3 in (mg/Nm3)	152.100----	
GAS		Stack attached to Boiler (13 TPH) for PM in mg/Nm3	73.400----	
GAS		Stack attached to Boiler (13 TPH) for SOx in PPM	41.300----	
GAS		Stack attached to Boiler (13 TPH) for SOx in PPM	36.200----	
GAS		Stack attached to DG Set (625 KVA) for NOx in PPM	43.200----	
GAS		Stack attached to DG Set (625 KVA) for PM in mg/Nm3	80.700----	
GAS		Stack attached to DG Set (625 KVA) for SOx in PPM	49.700----	
GAS		Stack attached to DG Set (750 KVA) for NOx in PPM	42.600----	
GAS		Stack attached to DG Set (750 KVA) for PM in mg/Nm3	84.600----	
GAS		Stack attached to DG Set (750 KVA) for SOx in PPM	49.700----	
GAS		Stack attached to SFD Dryer for PM in (mg/Nm3)	44.200----	
PRD	302495	4-nitro aniline (pna) and/or 2-nitro aniline(ona) and/or 2-chloro 4 nitro aniline (ocpna) and/or par	869.500-M.T	

Online Manifest Prepared

MF ID-Date	Truck No-Date	TSDf Name	H.W Remark / Qty
2426015-29/02/2024	GJ15AX0880-29/02/2024		AMMONIA LIQUOR 15.440 MTS (B2)
2425698-29/02/2024	GJ06VV8185-29/02/2024		CACL2 SOLUTION 19.240 MTS (B2)
2425297-29/02/2024	GJ15YY4107-29/02/2024		CACL2 SOLUTION 21.050 MTS (B2)
2424970-29/02/2024	GJ12X0743-29/02/2024		RO REJECTED WATER 14.550 MTS (B2)
2424782-28/02/2024	GJ15AT4789-28/02/2024		AMMONIA LIQUOR 17.450 MTS (B2)
2424626-28/02/2024	GJ15X4691-28/02/2024		RO REJECTED WATER 14.530 MTS (26.1)
2423734-28/02/2024	GJ12X0743-28/02/2024		RO REJECTED WATER 14.480 MTS (26.1)
2423965-28/02/2024	GJ12BV7785-28/02/2024		PLASTIC MIX WASTE 4.740 MTS (S4)

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2423728-28/02/2024	GJ15YY4107-28/02/2024	CACL2 SOLUTION 20.250 MTS (B2)
2423722-28/02/2024	GJ15X4691-28/02/2024	RO REJECTED WATER 14.610 MTS (26.1)
2424548-28/02/2024	GJ06VV8185-28/02/2024	CACL2 SOLUTION 19.520 MTS (B2)
2423280-27/02/2024	GJ12X0743-27/02/2024	RO REJECT WATER 14.510 MTS (26.1)
2423067-27/02/2024	GJ18AX0289-27/02/2024	PROCESS RESIDUE 11.830 MTS (26.1)
2422956-27/02/2024	GJ15YY4107-27/02/2024	CACL2 SOLUTION 20.850 MTS (B2)
2422951-27/02/2024	GJ15X4691-27/02/2024	ro rejected water 14.540 MTS (26.1)
2422806-27/02/2024	GJ15AX0880-27/02/2024	AMMONIA LIQUOR 14.710 MTS (B2)
2422797-27/02/2024	GJ15X4691-27/02/2024	RO REJECTED WATER 14.540 MTS (26.1)
2422084-26/02/2024	GJ15AT4789-26/02/2024	ammonia liquor 18.470 MTS (B2)
2421851-26/02/2024	GJ15YY4107-26/02/2024	CACL2 SOLUTION 21.160 MTS (B2)
2421443-26/02/2024	GJ12X0743-26/02/2024	RO REJECTED WATER 14.510 MTS (26.1)
2421297-25/02/2024	GJ15X4691-25/02/2024	RO REJECT WATER 14.650 MTS (26.1)
2421213-25/02/2024	GJ06VV8185-25/02/2024	CACL2 SOLUTION 19.110 MTS (B2)
2421177-25/02/2024	GJ15YY9909-25/02/2024	AMMONIA LIQUOR 18.840 MTS (B2)
2421161-25/02/2024	GJ12X0743-25/02/2024	RO REJECT WATER 14.620 MTS (26.1)
2421071-25/02/2024	GJ15YY4107-25/02/2024	CACL2 SOLUTION 21.140 MTS (B2)
2420903-25/02/2024	GJ15X4691-25/02/2024	RO REJECTED WATER 14.720 MTS (26.1)
2420800-24/02/2024	GJ12X0743-24/02/2024	RO REJECTED WATER,SEAL NO 003372 14.580 MTS (26.1)
2420767-24/02/2024	GJ15X4691-24/02/2024	RO REJECTED WATER 14.570 MTS (26.1)
2420300-24/02/2024	GJ15AT4789-24/02/2024	AMMONIA LIQUOR 17.440 MTS (B2)

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2420268- 24/02/2024	GJ12X0743- 24/02/2024		RO REJECT WATER 15.250 MTS (26.1)
2419997- 24/02/2024	GJ15YY4107- 24/02/2024		CACL2 SOLUTION 22.120 MTS (B2)
2419797- 24/02/2024	GJ15X4691- 24/02/2024		RO REJECTED WATER 14.570 MTS (26.1)
2419703- 23/02/2024	GJ12BV7785- 23/02/2024		ETP SLUDGE 24.580 MTS (35.3)
2419442- 23/02/2024	GJ15X4691- 23/02/2024		RO REJECT WATER 14.600 MTS (26.1)
2419334- 23/02/2024	GJ06VV8185- 23/02/2024		CACL2 SOLUTION 18.990 MTS (B2)
2419262- 23/02/2024	GJ15YY9909- 23/02/2024		AMMONIA LIQUOR 16.610 MTS (B2)
2419154- 23/02/2024	GJ15Z0323- 23/02/2024		PLASTIC FOR RECYCLING 3.610 MTS (S4)
2418826- 23/02/2024	GJ15YY4107- 23/02/2024		CACL2 SOLUTION 21.140 MTS (B2)
2418623- 23/02/2024	GJ15X4691- 23/02/2024		RO REJECTED WATER 14.700 MTS (26.1)
2418502- 22/02/2024	GJ15X4691- 22/02/2024		RO REJECTED WATER 14.630 MTS (26.1)
2418069- 22/02/2024	GJ15X4691- 22/02/2024		RO REJECTED WATER 14.520 MTS (26.1)
2418045- 22/02/2024	GJ12BV0512- 22/02/2024		MIXED WASTE 1.980 MTS (S4)
2418012- 22/02/2024	GJ15AT4789- 22/02/2024		AMMONIA LIQUOR 16.280 MTS (B2)
2417728- 22/02/2024	GJ12AT9419- 22/02/2024		process residue 14.880 MTS (26.1)
2417624- 22/02/2024	GJ15YY4107- 22/02/2024		CACL2 SOLUTION 20.890 MTS (B2)
2417418- 22/02/2024	GJ15X4691- 22/02/2024		RO REJECTED WATER 14.610 MTS (26.1)
2417111- 21/02/2024	GJ15AT9144- 21/02/2024		AMMONIA LIQUOR 14.830 MTS (B2)
2416968- 21/02/2024	GJ15X4691- 21/02/2024		RO REJECTED WATER 14.480 MTS (26.1)
2416554- 21/02/2024	GJ15YY4107- 21/02/2024		CACL2 SOLUTION 21.120 MTS (B2)
2416294- 21/02/2024	GJ15X4691- 21/02/2024		RO REJECTED WATER 14.610 MTS (26.1)

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2416167- 20/02/2024	GJ15AT4789- 20/02/2024	AMMONIA LIQUOR 11.190 MTS (B2)
2416164- 20/02/2024	GJ15X4691- 20/02/2024	R O REJECTED WATER 14.620 MTS (26.1)
2416092- 20/02/2024	GJ12AT7363- 20/02/2024	PROCESS RESIDUE 14.810 MTS (26.1)
2415909- 20/02/2024	GJ06VV8185- 20/02/2024	CACL2 SOLUTION 18.690 MTS (B2)
2415588- 20/02/2024	GJ15X4691- 20/02/2024	RO REJECTED WATER 14.550 MTS (26.1)
2415333- 20/02/2024	GJ15YY4107- 20/02/2024	CACL2 SOLUTION 20.790 MTS (B2)
2415057- 19/02/2024	GJ15X4691- 19/02/2024	RO REJECT WATER 14.600 MTS (26.1)
2415054- 19/02/2024	GJ15AX0880- 19/02/2024	AMMONIA LIQUOR 11.510 MTS (B2)
2414564- 19/02/2024	GJ15X4691- 19/02/2024	RO REJECT WATER 14.620 MTS (26.1)
2414175- 19/02/2024	GJ15YY4107- 19/02/2024	cacl2 solution seal no.3393 20.860 MTS (B2)
2414035- 19/02/2024	GJ15X4691- 19/02/2024	R O REJECT WATER SEAL NO.3325 14.740 MTS (26.1)
2413940- 18/02/2024	GJ15X4691- 18/02/2024	RO REJECTED WATER 14.500 MTS (26.1)
2413906- 18/02/2024	GJ06VV8185- 18/02/2024	CACL2 SOLUTION 18.650 MTS (B2)
2413905- 18/02/2024	GJ15YY9909- 18/02/2024	ammonia liquor 11.360 MTS (B2)
2413790- 18/02/2024	GJ15X4691- 18/02/2024	RO REJECT WATER 14.560 MTS (26.1)
2413650- 18/02/2024	GJ15YY4107- 18/02/2024	CACL2 SOLUTION 20.910 MTS (B2)
2413453- 17/02/2024	GJ15X4691- 17/02/2024	RO REJECT WATER 14.550 MTS (26.1)
2413404- 17/02/2024	GJ15AT4789- 17/02/2024	AMMONIA LIQUOR 11.690 MTS (B2)
2413345- 17/02/2024	GJ15YY4107- 17/02/2024	CACL2 SOLUTION 20.890 MTS (B2)
2413282- 17/02/2024	GJ12BV0512- 17/02/2024	ETP SLUDGE 10.520 MTS (35.3)
2413013- 17/02/2024	GJ15X4691- 17/02/2024	RO REJECTED WATER 14.620 MTS (26.1)

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2412631-17/02/2024	GJ15YY4107-17/02/2024	CACL2 SOLUTION 20.880 MTS (B2)
2412468-17/02/2024	GJ15X4691-17/02/2024	RO REJECTED WATER 14.560 MTS (26.1)
2412382-16/02/2024	GJ15X4691-16/02/2024	RO REJECT WATER 14.620 MTS (26.1)
2412356-16/02/2024	GJ15AT9144-16/02/2024	AMMONIA LIQUOR 14.030 MTS (B2)
2412255-16/02/2024	GJ18AZ7433-16/02/2024	MIXED WASTE 2.190 MTS (S4)
2412203-16/02/2024	GJ06VV8185-16/02/2024	cacl2 solution 18.440 MTS (B2)
2411861-16/02/2024	GJ15X4691-16/02/2024	RO REJECTED WATER 14.670 MTS (26.1)
2411678-16/02/2024	GJ15YY4107-16/02/2024	CACL2 SOLUTION 20.990 MTS (B2)
2411374-16/02/2024	GJ15X4691-16/02/2024	RO REJECTED WATER 14.670 MTS (26.1)
2411235-15/02/2024	GJ15YY9909-15/02/2024	AMMONIA LIQUOR 11.880 MTS (B2)
2410981-15/02/2024	GJ12BV0512-15/02/2024	MIXE - WASTE 2.390 MTS (S4)
2410691-15/02/2024	GJ06VV8185-15/02/2024	cacl2 solution 19.140 MTS (B2)
2410228-15/02/2024	GJ15X4691-15/02/2024	RO REJECTED WATER 14.540 MTS (26.1)
2410223-15/02/2024	GJ15YY4107-15/02/2024	CACL2 SOLUTION 21.040 MTS (B2)
2409634-14/02/2024	GJ15X4691-14/02/2024	RO REJECTED WATER 14.580 MTS (26.1)
2409546-14/02/2024	GJ15AT4789-14/02/2024	AMMONIA LIQUOR 12.130 MTS (B2)
2409350-14/02/2024	GJ15YY4107-14/02/2024	CACL2 SOLUTION 20.780 MTS (B2)
2409068-14/02/2024	GJ15X4691-14/02/2024	RO REJECTED WATER 14.560 MTS (26.1)
2408951-13/02/2024	GJ06VV8185-13/02/2024	CACL2 SOLUTION 18.400 MTS (B2)
2408481-13/02/2024	GJ15YY9909-13/02/2024	AMMONIA LIQUOR 11.880 MTS (B2)
2408463-13/02/2024	GJ15X4691-13/02/2024	RO REJECT WATER 14.620 MTS (26.1)

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2408167-13/02/2024	GJ15YY4107-13/02/2024		CACL2 SOLUTION 20.650 MTS (B2)
2407916-13/02/2024	GJ15X4691-13/02/2024		RO REJECTED WATER SEAL NO : 003313 14.620 MTS (26.1)
2407835-12/02/2024	GJ15X4691-12/02/2024		RO REJECT WATER 14.450 MTS (26.1)
2407565-12/02/2024	GJ06VV8185-12/02/2024		CACL2 SOLUTION 16.880 MTS (B2)
2407387-12/02/2024	GJ15AT9144-12/02/2024		AMMONIA LIQUOR 11.610 MTS (B2)
2406694-12/02/2024	GJ15YY4107-12/02/2024		CACL2 SOLUTION 19.050 MTS (B2)
2406684-12/02/2024	GJ15X4691-12/02/2024		RO REJECTED WATER 14.490 MTS (26.1)
2406568-11/02/2024	GJ15X4691-11/02/2024		RO REJECT WATER 14.520 MTS (26.1)
2406304-11/02/2024	GJ15YY9909-11/02/2024		CACL2 SOLUTION 13.910 MTS (B2)
2406301-11/02/2024	GJ15X4691-11/02/2024		RO REJECTED EATER 14.600 MTS (26.1)
2406016-10/02/2024	GJ15YY4107-10/02/2024		CACL2 SOLUTION 7.540 MTS (B2)
2406014-11/02/2024	GJ15X4691-10/02/2024		RO REJECTED WATER ,SEAL NO: 003326 14.570 MTS (26.1)
2405637-10/02/2024	GJ04X5981-10/02/2024		PROCESS RESIDUE 14.570 MTS (26.1)
2405509-10/02/2024	GJ15AT4789-10/02/2024		AMMONIA LIQUOR 15.480 MTS (B2)
2405486-10/02/2024	GJ15X4691-10/02/2024		RO REJECTED WATER 14.610 MTS (26.1)
2405481-10/02/2024	GJ16Z8098-10/02/2024		ETP SLUDGE 16.260 MTS (35.3)
2405224-10/02/2024	GJ15YY4107-10/02/2024		CACL2 SOLUTION 21.040 MTS (B2)
2405012-10/02/2024	GJ15X4691-10/02/2024		RO REJECTED WATER 14.520 MTS (26.1)
2404659-09/02/2024	GJ15X4691-09/02/2024		RO REJECT WATER 14.620 MTS (26.1)
2404090-09/02/2024	GJ15YY4107-09/02/2024		CACL2 SOLUTION 20.480 MTS (B2)
2403760-08/02/2024	GJ15X4691-08/02/2024		RO REJECT WATER (SEAL NO : 042227) 14.600 MTS (26.1)

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2403349-08/02/2024	GJ15YY9909-08/02/2024	ammonia liquor 14.360 MTS (B2)
2403320-08/02/2024	GJ15X4691-08/02/2024	ro rejected water 14.630 MTS (26.1)
2403123-08/02/2024	GJ15YY4107-08/02/2024	CACL2 SOLUTION 19.520 MTS (B2)
2403070-08/02/2024	GJ15Z0323-08/02/2024	PLASTIC FOR RECYCLING 1.210 MTS (S4)
2402751-08/02/2024	GJ15X4691-08/02/2024	RO REJECTED WATER 14.530 MTS (26.1)
2402143-07/02/2024	GJ15X4691-07/02/2024	RO REJECTED WATER SEAL NO : 14.590 MTS (26.1)
2401817-07/02/2024	GJ15AT4789-07/02/2024	AMMONIA LIQUOR 16.550 MTS (B2)
2401808-07/02/2024	GJ15YY4107-07/02/2024	CACL2 SOLUTION 19.040 MTS (B2)
2401539-07/02/2024	GJ15X4691-07/02/2024	RO REJECTED WATER 14.580 MTS (26.1)
2401332-06/02/2024	GJ15X4691-06/02/2024	RO REJECTED WATER SEAL NO : 042255 14.610 MTS (26.1)
2401000-06/02/2024	GJ12BV0512-06/02/2024	ETP SLUDGE 20.070 MTS (35.3)
2400719-06/02/2024	GJ15X4691-06/02/2024	RO REJECTED WATER 14.470 MTS (26.1)
2400650-06/02/2024	GJ15YY4107-06/02/2024	CACL2 SOLUTION 21.000 MTS (B2)
2400292-05/02/2024	GJ15X4691-05/02/2024	RO REJECT WATER 14.630 MTS (26.1)
2400199-05/02/2024	GJ15Z0323-05/02/2024	Glass Bottel 0.160 MTS (33.11~Empty barrels/containers contaminated with hazardous chemicals /wastes)
2399975-05/02/2024	GJ06VV8185-05/02/2024	CACL2 SOLUTION 18.780 MTS (B2)
2399793-05/02/2024	GJ15X4691-05/02/2024	RO REJECTED WATER 14.590 MTS (26.1)
2399605-05/02/2024	GJ04X5981-05/02/2024	PROCESS RESIDUE 14.050 MTS (26.1)
2399464-05/02/2024	GJ15YY4107-05/02/2024	CACL2 SOLUTION 20.720 MTS (B2)
2399291-05/02/2024	GJ15X4691-05/02/2024	RO REJECTED WATER 14.490 MTS (26.1)
2399185-04/02/2024	GJ15X4691-04/02/2024	RO REJECTED WATER 14.500 MTS (26.1)

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2399036-04/02/2024	GJ15AT4789-04/02/2024		AMMONIA LIQUOR 10.950 MTS (B2)
2398857-04/02/2024	GJ15YY4107-04/02/2024		CACL2 SOLUTION 21.030 MTS (B2)
2398740-04/02/2024	GJ15AT9144-04/02/2024		AMMONIA LIQUOR 11.460 MTS (B2)
2398654-03/02/2024	GJ15X4691-03/02/2024		RO REJECT WATER 14.570 MTS (26.1)
2398319-03/02/2024	GJ06VV8185-03/02/2024		CACL2 SOLUTION 18.710 MTS (B2)
2398264-03/02/2024	GJ15X4691-03/02/2024		RO REJECT WATER 14.520 MTS (26.1)
2397934-03/02/2024	GJ15YY4107-03/02/2024		CACL2 SOLUTION 20.450 MTS (B2)
2397722-03/02/2024	GJ15AT9144-03/02/2024		AMMONIA LIQUOR 10.990 MTS (B2)
2397714-03/02/2024	GJ15X4691-03/02/2024		RO REJECTED WATER 14.580 MTS (26.1)
2377009-02/02/2024	GJ12BW0026-02/02/2024		PROCESS RESIDUE 10.880 MTS (26.1)
2397299-02/02/2024	GJ15X4691-02/02/2024		r o reject water 14.470 MTS (26.1)
2376751-02/02/2024	GJ15YY4107-02/02/2024		CACL2 SOLUTION 20.560 MTS (B2)
2376657-02/02/2024	GJ15AT4789-02/02/2024		AMMONIA LIQUOR 13.080 MTS (B2)
2376634-02/02/2024	GJ15X4691-02/02/2024		RO REJECTED WATER 14.590 MTS (26.1)
2376228-01/02/2024	GJ15YY4107-01/02/2024		CACL2 SOLUTION 21.010 MTS (B2)
2376211-01/02/2024	GJ15X4691-01/02/2024		RO REJECT WATER 14.560 MTS (26.1)
2375597-01/02/2024	GJ15YY9909-01/02/2024		AMMONIA LIQUOR 12.500 MTS (B2)
2375587-01/02/2024	GJ15X4691-01/02/2024		RO REJECTED WATER 14.550 MTS (26.1)



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TC - 5885

Test Report

Format No : QR/7.8/01	Test Report No : EP/0224/00771	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution

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

Description of Sample : Stack attached to Boiler -13 TPH		Qty / Nos of Sample : 1 / 1 No.
Sampling By : Vihang Patel	Date of Sampling : 15-02-2024	Packing / Seal : Sealed
Sample Received Date : 16-02-2024	Date of Starting of Test : 16-02-2024	Protocol / Purpose : Stack Gas Analysis
Sampling Method : WI/ST/A	Duration Sampling : 60 min.	Date of Completion : 17-02-2024
		Sample ID : 0224/ST00771
		Fuel : Coal

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	30	-	
2	Stack Diameter	m	1.0	-	
3	Stack Temperature	°C	116	-	
4	Velocity	m/s	3.3	-	IS 11255 (Part-3):2021
5	Flow Rate	Nm ³ /hr	6890	-	IS 11255 (Part-3):2008
6	Oxygen (as O ₂)	%	8.0	-	SOP No.WI/ST/10
7	Carbon Dioxide (as CO ₂)	%	BDL	-	SOP No.WI/ST/10
8	CO	%	0.025	-	SOP No.WI/ST/10
9	Particulate Matter (PM)	mg/Nm ³	73.4	150	IS 11255 (Part-1):1985
10	Sulphur Dioxide (SO ₂)	ppm	41.3	100	IS 11255 (Part-2):1985
11	Oxides of Nitrogen (as NO _x)	ppm	36.2	50	IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit (: Carbon Dioxide<0.1 %)

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Test Report

Format No : QR/7.8/01	Test Report No : TEE/000223/24	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to Boiler -13 TPH		
Sampling By : Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 15-02-2024	Packing / Seal : Sealed	
Sample Received Date : 16-02-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-02-2024	Date of Completion : 17-02-2024	
Sampling Method : WI/ST/A	Sample ID : 0224/ST00771	
Duration Sampling : 60 min.	Fuel : Coal	


RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
12	VOC	mg/Nm ³	BDL	-	SOP No.-VI/ST/44-03

Note : BDL :- Below Detectable Limit (VOC < 1 mg/Nm³)

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Test Report

Format No : QR/7.8/01	Test Report No : EP/0224/00772	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution

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

Description of Sample : Stack attached to DG 750 KVA		Qty / Nos of Sample : 1 / 1 No.
Sampling By : Vihang Patel		Packing / Seai : Sealed
Date of Sampling : 15-02-2024		Protocol / Purpose : Stack Gas Analysis
Sample Received Date : 16-02-2024		Date of Completion : 17-02-2024
Date of Starting of Test : 16-02-2024		Sample ID : 0224/ST00772
Sampling Method : WI/ST/A		Fuel : Diesel
Duration Sampling : 60 min.		


RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	11	-	-
2	Stack Diameter	m	0.3	-	-
3	Stack Temperature	°C	118	-	-
4	Velocity	m/s	8.6	-	IS 11255 (Part-3):2021
5	Flow Rate	Nm ³ /hr	1679	-	IS 11255 (Part-3) 2021
6	Carbon Dioxide (as CO ₂)	%	BDL	-	IS 11255 (Part-3) 2008
7	Particulate Matter (PM)	mg/Nm ³	84.6	150	SOP No. WI/ST/10
8	Sulphur Dioxide (SO ₂)	ppm	49.7	100	IS 11255 (Part-1):1985
9	Oxides of Nitrogen (as NO ₂)	ppm	42.6	50	IS 11255 (Part-2):1985
					IS 11255 (Part-7):2005

Note : BDL :- Below Detectable Limit (Carbon Dioxide<0.1 %)

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Test Report

Format No : QR/7.8/01	Test Report No : TEE/000224/24	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.		
Description of Sample : Stack attached to DG 750 KVA		
Sampling By : Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 15-02-2024	Packing / Seal : Sealed	
Sample Received Date : 16-02-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-02-2024	Date of Completion : 17-02-2024	
Sampling Method : WI/ST/A	Sample ID : 0224/ST00772	
Duration Sampling : 60 min.	Fuel : Diesel	

RESULT TABLE

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

Note : BDL :- Below Detectable Limit (Methane (as CH₄)<0.1 %, Nitrous Oxide (N₂O)<0.1 ppm, Perfluorocarbons<1 ppm, Hydrocarbons<1 ppm, Sulphur hexafluoride<1 ppm, VOC<1 mg/Nm³)

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Test Report

Format No : QR/7.8/01	Test Report No : EP/0224/00773	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution

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

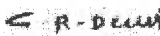
Description of Sample : Stack attached to DG 625 KVA		Qty / Nos of Sample : 1 / 1 No.
Sampling By : Vihang Patel	Date of Sampling : 15-02-2024	Packing / Seal : Sealed
Sample Received Date : 16-02-2024	Date of Starting of Test : 16-02-2024	Protocol / Purpose : Stack Gas Analysis
Sampling Method : WI/ST/A	Duration Sampling : 60 min.	Date of Completion : 17-02-2024
		Sample ID : 0224/ST00773
		Fuel : Diesel

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	11	-	-
2	Stack Diameter	m	0.3	-	-
3	Stack Temperature	°C	102	-	-
4	Velocity	m/s	7.1	-	IS 11255 (Part-3):2021
5	Flow Rate	Nm ³ /hr	1391	-	IS 11255 (Part-3):2008
6	Carbon Dioxide (as CO ₂)	%	3.9	-	SOP No.WI/ST/10
7	Particulate Matter (PM)	mg/Nm ³	80.7	150	IS 11255 (Part-1) 1985
8	Sulphur Dioxide (SO ₂)	ppm	49.7	100	IS 11255 (Part-2):1985
9	Oxides of Nitrogen (as NO ₂)	ppm	43.2	50	IS 11255 (Part-7) 2005

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Test Report

Format No : QR/7.8/01	Test Report No : TEE/000225/24	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.		
Description of Sample : Stack attached to DG 625 KVA		
Sampling By : Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 15-02-2024	Packing / Seal : Sealed	
Sample Received Date : 16-02-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-02-2024	Date of Completion : 17-02-2024	
Sampling Method : WI/ST/A	Sample ID : 0224/ST00773	
Duration Sampling : 60 min.	Fuel : Diesel	

RESULT TABLE

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

Note : BDL :- Below Detectable Limit (VOC<1 mg/Nm³, Methane (as CH₄)<0.1 %, Nitrous Oxide (N₂O)<0.1 ppm, Perfluorocarbons<1 ppm, Hydrofluorocarbons<5 ppm, Sulphur hexafluoride<1 ppm)

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TC - 5885

Test Report

Format No : QR/7.8/01	Test Report No : EP/0224/00774	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.	
Description of Sample : Stack attached to Autoclave Reactor & ONA day tank	
Sampling By : Vihang Patel	Qty / Nos of Sample : 1 / 1 No.
Date of Sampling : 15-02-2024	Packing / Seal : Sealed
Sample Received Date : 16-02-2024	Protocol / Purpose : Stack Gas Analysis
Date of Starting of Test : 16-02-2024	Date of Completion : 17-02-2024
Sampling Method : WI/ST/A	Sample ID : 0224/ST00774
Duration Sampling : 15 min.	Fuel : -

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	11	-	-
2	Velocity	m/s	1.5	-	IS 11255 (Part-3):2021
3	Flow Rate	Nm ³ /hr	151	-	IS 11255 (Part-3):2008
4	Ammonia (as NH ₃)	mg/Nm ³	152.1	175	IS 11255 (Part-6): 1999 Clause 5

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Test Report

Format No : QR/7.8/01	Test Report No : TEE/000226/24	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.		
Description of Sample : Stack attached to Autoclave Reactor & ONA day tank		
Sampling By : Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 15-02-2024	Packing / Seal : Sealed	
Sample Received Date : 16-02-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-02-2024	Date of Completion : 17-02-2024	
Sampling Method : WI/ST/A	Sample ID : 0224/ST00774	
Duration Sampling : 15 min.	Fuel : -	

RESULT TABLE


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

Note : BDL :- Below Detectable Limit (VOC < 1 mg/Nm³)

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TC - 5885

Test Report

Format No : QR/7.8/01	Test Report No : EP/0224/00775	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution

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

Description of Sample	: Stack attached to Ammonia Recovery Scrubber		
Sampling By	: Vihang Patel	Qty / Nos of Sample	: 1 / 1 No.
Date of Sampling	: 15-02-2024	Packing / Seal	: Sealed
Sample Received Date	: 16-02-2024	Protocol / Purpose	: Stack Gas Analysis
Date of Starting of Test	: 16-02-2024	Date of Completion	: 17-02-2024
Sampling Method	: WI/ST/A	Sample ID	: 0224/ST00775
Duration Sampling	: 15 min.	Fuel	: -

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	11	-	-
2	Velocity	m/s	0.7	-	IS 11255 (Part-3):2021
3	Flow Rate	Nm ³ /hr	71	-	IS 11255 (Part-3):2008
4	Ammonia (as NH ₃)	mg/Nm ³	136.2	175	IS 11255 (Part-6):1999 Clause 5

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Test Report

Format No : QR/7.8/01	Test Report No : TEE/000227/24	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution

Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi - 396195, Dist. - Valsad.	
Description of Sample : Stack attached to Ammonia Recovery Scrubber	
Sampling By : Vihang Patel	Qty / Nos of Sample : 1 / 1 No.
Date of Sampling : 15-02-2024	Packing / Seal : Sealed
Sample Received Date : 16-02-2024	Protocol / Purpose : Stack Gas Analysis
Date of Starting of Test : 16-02-2024	Date of Completion : 17-02-2024
Sampling Method : WI/ST/A	Sample ID : 0224/ST00775
Duration Sampling : 15 min.	Fuel : -

RESULT TABLE

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

Note : BDL :- Below Detectable Limit (VOC < 1 mg/Nm³)

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TC - 5885

Test Report

Format No : QR/7.8/01	Test Report No : EP/0224/00776	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195, Dist. – Valsad.		
Description of Sample : Stack attached to SFD Dryer		
Sampling By : Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 15-02-2024	Packing / Seal : Sealed	
Sample Received Date : 16-02-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-02-2024	Date of Completion : 17-02-2024	
Sampling Method : WI/ST/A	Sample ID : 0224/ST00776	
Duration Sampling : 60 min.	Fuel : -	

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
1	Stack Height	m	15	-	
2	Stack Temperature	°C	41	-	
3	Velocity	m/s	2.9	-	IS 11255 (Part-3):2021
4	Flow Rate	Nm ³ /hr	1898	-	IS 11255 (Part-3):2021
5	Carbon Dioxide (as CO ₂)	%	143	-	IS 11255 (Part-3):2008
6	Particulate Matter (PM)	mg/Nm ³	44.2	150	SOP No.WI/ST/10 IS 11255 (Part-1):1985

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Test Report

Format No : QR/7.B/01	Test Report No : TEE/000228/24	Issue Date : 22-02-2024
	Discipline : Chemical	Group : Atmospheric Pollution
Customer's Name & Address : Aarti Industries Ltd. (Amine Div.) Plot No.-285, 286, Phase - III, GIDC Estate, Vapi – 396195. Dist. – Valsad.		
Description of Sample : Stack attached to SFD Dryer		
Sampling By : Vihang Patel	Qty / Nos of Sample : 1 / 1 No.	
Date of Sampling : 15-02-2024	Packing / Seal : Sealed	
Sample Received Date : 16-02-2024	Protocol / Purpose : Stack Gas Analysis	
Date of Starting of Test : 16-02-2024	Date of Completion : 17-02-2024	
Sampling Method : WI/ST/A	Sample ID : 0224/ST00776	
Duration Sampling : 60 min.	Fuel : -	

RESULT TABLE

S.NO.	TEST PARAMETER	UNIT	RESULT	GPCB LIMIT	METHOD REFERENCE
7	VOC	mg/Nm ³	1.5	-	SOP No.-WI/ST/44-03
8	Methane (as CH ₄)	%	BDL	-	GC Method
9	Nitrous Oxide (N ₂ O)	ppm	BDL	-	GC Method
10	Perfluorocarbons	ppm	BDL	-	GC Method
11	Hydrofluorocarbons	ppm	BDL	-	GC Method
12	Sulphur hexafluoride	ppm	BDL	-	GC Method

Note : BDL :- Below Detectable Limit (Methane (as CH₄)<0.1 %, Nitrous Oxide (N₂O)<0.1 ppm, Perfluorocarbons<1 ppm, Hydrofluorocarbons<5 ppm, Sulphur hexafluoride<1 ppm)

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Chintan Desai (TM)

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

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

*** End of Report ***

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