

AIL/KUT/ENV/2025-26/08
Date : 09.05.2025

XGN ID : 17766

✓ To,
The Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector - 10/A,
Gandhinagar - 382010

Subject : Environment Statement (Form-V) from April 2024 - March 2025.

Respected Sir,

With reference to the above mentioned subject, please find herewith the Environment Statement for the period April-2024 to March-2025 in Form-V for Aarti Industries Limited(Anushakti Division) located at Plot No.1430/1, N H 8-A, Bhachau-370140, Tal-Bhachau, Dist-Kutch.

We hope you will find the above is in order.

Thanking you,

Yours Faithfully,
For, Aarti Industries Limited (Anushakti Division)


Authorized Signatory

Encl : as above

CC:

1. The Regional Officer, Gujarat Pollution Control Board, Kutch (East).
2. Unit Head-Kutch(East), Gujarat Pollution Control Board, Gandhinagar.


20/05/25
Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010

Form - V
(See Rule 14)

From :

Aarti Industries Limited (Anushakti Division)

Plot No.1430/1, N H 8-A, Bhachau-370140, Tal-Bhachau, Dist-Kutch.

To,

Gujarat Pollution Control Board, Sector 10-A, Gandhinagar - 382010

ENVIRONMENTAL STATEMENT

(For the Financial Year from 1st April' 2024 to 31st March' 2025)

PART - A

(i)	Name and address of the owner/occupier of the industry operation or process	:	Mr. Ajay Kumar Gupta Aarti Industries Ltd. (Anushakti Division) Plot No.1430/1, N.H. No. 8-A, Bhachau-370140, Tal-Bhachau, Dist-Kutch.
(ii)	Industry Category - Primary - (STC Code) Secondary - (STC Code)	:	Large Scale
(iii)	Production Capacity Units	:	As per Annexure -1
(iv)	Year of Establishment	:	2004
(v)	Date of Last Environment Statement Submitted	:	20th June, 2024

PART - B

Water and Raw Material Consumption

1. Water Consumption

Sr. No.	Particular	During Previous Financial Year (1st April' 2023 to 31st March' 2024)	During the current Financial Year (1st April' 2024 to 31st March' 2025)
		(KLD)	(KLD)
1.	Water Consumption	959.63	973.08
2.	Process	97.19	97.63
3.	Boiler +Cooling	822.12	841.10
4.	Domestic	40.32	34.35

* The unit has obtained a CCA Amendment through CCA No AWH-139723 dated 16/01/2025 with fresh water consumption permission 1819 KLD. The increase in fresh water consumption from 959.63 KLD to 973.08 KLD is due to increase in production quantity.



Sr. No.	Name of Products	Process Water Consumption per unit of product Output(KL/MT)	
		During Previous Financial Year (1st April' 2023 to 31st March' 2024)	During the current Financial Year (1st April' 2024 to 31st March' 2025)
1.	Chloro products of benzene, toluene	1.102	1.101
2.	Hydrogenated/reduction	-	-
3.	Calcium chloride	-	-
4.	mono nitro derivatives of benzene, chlorobenzene/ toluene/xylene/cumene	0.090	0.090
5.	phthalate derivatives	0.190	0.190

2. Raw Material Consumption

2. Raw Material Consumption			
Name of Raw Material	Name of Products	Consumption of raw material per unit of output	
		During Previous Financial Year (1st April'2023 to 31st March'2024)	During the current Financial Year (1st April' 2024 to 31st March' 2025)
Chloro products of benzene, toluene			
Benzene	Dichlorobenzene (PDCB, ODCB & MDCB)	0.50	0.49
Chlorine		0.91	0.92
ODCB	1,2,4 Trichlorobenzene (1,2,4 TCB)	0.78	No Production in FY 2024-25
Benzene		0.46	
mono nitro derivatives of benzene,chlorobenzene/toluene/xylene/cumene			
ODCB/PDCB	2,5- Dichloro nitrobenzene (2,5- DCNB)	0.74	0.74
Nitric Acid		0.34	0.33
Sulphuric acid		0.36	0.36
Soda solution		0.05	0.05
Spent acid		0.32	0.32
Hydrogenated/Reduction			



Aniline	N-Methyl Aniline (MMA)	0.87	0.88
Methanol		0.42	0.40
Phthalate derivatives			
Methanol	Dimethyl phthalate (DMP)	0.34	0.35
Phthalic anhydride		0.77	0.81
Sulphuric acid		0.01	0.01
Phthalic Anhydride (PA)	Di Octyl phthalate (DOP)	0.39	0.39
2 Ethyl Hexanol		0.68	0.68
Calcium chloride			
Spent HCL	CaCl2	2.18	2.47
CaCO3		1.04	1.01
Ca(OH)2		0.10	0.09

***Production Quantity attached as in Annexure-1.**

In the CaCl₂ product, Spent HCL ratio is increased due to reduction in purity of the material. While CaCO₃ and Ca(OH)₂ ratio is decreased as CaCO₃ purity is increased.

PART -C

Pollution Discharged to environment/unit of output (Parameters as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons	
(a) Water	The unit is a Zero Liquid Discharge Unit. Treated water is recycled back. Therefore no pollution load is added in the environment due to zero discharge of effluent.			
(b) Air				
Well within GPCB Permissible limits.				
Sr No	Stack attached to	Pollutants	Emission (mg/Nm3)	Qty of pollutants discharged (Kg/day)
1	Boiler 36 TPH (CPP)	PM	16.723	10.550
		SOx	36.80	23.218



		NOx	25.35	15.994
2	Boiler 15 TPH	PM	56.344	33.733
		SOx	90.32	54.072
		NOx	53.31	31.916
3	Boiler 12 TPH	PM	56.509	46.976
		SOx	81.98	68.146
		NOx	55.10	45.806
4	Hot Air Generator	PM	46.318	11.492
		SOx	33.75	8.373
		NOx	26.98	6.693
5	Thermic Fluid Heater-1 (20 Lac KCal/Hr)	PM	59.407	18.937
		SOx	96.75	30.839
		NOx	57.88	18.450
6	Thermic Fluid Heater-2 (30 Lac KCal/Hr)	PM	59.206	22.162
		SOx	100.49	37.616
		NOx	57.23	21.424
7	D.G. Set -1 1000 kVA	PM	22.283	0.006
		SOx	34.48	0.010
		NOx	56.19	0.016
8	D.G. Set - 2 1000 kVA	PM	22.093	0.009
		SOx	32.84	0.014
		NOx	55.91	0.024
9	Alkali scrubber of Chlorination plant (HCl stack)	HCl	5.711	0.002
10	Alkali Scrubber of Nitration plant (Nitrator)	NOx	1.156	0.000
11	Alkali Scrubber of CaCl ₂ plant	PM	6.375	0.057
		HCl	2.527	0.000
12	CaCl ₂ Dryer vents	PM	50.141	81.845
13	Thermic Fluid Heater-3 (10 Lac KCal/Hr)	PM	41.304	3.512
		SOx	10.274	0.000
		NOx	12.760	0.000



PART -D
Hazardous Wastes
(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

Sr. No.	Hazardous Waste	Total Quantity in Ton	
		During Previous Financial Year (1st April'2023 to 31st March'2024)	During the current Financial Year (1st April' 2024 to 31st March' 2025)
	Landfill waste		
(a)	Process waste (26.1)	7305.18	4867.07**
(b)	ETP Sludge (35.3)	2831.33	1367.57
(c)	(1) Quantity recycled or reutilized within the unit.		
	Spent HCl (B-15)	48784.776	52354.87 MT (36196.27 MT inhouse generated and 16158.60 MT received under Rule 9)
	(2) Used Oil sent for reuse, Spent acid are sent under Rule 9		
	Used Oil (recycle/reuse) MT (5.1)	12.32	0
	Spent HCl (B-15)	0	0
	Spent Sulphuric Acid (B-15)	3816.750	3096.17
	(3) Disposed		
	Landfill waste Process Sludge(26.1) and ETP Sludge (35.3)	10136.51 (2112.33 MT to Co-processing and 8024.18 MT to Landfill)	6239.18 (2094.31 to Co-processing and 4144.87 to Landfill)
	Insulation waste (S1) (Landfill)	20.09	46.52
	Non Recyclable plastic, PPEs and liners (Landfill/Incineration) (33.1)	11.87	0
	Non Recyclable plastic, PPEs and liners (Co-processing) (33.1)	37.630	55.72

** The unit has changed purity of raw material Calcium Carbonate which leads to reduction in sludge generation.



PART - E
Solid Wastes (Non-Hazardous)

		Total Quantity in Ton	
		During Previous Financial Year (1st April'2023 to 31st March'2024)	During the current Financial Year (1st April' 2024 to 31st March' 2025)
a.	From Process	NA	NA
b.	From Pollution Control Facilities	NA	NA
c.	(1) Quantity recycled		
	E-Waste	7.01 MT	2.15 MT
	Battery Waste	0	5.08 MT
	(2) Sold		
	Fly Ash	6905.23 MT	6228.38
	(3) Disposed	0	0

PART-F

Please specify the characterizations (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

- Please refer Annexure-2 for waste wise characteristics and disposal methodology.

PART - G

Impact of the pollution abatement measures taken on the conservation of natural resources and on the cost of production.

- We are a Zero liquid discharge unit, all the effluent generated from the plant are treated in ETP, Bioreactor, RO, MEE and ATFD to complete the ZLD process.
- Raw material Drums are utilized for collection & disposal of hazardous liquid waste to the Common Incineration Site.
- Use of STP treated water for plantation and gardening purposes.
- The unit has diverted waste from incineration/landfill to co-processing.
- We are sending distillation/process residue to co-processing.
- Bag-Filter, Cyclone separator and are provided in the Thermic fluid Heaters and Wet Scrubber for Hot Air Generator for the Calcium Chloride Plant.
- Utilization of spent HCl as a resource for manufacturing of export grade CaCl₂.



- Calcium Chloride sludge generated from the process is being sent to Cement Industries for Co-processing.
- Non recyclable liner bags are sent to the cement industry for co-processing instead of landfilling.
- 100% Fly ash is being sent to the bricks manufacturing unit.
- Installation of Industrial Shredding machine for shredding of non-contaminated paper waste.
- Quality of Calcium carbonate improved leading to reduction of Calcium chloride sludge generation.

PART - H

Additional measures/investment proposal for environment protection including abatement of pollution/prevention of pollution

Sr. No.	Particular	Cost (in Rs. Lakhs)
1	Development of Green belt	7.2
2	ESP Installation for 15 TPH Boiler	150
3	ESP and OCEMS Installation for new 35 TPH Boiler	250
4	New Fly Ash Silo	80
5	Structure strengthening of Alkali Scrubber HAG Plant	40
6	Replaced old scrubber with new one in Chlorination plant	30



PART-I

Any other particulars for improving the quality of the environment

- We are continuously developing the Green Belt inside and outside the boundary.
- We are ISO 14001:2015, ISO 9001:2015, ISO 45001:2018, & ISO:50001 certified Company.
- ICC (Indian Chemical Council) have awarded Responsible Care Logo.
- The unit has obtained a Zero Waste to Landfill certificate from Eurofins.
- We have received 14th Exceed Environment Award in "Environment Preservation" by Sustainable Development Foundation - a unit of Ek Kaam Desh Ke Naam.
- The unit has opted for a Together For Sustainability Audit.
- The unit has secured Gold Award in EcoVadis, which is a rating platform to assess corporate social responsibility and sustainable development.
- Reaction generated heat is used for low pressure steam generation.
- Gold Medal in the EcoVadis CSR assessment 2025.
- Aarti Industries Limited (AIL) has earned the Leadership Band "A" in CDP Climate Change and Leadership Band "A-" in CDP Water Security for the year 2024.
- The unit has installed OCEMS for stack and treated effluent for real time monitoring and the same has been connected to the CPCB portal.
- We are carrying out Ambient Air Monitoring weekly twice.
- We have prepared the Sustainability Report and Uploaded it on the Company website.



(Signature of a person carrying out an
Industry Operation or process)

Date:- 09.05.2025

Name : **K. Madhusoodhanan**
Designation : Assistant Vice President



Annexure-1
Production Details

Production Data (MT)							
Month	Cogeneration power plant (CPP) (MWh)	Chlorination of benzene, toluene (Other derivatives)	Mononitro derivatives (Other derivatives)	Hydrogenated/reduction	Phthalate derivatives	Calcium chloride	Physical Separation (MDCB Rich Mixture/ ODCB Rich Mixture)
Apr'24	1.59	2538.685	1213.292	11179.673	170.500	1644.000	1021.801
May'24	1.61	2490.046	1121.221	11553.920	1239.000	2121.000	1534.023
Jun'24	1.780	2079.013	768.758	12964.225	828.600	1635.000	1413.361
Jul'24	1.70	489.501	505.963	12792.963	1131.900	570.000	2028.375
Aug'24	1.50	2237.108	1005.555	7789.037	715.600	2302.000	1217.665
Sep'24	1.45	2975.758	439.035	4368.337	1238.400	1941.000	1132.411
Oct'24	1.59	1046.923	321.343	10357.411	978.800	1399.000	948.674
Nov'24	1.61	1615.423	212.875	11187.821	1103.300	1395.000	1372.935
Dec'24	1.67	346.377	306.500	15257.051	619.200	1946.000	1513.068
Jan'25	1.62	1619.753	245.650	11369.514	966.600	2250.000	519.282
Feb'25	1.569	2793.759	211.900	10655.620	1209.800	2181.000	370.893
Mar'25	1.567	1060.567	244.050	13177.068	1007.3	1849	1062.269
Total (MT)	-	21292.91	6596.14	132652.64	11209.00	21233.00	14134.76



Annexure-2
Details of Hazardous Waste and its management

Sr. No.	Category	Waste Type	Composition	Disposal Methodology
1.	35.3	ETP Sludge & MEE/ATFD Salt	Solid	Collection, Storage, Transportation and Disposal at Common TSDF site
2.	5.1	Used Oil	Liquid	Collection, storage, Transportation & and Disposal by Selling to registered recyclers.
3.	33.1	Discarded Containers, Barrels, Drums	Solid	Collection, Storage, Transportation and Disposal by selling to authorized decontaminator.
4.	26.1	Sludge from Calcium Chloride Plant	Solid	Collection, Storage, Transportation and Disposal at Common TSDF site or co-processing.
5.	B 15	Spent HCL	Liquid	Collection, Storage, Transportation & Sold to authorized agency under Rule 9 or inhouse utilization.
6.	B 15	Spent Sulphuric Acid	Liquid	Collection, Storage, Transportation and sold to Authorized agency under Rule 9
7.	26.1	Process residue	Liquid	Collection, Storage, Transportation and sent to Incineration/Pre/Co-processing at approved facility
8.	S1	Insulation waste	Solid	Collection, Storage, Transportation and Disposal at TSDF
9.	Z14	Fly Ash	Solid	Collection, Storage, Transportation and Disposal by selling to brick manufacturers.



Hazardous Waste Details

Sludge from Calcium Chloride Plant 26.1 (MT)				
Month	Opening stock	Generation	Disposal (Landfill / Co-processing)	Closing stock
Apr'24	73.08	580.00	555.20	97.88
May'24	97.88	605.00	664.06	38.82
Jun'24	38.82	565.00	555.14	48.68
Jul'24	48.68	222.00	221.56	49.12
Aug'24	49.12	691.00	327.12	413.00
Sep'24	413.00	402.00	259.37	555.63
Oct'24	555.63	283.00	457.53	381.10
Nov'24	381.10	681.00	1037.43	24.67
Dec'24	24.67	385.88	266.66	143.89
Jan'25	143.89	226.00	339.43	30.46
Feb'25	30.46	105.19	74.88	60.77
Mar'25	60.77	121.00	131.35	50.42
Year's Cumulative (1st April - 2024 to 31st March- 2025) MT				
FY 24'25	73.08	4867.07	4889.73	50.42

ETP Sludge --- 35.3 (MT)				
Month	Opening stock	Generation	Disposal	Closing stock
Apr'24	0.05	172.00	149.45	22.60
May'24	22.60	151.00	151.05	22.55
Jun'24	22.55	146.00	146.93	21.62
Jul'24	21.62	104.00	73.59	52.03
Aug'24	52.03	127.00	74.24	104.79
Sep'24	104.79	120.00	0.00	224.79
Oct'24	224.79	101.00	125.09	200.70
Nov'24	200.70	123.00	300.30	23.40
Dec'24	23.40	106.12	49.50	80.02
Jan'25	80.02	100.64	173.72	6.94
Feb'25	6.94	67.81	48.36	26.39
Mar'25	26.39	49.00	57.22	18.17



Year's Cumulative (1st April - 2024 to 31st March- 2025) MT				
FY 24'25	0.05	1367.57	1349.45	18.17

Process Residue 26.1 (MT)				
Month	Opening stock	Generation	Disposal (Incineration/ Co processing/ Pre processing)	Closing stock
Apr'24	10.49	40.00	43.53	6.96
May'24	6.96	35.00	26.87	15.09
Jun'24	15.09	34.00	26.28	22.81
Jul'24	22.81	38.00	52.11	8.70
Aug'24	8.70	34.00	23.60	19.10
Sep'24	19.10	54.00	22.15	50.95
Oct'24	50.95	79.00	53.35	76.60
Nov'24	76.60	99.00	119.70	55.90
Dec'24	55.90	87.00	107.97	34.93
Jan'25	34.93	47.00	76.03	5.90
Feb'25	5.90	20.00	0.00	25.90
Mar'25	25.90	45.00	60.40	10.50
Year's Cumulative (1st April - 2024 to 31st March- 2025) MT				
FY 24'25	10.49	612.00	611.99	10.50

Discarded container/liner/plastic 33.1 (MT)				
Month	Opening stock	Generation	Disposal (Co processing)	Closing stock
Apr'24	0.00	1.50	0.00	1.50
May'24	1.50	6.00	4.97	2.53
Jun'24	2.53	5.00	6.16	1.37
Jul'24	1.37	0.00	0.00	1.37
Aug'24	1.37	11.50	12.48	0.39
Sep'24	0.39	1.50	0.00	1.89
Oct'24	1.89	0.00	1.89	0.00
Nov'24	0.00	4.00	0.00	4.00
Dec'24	4.00	10.00	13.63	0.37



Jan'25	0.37	11.26	11.49	0.14
Feb'25	0.14	5.00	0.00	5.14
Mar'25	5.14	3.00	5.10	3.04
Year's Cumulative (1st April - 2024 to 31st March- 2025) MT				
FY 24'25	0.00	58.76	55.72	3.04

Used Oil -- 5.1 (MT)				
Month	Opening stock	Generation	Disposal (Recycler)	Closing stock
Apr'24	0.00	0.00	0.00	0.00
May'24	0.00	0.00	0.00	0.00
Jun'24	0.00	0.00	0.00	0.00
Jul'24	0.00	0.00	0.00	0.00
Aug'24	0.00	0.00	0.00	0.00
Sep'24	0.00	0.00	0.00	0.00
Oct'24	0.00	0.00	0.00	0.00
Nov'24	0.00	0.00	0.00	0.00
Dec'24	0.00	0.00	0.00	0.00
Jan'25	0.00	0.00	0.00	0.00
Feb'25	0.00	0.00	0.00	0.00
Mar'25	0.00	1.00	0.00	1.00
Year's Cumulative (1st April - 2024 to 31st March- 2025) MT				
FY 24'25	0.00	1.00	0.00	1.00

Spent HCl - B15 (MT)				
Month	Opening Balance	Generated	Disposed (Inhouse)	Closing stock
Apr'24	4.53	4615.63	4527.25	92.90
May'24	92.90	4222.96	4186.46	129.40
Jun'24	129.40	4027.29	4064.68	92.01
Jul'24	92.01	578.20	555.40	114.81
Aug'24	114.81	5481.03	5448.91	146.93
Sep'24	146.93	5102.96	5146.88	103.02
Oct'24	103.02	2664.80	2645.84	121.98
Nov'24	121.98	2337.25	2362.22	97.01



Dec'24	97.01	0.00	14.83	82.18
Jan'25	82.18	2439.93	2356.50	165.61
Feb'25	165.61	3575.95	3601.88	139.69
Mar'25	139.69	1235.24	1285.43	89.49
Year's Cumulative (1st April - 2024 to 31st March- 2025) MT				
FY 24'25	4.53	36281.23	36196.27	89.49

Spent HCl - B15 (MT) Reception				
Month	Opening Balance	Reception	Recycle	Closing stock
Apr'24	0.00	858.51	858.51	0.00
May'24	0.00	232.66	232.66	0.00
Jun'24	0.00	389.48	389.48	0.00
Jul'24	0.00	986.42	986.42	0.00
Aug'24	0.00	1182.80	1182.80	0.00
Sep'24	0.00	25.97	25.97	0.00
Oct'24	0.00	947.84	947.84	0.00
Nov'24	0.00	884.62	884.62	0.00
Dec'24	0.00	3786.84	3786.84	0.00
Jan'25	0.00	2722.42	2722.42	0.00
Feb'25	0.00	656.13	656.13	0.00
Mar'25	0.00	3484.91	3484.91	0.00
Year's Cumulative (1st April - 2024 to 31st March- 2025) MT				
FY 24'25	0.00	16158.60	16158.60	0.00

Spent Sulphuric Acid - B15 (MT)				
Month	Opening Balance	Generated	Disposed (Under Rule 9)	Closing Balance
Apr'24	98.24	571.30	592.85	76.69
May'24	76.69	505.78	527.47	55.00
Jun'24	55.00	377.67	381.76	50.91
Jul'24	50.91	293.15	234.07	110.00
Aug'24	110.00	492.64	497.26	105.38
Sep'24	105.38	187.06	235.03	57.40
Oct'24	57.40	166.63	145.72	78.32



Nov'24	78.32	129.58	158.58	49.31
Dec'24	49.31	131.71	87.21	93.81
Jan'25	93.81	116.59	159.01	51.39
Feb'25	51.39	72.35	77.21	46.53
Mar'25	46.53	40.01	0.00	86.55
Year's Cumulative (1st April - 2024 to 31st March- 2025) MT				
FY 24'25	98.24	3084.48	3096.17	86.55

Insulation Waste – S1 (MT)				
Month	Opening Balance	Generated	Disposal	Closing Balance
Apr'24	0.21	2.00	1.70	0.51
May'24	0.51	0.00	0.00	0.51
Jun'24	0.51	1.00	0.00	1.51
Jul'24	1.51	0.00	0.00	1.51
Aug'24	1.51	1.00	0.00	2.51
Sep'24	2.51	3.00	0.00	5.51
Oct'24	5.51	2.00	7.30	0.21
Nov'24	0.21	3.50	1.52	2.19
Dec'24	2.19	6.70	2.87	6.02
Jan'25	6.02	7.50	11.38	2.14
Feb'25	2.14	5.50	7.37	0.27
Mar'25	0.27	14.11	14.38	0.00
Year's Cumulative (1st April - 2024 to 31st March- 2025) MT				
FY 24'25	0.21	46.31	46.52	0.00

Fly Ash data				
Month	Opening (MT)	Generation (MT)	Sale (MT)	Closing (MT)
April 2024	0.00	574.57	573.54	1.03
May 2024	1.03	512.00	509.99	3.04
June 2024	3.04	452.00	448.12	6.92
July 2024	6.92	554.00	553.05	7.87
August 2024	7.87	383.73	246.76	144.84
September 2024	144.84	402.00	490.34	56.50



October 2024	56.50	400.00	400.43	56.07
November 2024	56.07	450.00	465.49	40.58
December 2024	40.58	600.00	421.74	218.84
January 2025	218.84	743.00	960.85	0.99
February 2025	0.99	560.00	551.43	9.56
March 2025	9.56	597.08	606.64	0.00
Year's Cumulative (1st April - 2024 to 31st March- 2025) MT				
FY 24'25	0.00	6228.38	6228.38	0.00

