Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000070383	19-09-2024

PART A

Company Information

Company Name	***Application UAN number***
M/s Aarti Pharmalabs Limited	CC/UAN NO. 0000090649/CR 2007001580

Address

Plot No. K-17/18/19, MIDC, Tarapur, Boisar, Tal/Dist. Palghar

Plot no	***Taluka***	***Village***
K-17/18/19	Palghar	MIDC Tarapur
Capital Investment (In lakhs)	***Scale***	***City***
5570	RED-LSI	Boisar
Pincode	***Person Name***	***Designation***
401506	Mr. Suresh L Khimasia	Unit Head
Telephone Number	***Fax Number***	***Email***
7798880839	02525272524	suresh.khimasia@aarti-industries.com
Region	***Industry Category***	***Industry Type***
SRO-Tarapur I	Red	R58 Pharmaceuticals
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	format 1.0/CC/UAN NO. 0000090649/CR 2007001580	27/07/2020
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
30/04/2025	1995	Sep 24 2023 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Theophylline IP/BP/USP	600	416.63	MT/A
Aminophylline IP/BP/USP	120	68.31	MT/A
Etophylline IP/BP/USP	600	241.74	MT/A
Caffeine IP/BP/USP and Food Grade	3600	1491.12	MT/A
Sodium Theophyllinate	3000	1779.43	MT/A
Uracil	600	12.14	MT/A
Nitrosouracil	600	0	MT/A

Theobromine IP/BP/USP	120	0	MT/A
Cyano Acetic Acid	360	0	MT/A
Acephylline Piperazine	12	0	MT/A
Theophylline crude	720	659.94	MT/A
Choline Theophyllinate BP	12	0	MT/A
Diprophylline BP/USP	24	0	MT/A

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Acetic Acid	4320	4203.37	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	***Consent Quantity in m3/day***	***Actual Quantity in m3/day***
Process	106	84.00
Cooling	580	239.00
Domestic	17	14.00
All others	0	3.00
Total	703	340.00

2) Effluent Generation in CMD / MLD

Particulars	***Consent Quantity***	***Actual Quantity***	***UOM***
Trade Effluent	432	293	CMD
Domestic Effluent	6	5.7	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	***During the Previous financial Year***	***During the current Financial year***	***UOM***
Theophylline IP/BP/USP	15.34	18.36	CMD
Aminophylline IP/BP/USP	0.39	0.95	CMD
Etophylline IP/BP/USP	7.46	8.58	CMD
Caffeine IP/BP/USP and Food Grade	51.89	44.92	CMD
Sodium Theophyllinate	2.75	6.03	CMD
Uracil	0.00	0.99	CMD
Theophylline Crude	4.29	4.37	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	***During the Previous financial Year***	***During the current Financial year***	***UOM***
Acetic Anhydried	4485.98	5383.17	MT/A
Activated Carbon	158.22	189.86	MT/A
Caustic Soda Lye	1839.81	2207.77	MT/A
Catalyst	0.72	0.78	MT/A
DMS	1677.11	1451.96	MT/A

EDA	7.47	8.96	MT/A
Formic Acid	2084.51	2501.41	MT/A
HCL	7960.39	8552.46	MT/A
Hydrogen Gas	1858.54	2230.24	MT/A
Sodium Nitrite	2503.04	2803.64	MT/A
Sodium Chloride	1457.75	1749.3	MT/A
Zink Dust	0.23	0.27	MT/A
Caustic Soda Flakes	1.7	2.04	MT/A
CAA	2950.94	3341.12	MT/A
DMU	3341.48	3809.77	MT/A

4) Fuel Consumption

Fuel Name	***Consent quantity***	***Actual Quantity***	***UOM***
Coal	12600	11756.51	MT/A
Diesel	54000	14745	Ltr/A

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
pH	0	7.2	NA	5.5-9.5	NA
COD	17.2	215	14.0	250 Mg/Lit	Not discharge we recycle
BOD	4.73	58.91	41.09	100 Mg/Lit	Not discharge we recycle
TSS	4.46	55	45	100 Mg/Lit	Not discharge we recycle
O&G	0	0	NA	10 Mg/Lit	Not discharge we recycle

[B] Air (Stack)

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/NM3)***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
Particulate Matter	46.75	83.5	44.3	150 Mg/NM3	NA
SO2 (Boiler)	57.89	401.81	83.4	350 Kg/Day	NA
NOx	4.02	7.15	85.7	50 Mg/NM3	NA
Acid Mist	0.26	6.11	82.5	35 Mg/NM3	NA
SO2 (DG Set)	1.56	31.0	71.1	5.4 Kg/day	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
28.2 Spent catalyst	2.47	3.2	MT/A
28.3 Spent carbon	358.5	369.25	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	603	615	Nos./Y

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	69.42	77.31	MT/A
28.1 Process Residue and wastes	6036.41	7660.16	MT/A
28.6 Spent organic solvents	41.03	21.09	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Coal Ash	581	638	MT/A
MS Scrap Materials	08	07	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
28.1 Process Residue and wastes	7660.16	MT/A	95% Sodium Chloride and Sodium Sulphate Salt Send to landfilling at CHWTSDF.
28.3 Spent carbon	369.25	MT/A	70% Carbon and 30% Moisture in spent carbon send to cement kiln through pre-processing unit
35.3 Chemical sludge from waste water treatment	77.31	MT/A	65% Mix Chemical Sludge and 35% moisture send to landfilling at CHWTSDF.
28.2 Spent catalyst	3.2	MT/A	85% pd catalyst send to recovery plant for reuse.

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	0	MT/A	NA

Part-G

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

Description	*Reduction in Water Consumption (M3/day)*	*Reduction in Fuel & Solvent Consumption (KL/day)*	*Reduction in Raw Material (Kg)*	*Reduction in Power Consumption (KWH)*	*Capital Investment(in Lacs)*	*Reduction in Maintenance(in Lacs)*
ETP,RO& MEE, ATFD Plant O&M, cost of Consumables, Labor Charges, cost of Environmental Monitoring, Electrical Energy, Environmental Audit Statement, Water Supply, House Keeping, Online Monitoring Syst	10	0	0	0	90	20

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
ETP In that oil Separator, Screen Chambers, Equalization Tank, Neutralization Tank, Primary Clarifier, Aeration tank, Secondary clarifier, Sludge Drying Bed, Sand Filter, Carbon Filter, Final Sump, RO	1. ETP Process 2. RO System 3. MEE Plant 4. Scrubber, Bag Filter, Cyclone Filter 5. Air and water online Monitoring System 6. Tree Plantation.	80

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
ETP , Water & Air analysis , Continuous Monitoring , Development of ETP and minimize the pollution , Planning For Minimize the Water Pollution, installation of MEE/MVR, ATFD etc.	ETP Recondition, Air, Water , Noise Sampling and analysis from out source, Tree Plantation , Proposed the Water , Air Pollution Minimized installation of MEE/MVR with ATFD etc.	90

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Green drive is the major contribution to create environment clean and healthy. Continue to achieved the ZLD and minimize the natural resources i.e. water , as well as minimize air pollution. Our aim to minimize the pollution load on Environment with safety precaution.

Name & Designation

Mr. Suresh L. Khimasia (Unit Head)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000070383

Submitted On:

19-09-2024