Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000061672	30-09-2023

PART A

Company Information

Company Name	***Application UAN number***	
InventyS Research Company Pvt Ltd	MPCB-CONSENT-0000121034	
Address		
Inventys Research Company Pvt limited		
Plot no	***Taluka***	***Village***
K-38, Five Star Industrial Area MIDC Butibori	Hingna	Kirmiti
Capital Investment (In lakhs)	***Scale***	***City***
13031	MSI	NAGPUR
Pincode	***Person Name***	***Designation***
441122	Shrinivas Holennavar	DGM Works
Telephone Number	***Fax Number***	***Email***
9619666335	0	MPCB@inventys.in
Region	***Industry Category***	***Industry Type***
SRO-Nagpur II	Red	R22 Organic Chemicals manufacturing
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format1.0/CC/UAN No.0000121034/CR/2303000461	2023-03-06
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2026-07-31	2008	Aug 16 2022 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
P487	120	14.82	MT/A
P452	12	3.06	MT/A
P485	120	1.18	MT/A
P149	4320	1061.40	MT/A
P516	12	1.24	MT/A
P525	12	0.02	MT/A
P497	12	6.29	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
Recovered Acetic Acid	33.60	21.84	MT/A
Recovered Methanol/Acetone/Methylene Chloride/Toluene	51.60	47.17	MT/A
Spent Sodium Bromide Solution	532.8	32.542	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	116.00	31.00
Cooling	320.00	150.00
Domestic	50.00	41.00
All others	10.00	8.00
Total	496.00	230.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	154.8	35	CMD
Domestic Effluent	47.5	23	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
P487	1	1	
P452	35	0	
P485	29	28.85	
P149	0.82	0	
P516	4.8	0	
P497	6.5	0	

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
30%HCL	5.716	9.916	MT/A
Acetic acid	1848.78	0.00	MT/A
Acetic Anhydride	16.47	0.00	MT/A
Activated carbon	0.19	0.00	MT/A
Ammonia Gas	797.70	1.31	MT/A
Ammonium carbonate	2.27	3.92	MT/A
Ammonium chloride	0.32	0.60	MT/A
CA046 Catalyst	0.15	0.00	MT/A
Calcium Chloride	92.56	0.00	MT/A
Catalyst 1023	0.07	0.00	MT/A

Caustic Lye	31.44	59.59	MT/A
Caustic Soda Flakes	4.15	0.00	MT/A
DIPE	2.51	0.00	MT/A
Ethyl Acetate	10.80	0.00	MT/A
Fresh Toluene	2.09	0.00	MT/A
Hydrogen Gas	0.54	225.0	MT/A
Kal Kat catalyst 4061	0.36	0.18	MT/A
Liquor Ammonia	19.85	38.76	MT/A
MDC	12.93	0.00	MT/A
Methanol	30.20	7.39	MT/A
P440.RM02	32.0	54.50	MT/A
P452.RM01	12.10	0.00	MT/A
P452.RM03	11.72	0.00	MT/A
P487. RM01	3.54	5.40	MT/A
P497.S3	6.87	0.00	MT/A
P516.RM01	1.68	0.00	MT/A
P516.RM02	0.42	0.00	MT/A
P516.RM03	0.45	0.00	MT/A
PCL5	3.72	0.00	MT/A
Sodium Bicarbonate	0.17	47.65	MT/A
Sodium Bisulfite	8.75	0.00	MT/A
Sodium Cyanide	3.75	0.00	MT/A
Sodium Methoxide solution	16.50	0.00	MT/A
Sulphuric Acid 98%	649.30	20.70	MT/A
Toluene	4.82	17.20	MT/A

4) Fuel Consumption

Fuel Name	***Consent quantity***	***Actual Quantity***	***UOM***
Bio Mass	12264	6464.39	MT/A
Bio Coal	1095	127.40	MT/A
LSHS	788.40	134.61	MT/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	35	7.56	NA	6.0 to 8.5	NA
BOD (3 days 27°C)	35	3.85	NA	100 mg/l	NA
COD	35	149.30	NA	250 mg/l	NA
TSS	35	31.75	NA	100 mg/l	NA

Oil & Grease	35	0.2	NA	10 mg/l	NA
Ammonical Nitrogen	35	1.42	NA	50 mg/l	NA
Phenolic Compounds	35	0.50	NA	1 mg/l	NA
Total Dissolved Solids	35	1260.50	NA	2100 mg/l	NA
Mercury	35	0.00	NA	0.01 mg/l	NA
Arsenic	35	0.03	NA	0.2 mg/l	NA
Chromium (Hexavalent)	35	0.03	NA	0.1 mg/l	NA
Lead	35	0.03	NA	0.1 mg/l	NA
Cyanide	35	0.05	NA	0.1 mg/l	NA
Sulphide	35	0.04	NA	2 mg/l	NA
Phophate	35	0.61	NA	5 mg/l	NA
Chloride	35	129.78	NA	600 mg/l	NA
Sulphate	35	300.38	NA	1000 mg/l	NA

[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***
TPM for Boiler-I	7678.383	51.53	0	100 mg/Nm3	NA
SO2 Boiler-I	7678.383	6.96	0	16.48 kg/d	NA
TPM for Boiler-II	19267.283	85.73	0	100 mg/Nm3	NA
SO2 Boiler-II	19267.283	26.8	0	40.32 kg/d	NA
TPM Hot Oil Unit	6026.563	73.303	0	100 mg/Nm3	NA
SO2 Hot Oil Unit	6026.563	13.82	0	43.2 kg/d	NA
TPM for TFH	1649.553	35.93	0	100 mg/Nm3	NA
SO2 for TFH	1649.553	1.95	0	3.6 kg/d	NA
TPM for DG Set 125 KVA	421.953	35.73	0	100 mg/Nm3	NA
SO2 for DG Set 125 KVA	421.953	0.64	0	4 kg/d	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	3.66	0.01	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.15	0.16	MT/A
15.2 Discarded asbestos	0.63	0	MT/A

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	6.27	2.36	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
Fly Ash	777.3	274	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
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	3.66	MT/A	NA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.15	MT/A	NA
15.2 Discarded asbestos	0.63	MT/A	NA
35.3 Chemical sludge from waste water treatment	6.27	MT/A	NA

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)
-	0	0	0	0	0	0

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)
Environment Monitoring and management	Environment Protection and compliance	2.28

Green Belt	Environment Management	3.68

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
Environment Monitoring and management	Environment Management	3.0
Green Belt	Environment Management	5.0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Trees & Shrubs Plantation in premises 2443 Nos.

Name & Designation

Shrinivas Holennavar, DGM (Works)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000061672

Submitted On:

30-09-2023