Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000038738	30-09-2021

PART A

Company Information

Company Name	***Application UAN number***	
InventyS Research Company Pvt Ltd	0000119091	
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	Shrikant Kanadey	DGM Operations
Telephone Number	***Fax Number***	***Email***
09619666336	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	Format 1.0/CAC/UAN No 0000082101/CO-2007000067	01/07/2020
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
31/07/2021	2008	Sep 19 2020 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
4-CHLORO-1-(3-CHLORO-2-PYRIDYL)-2-{[(1RS)-1-CYCLOPROPYLETHYL]CARBAMOYL}-4,5-DIHYDRO- 3-HYDROXYPYRAZOLE-5-CARBOXANILIDE	120	79.7	MT/A
Acetonitrile	3600	681.1	MT/A

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Ammonium Sulphate	600	46	MT/A

Recovered Methanol	0	381	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	119	18.00
Cooling	320	178.00
Domestic	50	28.00
All others	10	0.00
Total	499	224.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	156.3	30	CMD
Domestic Effluent	47.5	20	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
Acetonitrile	9.9	8	CMD
4-CHLORO-1-(3-CHLORO-2-PYRIDYL)-2-{[(1RS)-1-CYCLOPROPYLETHYL]CARBAMOYL}-4,5-DIHYDRO- 3-HYDROXYPYRAZOLE-5-CARBOXANILIDE	0	10	CMD
Dihydroxydiphenyl Ether (4,4-Oxydiphenol	0.05	0	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
Ammonia Gas	170.765	611.326	MT/A
Acetic Acid	382.688	1539.819	MT/A
Sulphuric Acid	75.528	435.86	MT/A
Caustic Soda Flakes	73.95	132.66	MT/A
Caustic Soda Lye	25.879	523.40	MT/A
Sodium Sulphate	0	10.99	MT/A
Ammonium Sulphate	0	4.86	MT/A
Toluene	0	116.59	MT/A
Methanol	104.942	888.15	MT/A
N-Methyl-2-Pyrrolidone	0	112.53	MT/A
Acetic Anhydride	0	103.22	MT/A
Hydrochloric Acid	0	228.85	MT/A
Cyclopropyl Methyl Ketone	0	38.39	MT/A
2 Amino 5 Chlorobenzoic Acid	0	59.20	MT/A

Maleic Anhydride	0	76.31	MT/A
2,3 Dichloro Pyridine	0	45.35	MT/A
Ethylene Dichloride	0	93.66	MT/A
Sodium Bi-Carbonate	0	30.21	MT/A
Hydrazine Hydrate 64%	0	29.04	MT/A
Hydrazine Hydrate 80%	0	0.25	MT/A
Hydrogen Gas	0	15.25	MT/A
ISO Propyl Alcohol	0	11.0	MT/A
Hydrogenated Catalyst	0	1.27	MT/A
Anhydrous Ammonia Gas Cylinder	0	0.20	MT/A
Sodium Hypochlorite	0	156.75	MT/A
Phthalimide	0	25.51	MT/A
Sulphamic Acid	0	0.23	MT/A
Aluminium Chloride	0	2.45	MT/A
Chlorine Gas	0	30	MT/A
Isatoic Anhydride	0	10.84	MT/A

4) Fuel Consumption

Fuel Name	***Consent quantity***	***Actual Quantity***	***UOM***
Bio Mass	5054.400	5720.25	MT/A
Bio Coal	1080	3.73	MT/A
Furnace Oil	4147.200	187.704	KL/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	30	8.30	NA	5.5 - 9.0	NA
Oil & Grease	30	0.2	NA	10	NA
Biological Oxygen Demand (BOD)	30	16.0	NA	100	NA
Total Suspended Solids (TSS)	30	26	NA	100	NA
Chemical Oxygen Demand (COD)	30	196	NA	250	NA
Total Dissolve Solids (TDS)	30	1742.0	NA	2100	NA
Cyanide (as CN)	30	0.05	NA	0.2	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 Boiler Stack -1	202732.80	41.2	NA	150	NA

SO2 Boiler Stack -1	202732.80	43.3	NA	NA	NA
TPM DG Set 125 KVA	408.09	33.9	NA	150	NA
SO2 DG Set 125 KVA	408.09	67.20	NA	NA	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	0.22	0.175	Ton/Y
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0	0.18	Ton/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	5.1	2.08	Ton/Y

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Sodium Sulphate	15.52	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	677.3	572.02	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Other Hazardous Waste	0	0	Ton/Y

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	0.175	Ton/Y	Send to CHWTSDF
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.180	Ton/Y	Send to CHWTSDF
35.3 Chemical sludge from waste water treatment	2.08	Ton/Y	Send to CHWTSDF

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	0	Ton/Y	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)
NA	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)
Installation of OCEMS and connection to CETP	Efficient Management of Process	10

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Installation of return pipeline in case of exceed of parameters	Avoid discharge in exceed of water parameters	10

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NA

Name & Designation

Shrikant Kanadey, DGM Operations

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000038738

Submitted On:

30-09-2021