Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000028495	29-09-2020

PART A

Company Information

Company Name	***Application UAN number***	
InventyS Research Company Pvt Ltd	0000082101	
Address		
Inventys Research Company Pvt limited		
Plot no	***Taluka***	***Village***
K-38, Five Star Industrial Area MIDC Butibori	Hingana	Kirmiti
Capital Investment (In lakhs)	***Scale***	***City***
11098	MSI	NAGPUR
Pincode	***Person Name***	***Designation***
441122	Shrikant Kanadey	Dy. Works Manager
Telephone Number	***Fax Number***	***Email***
09619666336	9619666339	skanadey@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		
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
s Methyl Phenyl Glycine Methyl Ester	499.92	10.517	MT/A
Acetonitrile	1740	119.389	MT/A
DihydroxyDiphenyl Ether (4,4-Oxydiphenol)	9.996	1.21	MT/A

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
5 Methyl 5 Phenyl Imidazolidine 2,4 Dione	62.5	8.03	MT/A
Sodium Sulphate	324	15.52	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	10
Cooling	320	57
Domestic	50	7
All others	10	0
Total	499	74

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	157	10	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
s Methyl Phenyl Glycine Methyl Ester	8.5	0..05	CMD
Acetonitrile	0	9.9	CMD
Dihydroxydiphenyl Ether (4,4-Oxydiphenol	0	0.05	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
Acetophenone	351.938	2.5	MT/A
Liquor Ammonia	678.539	5	MT/A
Carbon Dioxide	358.180	2.2	MT/A
Sodium Cyanide	145.8	1	MT/A
Caustic Soda Flakes	166.625	73.950	MT/A
Caustic Soda Lye	179.150	25.879	MT/A
Methanol	1169.654	104.942	MT/A
Sulphuric Acid	870.318	75.528	MT/A
Mono Chloro Benzene	75.350	20.370	MT/A
Anhydrous Ammonia Gas	0	170.765	MT/A
Acetic Acid	0	382.688	MT/A
Diphenyl Ether	0	5.906	MT/A
Bromine	0	12.611	MT/A
Copper Powder	0	0.378	MT/A
Cuprous Chloride	0	0.324	MT/A
Triethyl benzyl ammonium chloride	0	0.240	MT/A
Hydrogen Peroxide 30%	0	0.220	MT/A
Ethyl Acetate	0	25.652	MT/A

Activated Charcoal	0	0.731	MT/A
Sodium Dithionate	0	1.248	MT/A
n-Hexane	0	3.972	MT/A
Di Isopropyl Ether	0	12.690	MT/A

4) Fuel Consumption

Fuel Name	*Consent quantity*	*Actual Quantity*	*UOM*
Bio Mass	49320	6773	
Bio Coal	3000	68	
Furnace Oil	11520	191.37	

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*
Suspended solids	10	6	NA	100	NA
BOD	10	3	NA	100	NA
Oil & Grease	10	<0.2	NA	10	NA
Cynide	10	BDL	NA	<0.2	NA
COD	10	132	NA	250	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	16987.5 Nm3/Hr	82.3	NA	150	NA
SO2 Boiler Stack	NA	19.5	NA	NA	NA
TPM- TFH Stack	NA	NA	NA	150	NA
SO2 TFH Stack	NA	NA	NA	NA	NA
TPM DG Stack	461.6 Nm3/Hr	48.5	NA	150	NA
SO2 DG Stack	NA	20.3	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	0.512	0.325	Ton/Y
28.1 Process Residue and wastes	0	96.172	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	6.406	3.75	Ton/Y

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	*Total During Previous Financial year*	*Total During Current Financial year*	*UOM*
5 Methyl 5 Phenyl Imidazolidine 2,4 Dione	295.990	8.030	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	*Total During Previous Financial year*	*Total During Current Financial year*	*UOM*
Sodium Sulphate	366.650	15.52	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	NA	NA	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	0.325	Ton/Y	NA
35.3 Chemical sludge from waste water treatment	3.75	Ton/Y	NA

2) Solid Waste

Type of Solid Waste Generated	*Qty of Solid Waste*	*UOM*	*Concentration of Solid Waste*
Sodium Sulphate	366.650	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	Efficient Management of Process	15

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Refurbishment of Pipelines and Equipment	Efficient Process Management	25

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NA

Name & Designation

Shrikant Kanadey Dy. Works Manager

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000028495

Submitted On:

29-09-2020