



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2017

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000007974

Submitted Date

22-10-2017

PART A

Company Information

Company Name

Inventys Research Company Pvt. Ltd.

Application UAN number

12502

Address

K-38, Five Star Industrial Area, MIDC Butibori, Nagpur.

Plot no

K-38

Taluka

Hingna

Village

Kirmiti

Capital Investment (In lakhs)

2490

Scale

MSI

City

Nagpur

Pincode

441122

Person Name

Shrinivas Holenavar

Designation

Works Manager

Telephone Number

+917104265880

Fax Number

+917104265881

Email

shrinivash@inventys.in

Region

SRO-Nagpur II

Industry Category

Red

Industry Type

other

Last Environmental statement submitted online

no

Consent Number

BO/AST/RO-NG/EIC No.
NG-12988-15/R/CC-0296

Consent Issue Date

21/03/2017

Consent Valid Upto

31/07/2020

Establishment Year

Date of last environment statement submitted

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

Product Information

Product Name

s Methyl Phenyl Glycine Methyl Ester

Consent Quantity

180

Actual Quantity

180

UOM

MT/A

5 Methyl 5 Phenyl Imidazolidine 2,4-Dione

240

210.28

MT/A

By-product Information

By Product Name

Sodium Sulphate

Consent Quantity

576

Actual Quantity

183.6

UOM

MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	15	4.22
Domestic	120	82.8
All others	10	6.95
Total	0	0
	145	93.97

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	15	8.32	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	20	8.32	Ton/Ton

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	1.66	1.73	Ton/Ton
Ammonium Carbonate	2.12	2.10	Ton/Ton
Sodium Cyanide	0.64	0.69	Ton/Ton
Caustic Soda Flakes	0.79	0.72	Ton/Ton
Caustic Soda Lye	0.61	0.60	Ton/Ton
Methanol	5.05	5.22	Ton/Ton
Sulphuric Acid	4.01	4.17	Ton/Ton
MCB	0.26	0.30	Ton/Ton
Sodium Hypo Chlorite	0.13	0.12	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal/Bio-Coal/Bio Mass	585	536.24	
HSD	100	35	
Furnace Oil	480	0	

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) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Suspended Solids	0.2828 kg/day	34 Mg/Lit	within limit	< 100 mg/lit	NA

BOD	0.4368 kg/day	52.5 Mg/lit	within limit	< 100 mg/lit	NA
COD	1.456 kg/day	175 Mg/lit	within limit	< 250 mg/lit	NA
Oil & Grease	Nil	Nil	within limit	< 10 mg/lit	NA
Cyanide	Nil	BDL	within limit	< 0.2 mg/lit	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	Standard	Reason
	Quantity	Concentration	%variation		
Total Particulate Matter,mg/NM3	0.05 Kg/day	25.9 Mg/NM3	within limit	150	NA
Sulphur Oxides as SO2,mg/NM3	0.2 Kg/day	89.6 Mg/NM3	within limit	NA	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used /spent oil	NIL	NIL	Ton/Y
33.3 Discarded containers / barrels / liner	0.232	0.334	Ton/Y

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
34.3 Chemical sludge from waste water treatment	0.475	0.32	Ton/Y

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NIL	NIL	NIL	Ton/Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Sodium Sulphate	194.4	183.6	Ton/Y

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NIL	NIL	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

5.1 Used /spent oil	NIL	Ltr/A	NA
33.3 Discarded containers / barrels / liner	0.232	Ton/Y	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Sodium Sulphate	183.6	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)
Product sMPGM	3 M3/day	0.00	0.00	0.00	0.00	0.00

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)
Sewage Treatment Plant	Recycle treated water to Garden,QUALITY IMPROVEMENT	12 Lacks
Rotary cone Vacuum Dryer	Recovery of un reacted raw material	25 Lacks
New Reboiler	Enhancement of Effluent Evaporation Capacity	10 Lacks

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Pneumatic Transfer System	Reduce Dusting	10 Lacks
Up gradation of Sulphuric Acid Handling System	Minimise fugitive emission and corrosion	2 Lacks
Installation of Lighting Protection System	To provide lighting protection to site	2.5 Lacks
Scrapyard Up gradation	Environment friendly handling of scrap	1.5 Lacks

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NA

Name & Designation

Shrinivas Holenavar , Works Manager

UAN No:

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Submitted On:

22-10-2017