



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2016

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000002580

Submitted Date

21-10-2016

PART A

Company Information

Company Name

Inventys Research Company

Application UAN number

12502

Address

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

Plot no

K-38

Taluka

Hingana

Village

Kirmiti

Capital Investment (In lakhs)

2490

Scale

MSI

City

Nagpur

Pincode

441108

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

Chemicals

Last Environmental statement submitted online

no

Consent Number

BO/AST/EIC. No-NG-9712-13/R/Gen- 03716

Consent Issue Date

19/04/2014

Consent Valid Upto

31/07/2015

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

111

UOM

MT/A

5 Methyl 5 Phenyl Imidazolidine 2,4-dione

240

130.56

MT/A

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

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	120	83.5
Domestic	10	5.0
All others	0	0
Total	145	93.92

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	15	10.00	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	12.82	20	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	1.75	1.66	Ton/Ton
Ammonium Carbonate	2.1	2.12	Ton/Ton
Sodium Cyanide	0.67	0.64	Ton/Ton
Caustic Soda Flakes	0.84	0.79	Ton/Ton
Caustic Soda Lye	0.55	0.61	Ton/Ton
Methanol	5.04	5.05	Ton/Ton
Sulfuphuric Acid 98%	4.43	4.01	Ton/Ton
MCB	0.47	0.26	Ton/Ton
Sodium Hypo Chloride	0.12	0.13	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal/Bio-Coal/Biomass	585	520	
HSD	19	3000	
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	0.077 Kg/day	12 Mg/Lit	Within lim.	< 100 mg/l	NA
BOD	0.118 Kg/day	18.4 Mg/Lit	Within lim.	< 100 mg/l	NA

COD	0.333 Kg/day	52 Mg/Lit	Within lim.	< 250 mg/l	NA
Oil & Grease	Nil	0.0 Mg/Lit	Within lim.	< 10 mg/l	NA
Cyanide	Nil	BDL	Within lim.	< 0.2 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	Standard	Reason
	Quantity	Concentration	%variation		
Total Particulate Matter, mg/Nm3	47336.55 mg/hr.	89.5 Mg/NM3	Within lim.	Max. 150	NA
Sulphur Di Oxide as SO2, mg/Nm3	42629.34 mg/hr.	80.6 Mg/NM3	Within lim.	NA	NA
Sulphur Di Oxide as SO2 , Kg/Hr	0.04 Kg/hr.	0.04 Kg/hr	Within lim.	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	0.315	0.232	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	0.512	0.475	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	419.52	194.4	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
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5.1 Used /spent oil

NIL

Ltr/A RE REFINING FOR RE USE

33.3 Discarded containers / barrels / liner 0.232

Ton/Y DLF/INC AT CHWTSDF- MEPL,BUTIBORI

2) Solid Waste**Type of Solid Waste Generated**

Sodium sulphate

Qty of Solid Waste

194.4

UOM

Ton/Y

Concentration of Solid Waste

Sale

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	4 M3 /day	0.067 KL/day	26 Kg/day	0.00	02.00	4,71,397

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)**

Rain Water Harvesting Scheme is implementd

Conservation of natural resources

9.0 Lakhs

Site Up Gradation&Site infra structure projects

No dusting & Beautification

20.0 Lakhs

[B] Investment Proposed for next Year**Detail of measures for Environmental Protection****Environmental Protection Measures****Capital Investment (Lacks)**

Sewage Treatment Plant

Recycle treated water to Garden,QUALITY IMPROVEMENT

12.0 Lakhs

Rotary Cone Vacuum Dryer

Recovery of un reacted Raw Material

25.0 Lakhs

New Reboiler

Enhancement of Effluent Evaporation capacity

10.0 Lakhs

Part-I**Any other particulars for improving the quality of the environment.****Particulars**

NA

Name & Designation

Anand Kumar Tripathi- Vice President(Manufacturing)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000002580

Submitted On:

21-10-2016