



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

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

Company Information

Company Name

I. G. Petrochemicals Ltd.

Application UAN number

NA

Address

Plot No.T-2, Taloja Industrial Area, MIDC, Taloja,
Dist. Raigad - 410208

Plot no

T- 2

Taluka

Taloja

Village

Taloja Industrial Area, Raigad

Capital Investment (In lakhs)

66499.00

Scale

Large Scale Industry (LSI)

City

Taloja

Pincode

410208

Person Name

Mr. J. K. Saboo

Designation

Executive Director

Telephone Number

+912239289100

Fax Number

+912239289148

Email

jksaboo@igpetro.com

Region

SRO-Taloja

Industry Category

Red

Industry Type

R57 Petrochemicals Manufacturing (including processing of Emulsions of oil and water)

Last Environmental statement submitted online

yes

Consent Number

Formate 1.0/BO/CAC-Cell/EIC No.
NM-5370-14/1st CAC/4700

Consent Issue Date

24/04/2015

Consent Valid Upto

28/2/2018

Product Information

Product Name

Phthalic Anhydride

Consent Quantity

169110

Actual Quantity

153147.775

UOM

MT/A

Banzoic Acid

1000

905.150

MT/A

By-product Information

By Product Name

Not Applicable

Consent Quantity

0

Actual Quantity

0

UOM

MT/A

1) Water Consumption in m3/day

Water Consumption for Process**Consent Quantity in m3/day**

634

Actual Quantity in m3/day

521.19

Cooling

3452

1906.52

Domestic

14

13.70

All others

0

0

Total

4100

2441.42

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily Quantity of trade effluent from the factory	639	226.46	CMD
Daily Quantity of sewage from the factory	12	8.08	CMD
Daily quantity of treated effluent	0.00	234.54	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
Phthalic Anhydride	1.287	1.225	CMD
Benzoic Acid	0.000	0.000	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
o-Xylene	0.918	0.922	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
FO (Furnace Oil)	12600	6014.00	MT/A
HSD(High Speed Diesel)	2988	118.34	MT/A

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	Concentration	Percentage of variation from prescribed standards with reasons	Standard	Reason
pH	-	7.65		0	6.0 - 8.5	NA
Suspended Solids	3.99	17		83	100 mg/l	NA
BOD	6.45	27.5		72.5	100 mg/l	NA
COD	29.08	124		50.4	250 mg/l	NA
Oil & Grease	0	0		NA	10 mg/l	NA
Total Dissolved Solid	273.23	1165		44.52	2100 mg/l	NA
Chloride	52.11	222.2		62.97	600 mg/l	NA
Sulphate	NA	NA		NA	1000 mg/l	NA
TAN	0.05	0.2		99.6	50 mg/l	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Concentration	Percentage of variation from prescribed standards with reasons	Standard	Reason
Stack - I (Boiler)- Pthalic Anhydride - TPM	62.65	67.15		55.23	150 Mg/ Nm3	NA
Stack - I (Boiler)- Pthalic Anhydride - SO2	186.15	199.52		79.32	900 Kg/day	NA

Stack - I (Boiler) - Pthalic Anhydride - NOx	39.67	42.52	28	50 ppm	NA
Stack - II Heater (1)- Pthalic Anhydride I - TPM	4.86	84.50	43.67	150 Mg/ Nm3	NA
Stack - II Heater (1)- Pthalic Anhydride I - SO2	43.60	757.33	95.15	900 Kg/day	NA
Stack - II Heater (1)- Pthalic Anhydride I - NOx	33.52	56.60	39.84	50 ppm	NA
Stack - III Heater (2)- Pthalic Anhydride II - TPM	4.80	80.32	46.45	150 Mg/ Nm3	NA
Stack - III Heater (2)- Pthalic Anhydride II - SO2	41.39	692.42	95.40	900 Kg/day	NA
Stack - III Heater (2)- Pthalic Anhydride II - NOx	41.23	69.63	26	50 ppm	NA
Process Stack (1) - Scrubber - PA I (VOC)	139.50	78.00	71.11	270 mg/Nm3	NA
Process Stack (1) - Scrubber - PA I (SO2)	11.83	21.16	81.78	50 ppm	NA
Process Stack (2) - Scrubber - PA II (VOC)	117.18	79.00	70.74	270 mg/Nm3	NA
Process Stack (2) - Scrubber - PA II (SO2)	21.00	31.15	73.26	50 ppm	NA
Process Stack (3) - Scrubber - PA III (VOC)	117.25	82.00	69.63	270 mg/Nm3	NA
Process Stack (3) - Scrubber - PA III (SO2)	101.61	71.06	39.6	50 ppm	NA

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
1.6 Still bottoms from distillation proce	1023.49	1016.4	MT/A
1.7 Spent catalyst and molecular sieve	0	0	MT/A
5.1 Used /spent oil	2.2	4.2	MT/A
15.2 Discarded asbesto	5.98	15.3	MT/A
33.3 Discarded containers / barrels / liner	0	0	Nos./Y
35.3 Spent carbon*	19.72	11.3	MT/A
36.2 Ash from incineration of hazardous waste	17.70	0	MT/A

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	26.82	16.71	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Other debris like insulation, packaging materials etc.	0	0	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
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3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
1.6 Still bottoms from distillation proce	1023.491	1016.4	MT/A

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
1.6 Still bottoms from distillation proce	1016.4	MT/A	Viscous (Disposal - Use as fuel heater)
1.7 Spent catalyst and molecular sieve	0	MT/A	Solid (Disposal - Sent back to manufacturer)
5.1 Used /spent oil	4.2	KL/A	Liquid (Disposal - Sale CPCB / MPCB authorized reprocessor)
15.2 Discarded asbesto	15.3	MT/A	Sent to CHWTSDF
33.3 Discarded containers / barrels / liner	0	MT/A	Washed & Reused
34.3 Chemical sludge from waste water treatment	16.71	MT/A	Sent to CHWTSDF
35.3 Spent carbon*	11.3	MT/A	Sent to CHWTSDF
36.2 Ash from incineration of hazardous waste	0	MT/A	Sent to CHWTSDF

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Biological Sludge from ETP	152.51	MT/A	Solid (Disposal- CHWTSDF) - Landfilling
Other debris like insulation, packaging materials etc.	0	MT/A	Solid (Disposal- CHWTSDF)

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)
Details of Power, water consumption etc.	313.08	0.00	26549.23	0.00	0.00	0.00

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)
Effluent Treatment Plant (ETP)	Treatment of effluent prior to disposal	12533000

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	NA

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

Consent to Operate granted for Phthalic Anhydride (169110 MT/A) & Benzoic Acid (1000 MT/A) as a By - Product.

Name & Designation

Mr. J. K. Saboo (Executive Director)