



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

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

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000023709

### Submitted Date

31-05-2020

### Company Information

#### Company Name

Deepak Fertiliser & petrochemical Corporation Ltd

#### Application UAN number

1512000120

#### Address

Plot No.K8, MIDC Industrial Area

#### Plot no

Plot No.1, JNPT Tank Farm Area

#### Taluka

Uran

#### Village

Nhava Sheva

#### Capital Investment (In lakhs)

11926

#### Scale

Large

#### City

Taloja

#### Pincode

410208

#### Person Name

Pankaj Pathak

#### Designation

General Manager

#### Telephone Number

8652032084

#### Fax Number

0

#### Email

pankaj.pathak@dfpcl.com

#### Region

SRO-Taloja

#### Industry Category

#### Industry Type

other

#### Last Environmental statement submitted online

yes

#### Consent Number

Format 1.0/BO/CAC-Cell/EIC No. NM  
5001-14/2nd CAC/3770

#### Consent Issue Date

17.03.2016

#### Consent Valid Upto

30.06.2020

### Product Information

#### Product Name

Phosphoric Acid

#### Consent Quantity

7000

#### Actual Quantity

5890.21

#### UOM

Phosphoric Acid

7000

5892.17

Liquid Ammonia

15000000

14424200

### By-product Information

#### By Product Name

Nil

#### Consent Quantity

Nil

#### Actual Quantity

Nil

#### UOM

### 1) Water Consumption in m3/day

#### Water Consumption for Process

#### Consent Quantity in m3/day

3

#### Actual Quantity in m3/day

0

#### Cooling

95

47.3

#### Domestic

2

1.7

#### All others

0

0

#### Total

100

49

### **1) Effluent Generation in CMD / MLD**

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Cooling Tower Blow Down water used for gardening in own premises	6	3	CMD
Sewage Effluent to Soakpit in own premises	1.9	0.7	CMD

### **2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)**

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Nil	Nil	Nil	Ton/Ton

### **3) Raw Material Consumption (Consumption of raw material per unit of product)**

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Nil	Nil	Nil	Ton/Ton

### **4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
High Speed Diesel (HSD) for 02 Nos of DG Sets	2277.6	766.7	KL/A
Liquified Petroleum Gas (LPG) for Flare	35.040	9.2	MT/A

### **Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)**

#### **[A] Water**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
pH	3	6.3	0	6.0 - 8.5	NA
Temperature	3	27.8	0	Should not exceed 5 Deg. Celcius above the ambient temperature of the receiving body	NA
Oil & Grease	0.00384	1.28	0	10 mg/l	NA
BOD (3 days 27 Deg. Celcius	0.093	31	0	100 mg/l	NA
Total Dissolved Solids	3.942	1314	0	2100 mg/l	NA
Bioassay Test	95% survival of fish after first 96 Hrs in 100% effluent	95% survival of fish after first 96 Hrs in 100% effluent	0	90% survival of fish after first 96 Hrs in 100% effluent	NA

#### **[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
TPM/SPM from 625 KVA DG Set	0.19	39	0	150 mg/Nm3	NA
TPM/SPM from 500 KVA DG Set	0.4640	39	0	150 mg/Nm3	NA

## **HAZARDOUS WASTES**

### **1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	0.275	0.941	MT/A

### **2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	NA	NA	MT/A

## **SOLID WASTES**

### **1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
NA	NA	NA	MT/A

### **2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
NA	NA	NA	MT/A

### **3) Quantity Recycled or Re-utilized within the unit**

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	NA	NA	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**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	0.941	MT/A	Sent to sister concern DFPC, Plot K-8, MIDC Taloja to be sent to MPCB approved Used Oil recycler.

### **2) Solid Waste**

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
NA	NA	MT/A	NA

**Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.**

<b>Description</b>	<b>Reduction in Water Consumption (M3/day)</b>	<b>Reduction in Fuel &amp; Solvent Consumption (KL/day)</b>	<b>Reduction in Raw Material (Kg)</b>	<b>Reduction in Power Consumption (KWH)</b>	<b>Capital Investment(in Lacs)</b>	<b>Reduction in Maintenance(in Lacs)</b>
NA	NA	NA	NA	NA	NA	NA

**Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.**

### **[A] Investment made during the period of Environmental Statement**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Development of Green Belt around the periphery	Plantation of Ashok Trees	0.04

### **[B] Investment Proposed for next Year**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
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***Any other particulars in respect of environmental protection and abatement of pollution.******Particulars***

Fixed Ammonia Detectors are installed at various locations for early detection of Ammonia and interlocks are provided through DCS Panel.

***Name & Designation***

Pankaj Pathak General Manager - EHS