

## DFPCL-K1/EHS/Env/2021-22/2

Date: 24-May-21

Additional Principal Chief Conservator of Forest (C), Ministry of Environment, Forest & Climate Change, Regional Office (WCZ),Ground Floor, East Wing, New Secretariate Building, Civil Lines Nagpur – 440 001, Maharashtra.

## **Reference:**

1. EC granted for Iso Propyl Alcohol vide file no. (J-11011/218/2004-IA II(I) dt 24.02.2006).

## Sub: Half yearly Environmental Clerance Compliance report.

Dear Sir,

Please find enclosed the half yeraly EC compliance report of **Iso Propyl Alcohol plant** for the period of **October-2020 to March -2021**.

This is for your information and records please.

Thanking you,

Yours faithfully,

For, DEEPAK FERTILISERS AND PETROCHEMICALS CORP. LTD.,

DEEPAK PANDE Head (EHS)

CC:

- 1. SRO, MPCB, Raigad Bhavan, 7th Floor, Sector-11, CBD-Belapur, Navi Mumbai 400614.
- 2. Ministry of Environment, Forest, 1<sup>st</sup> Floor, New Administrative Building, Mantralaya, Mumbai 400032.
- 3. CPCB Parivesh Bhawan, Opp. VMC Ward Office No. 10, Shubhanpura, Vadodara, Gujarat

FACTORY : Plot K-1, MIDC Industrial Area, Taloja 410 208, Dist. RAIGAD Tel : + 91 22 6768 4000 Fax : + 91 22 2741 2413

CORPORATE OFFICE : Sai Hira, Survey No. 93, 25 / A1 and 25 / B1, CTS - 1130, Mundawa Ghorpadi Road, Mundawa, Pune - 411 036 Tel. : + 91 20 6645 8000 Web : www.dfpcl.com CIN : L24121MH1979PLCO21360



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**FACTORY :** Plot K-1, MIDC Industrial Area, Taloja 410 208, Dist. RAIGAD Tel : + 91 22 6768 4000 Fax : + 91 22 2741 2413

			DATA SHEET
1		Project type: River - valley/ Mining / Thermal/ Industry / Nuclear/ Other (specify)	Industry
2		Name of the project	Iso Propyl Alcohol (IPA 70000 MTA) Project at MIDC, Taloja, Maharashtra by Deepak Fertilisers & Petrochemicals
			Corporation Limited
3		Clearance letter ( s ) /OM No. and Date	EC granted for Iso Propyl Alcohol vide file no. (J-11011/218/2004-IA II(I) dt 24.02.2006)
4		Location	
	a.	District ( S )	Raigad
	b.	State ( S)	Maharashtra
	c.	Latitude/longitude	19°04'11.3"N/73°08'04.1"E
5		Address for correspondence	
	a.	Address of Concerned Project Chief Engineer ( with pin code & Telephone/ telex/ fax	Mr. Deepak Pande (Sr.GM-EHS),
		numbers	M/s Deepak Fertilisers & Petrochemicals Corporation Ltd.
			Plot No. K-1, MIDC Industrial area, Taloja, District Raigad – 410208, Maharashtra.
			Phone: - 022-50684221, 9920942161
	b.	Address of Executive Project: Engineer/Manager ( with pincode/ Fax numbers)	Same as above
6		Salient features	
		of the project	Annexure-A
		of the environmental management plans	Annexure-B
7		Break up of the project area	
			NA, (MIDC Land)
			NA
8			NA, (MIDC Land)
		houses/dwelling units Only agricultural land only, both Dwelling units & agricultural	
		Land & landless labourers/artisan	
			NA, (MIDC Land)
		, , , , , , , , , , , , , , , , , , ,	NA
		systematic survey carried out Or only provisional figures, it a Survey is carried out give	
		details And years of survey)	
9		Financial details.	153.7 Crores
		Project cost as originally planned and subsequent revised estimates and the year of price reference	
			Yes.
			Year 2020-21 for Plot K-1 to K-8.
			1)Rs. 5 lakhs forInstallation of Weather Monitoring Station
			2)Rs. 41 lakhs for Plantation and Maintenance of Tree plantation
			3)Rs. 40 lakhs for Adequacy study for ETP and APCD
			4)Rs. 27 lakhs for ETP1 improvements
			5)Rs. 8 lakhs for AMC for CEMS
			6)Rs. 0.5 Jakhs for AMC for AAQMS
			7)Rs. 0.7 lakhs AMC for PM Analyzer
			8)Rs. 1.5 lakhs for Spare for CFB CEMS Analyser
			9)Rs. 13 lakhs for Spare of CEMS
			10)Rs. 16 lakhs for Spare for AAQMS
	-		
		Benefit cost ratio/Internal rate of Return and the year of assessment	
	α.	Whether ( c ) includes the Cost of environmental management as shown in the above.	res
	e.	Actual expenditure incurred on the project so far.	- -
		Actual expenditure incurred on the environmental management plans so far	-
10		Forest land requirement	

10		Forest land requirement	
	a.	The status of approval for diversion of forest land for non-forestry use	NA, (MIDC Land)
	b	The status of compensatory afforestation program in the light of actual field	NA, (MIDC Land)
		experience so far	
11		The status of clear felling in Non-forest areas (such as submergence area of reservoir,	NA, (MIDC Land)
		approach roads), it any with quantitative information	
12		Status of construction	
	a.	Date of commencement ( Actual and/or planned)	Year 2005
	b.	Date of completion (Actual and/of planned )	Year 2006
13		Reasons for the delay if the Project is yet to start	NA
14		Dates of site visits	
	a.	The dates on which the project was monitored by the Regional Office on previous	NA
		Occasions, if any	
	b.	Date of site visit for this monitoring report	NA
15		Details of correspondence with Project authorities for obtaining Action	NA
		plans/information on Status of compliance to safeguards Other than the routine	
		letters for Logistic support for site visits )	

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#### **Executive Summary**

#### 1.0 Introduction

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The Deepak Group of industries one of the major groups in Maharastra state is proposing to set up India's first plant for manufacturing Isopropyl Alcohol (IPA).in technological collaboration with US-based Equistar-LyondelD The facility will have a capacity to produce 70,000 tonnes of IPA at its Taloja unit in Raigad District of Maharashtra with a capital outlay of Rs 153.7 crores, meeting India's major requirement of the chemical. IPA is a key ingredient in sectors such as pharma, agrochemicals, organic chemicals, imaging (printing &inks), health care & paint industry.

DFPCL's business can be broadly categorized into the following divisions

- Industrial Chemicals
- Ammonium Nitrate
- Agri-Inputs Marketing
- Crop Science Division

1.1 Need For The Project

- The IPA market in the country has immense potential and the consumption was estimated to be 62,000 MTPA in year 2002 – 2003 and the estimated consumption in the year 2005 would be 72,500 MTPA.
- IPA is extensively used by pharmaceutical companies, agrochemicals industry and also in manufacturing of inks and other components required for printing.
- The company will target the huge IPA market in India, which is at present 100 per cent dependent on imports as there are no domestic manufacturers.
- IPA consumption in the country is growing by around seven percent annually.

### 1.2 Need For EIA Studies

In all manufacturing industries, the plant activities must co-exist satisfactorily with its surrounding environment so as to reduce the environmental impact caused due to these activities. In order to assess the likely impacts arising out of the proposed

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project on the surrounding environment and evaluating means of alleviating the likely negative impacts, if any, from the proposed project, Rapid Environmental Impact Assessment (REIA) studies carried out for various environmental components which are likely to be affected.

The REIA Studies for the proposed IPA manufacturing project deals with detailed studies for various environmental components viz. Air, noise, water, land, biological and socio-economic environment.

**1.3 The Surroundings** 

The industrial area is well connected to the state and national road network The state highway SH-I connecting Pune and Thane passes from a distance of 4.0 km from the SW of the site. There is a district approach road connecting the industrial area to the state highway.

The nearest railway station Navada (on Panvel – Diya line) is about 3.5 km west of the site.

State	Maharashtra
Village, District	Taloja A. V., Raigad
Nature of the Area	Notified Industrial Area
Mean Maximum Temperature	34° C (Summer)
Mean Minimum Temperature	21.8° C (Winter)
Relative Humidity	64.5 %
Annual Rainfall	1800 mm
Nearest Highway	SH-1 _
Nearest Port	Mumbai Port
Nearest Railway Station	Navada
Nearest Village	Devichapada, Tondre
Nearest City	Panvel
Nearest Air port	Sahara Air Port, Mumbai
Nearest River	Kasade River
Nearest Forest	No Forest Area
Historical & Sensitive Places	Nil
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Salient Features Of The Proposed Isopropyl Alcohol Plant at Taloja

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## 2.0 Process Description

The process route consists of the following steps to produce Iso Propyl Alcohol (IPA):

C3 Splitter Sec	tion
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Reaction And Flash Section

Distillation Section

Molecular Sieve Section

Iso Propyl Alcohol (IPA) is produced by direct hydration of propylene across a catalyst bed.

 $CH_3CH=CH_2 + H_2O \longrightarrow (CH_3)_2CHOH$ 

2.1 Resources required

The major raw material required is propylene (refined grade), for which the plant authorities have a tie up with Bharat Petroleum Corporation Ltd. (BPCL) for long term exclusive supply for the proposed project. The other raw materials required is phosphoric acid, silica gel, etc are procured from the local market/suppliers.

The total water required for the proposed IPA plant is around 2785.2 m3/day. The water required is met from MIDC water supply. The total power required for the proposed project is around 3626 kW, this met from captive power plant 2 x 4.5 MW of the parent organisation which is having a spare capacity of 4.5 MW. The major utilities required for the proposed project are boiler, Cooling tower, DM plant, etc.

The parent organization is having land of 30.3492 hectares in the MIDC industrial area of Taloja part of the land in the existing unit will be used for proposed plant. As per the MIDC norms the ratio of total plinth area to the net plot area should not be more than 0.35 After establishment of the proposed project the ratio of the total plinth area to the net plot area would be 0.293, which is well within the MIDC norms.

#### 3.0 Baseline

Baseline environmental status in and around proposed project depicts the existing environmental conditions of air, noise, water, soil, biological and socio-economic environment.

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The 24 hourly average windrose for the entire study period reveals that winds were blowing from all directions. The most dominant direction observed was NE followed by NNE, ENE and N. The maximum, minimum and mean temperature observed to be 41° C, 19.1° C and 29.5° C respectively. The mean relative humidity observed during the study period is 64.5%.

#### 3.1 Ambient Air Quality

A total of 9 ambient air quality monitoring stations were selected. Maximum, Minimum, Average and Percentile values have been computed from the raw data collected.

The 98<sup>th</sup> percentile of SPM levels are in the range of 58.2 TO 149.6 µg/m<sup>3</sup>

The 98<sup>th</sup> percentile of RPM levels are in the range of 20.2 to 50.1 µg/m<sup>3</sup>

> The 98<sup>th</sup> percentile of SO<sub>2</sub> levels were in the range of 7.5 to 11.3  $\mu$ g/m<sup>3</sup>

> The 98<sup>th</sup> percentile of NO<sub>X</sub> levels were in the range of 12.8 to 19.3 µg/m<sup>3</sup>

The 24 hourly average values of SPM, RPM,  $SO_2 \& NO_x$  were compared with the national ambient air quality standards and it was found that all the sampling stations recorded values lower than the applicable limit for residential areas.

#### 3.2 Noise Environment

Assessment of equivalent day and night noise levels at 11 locations in and around the plant site reveal that noise levels are ranging from 37.5 to 57.2dB(A), which can be taken as the existing baseline status. The day equivalent values calculated considering the noise levels recorded from 6 AM to 9PM. The values were found to be ranging between 49.23 dB (A) at Valap to 53.71 dB (A) at Plant site 1.

Similarly night equivalent noise levels were calculated using the noise levels recorded from 10 PM to 5 AM. These values are critical since they affect the sleep in the residential and sensitive areas. The night equivalent values were found to be ranging between 41.76 dB (A) at Ghot to 44.27dB (A) at Khanav. The noise equivalents observed were within the standards as per CPCB for Residential areas and commercial areas respectively.

### 3.3 Water Quality

A total of nine water samples (two surface water and seven ground water samples) have been collected from the study area.

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The analytical results of the samples collected from the study area were compared with the drinking water standards IS 10500 to check for the portability.

Ground water

From the analytical results of ground water we can see that the pH of the water is ranging from 7.06 to 8.5 at valvali. The pH limit fixed for drinking water is 6.5 to 8.5 beyond this range the water will affect the mucus membrane and water supply system, in the study area the pH in the samples collected were well within the limits.

The Dissolved solids in the ground water samples are ranging from 210 at MIDC area to 560 mg/l at Pali. Except for the water sample at Ghot, Navade and Pali all samples were within the desirable limit of 500 mg/l where as other samples are within the permissible limit of 2000 mg/l. The chloride value is ranging from 14 mg/l at MIDC area to 95 mg/l at Navade, however the desirable limit is 250 mg/l and the permissible limit is 1000 mg/l.

Fluoride is the other important parameter, which has both higher and lower limits. The optimum content of fluoride in the drinking water is 0.6 to 1.5 mg/l. If the fluoride content is less than 0.6 mg/l it causes dental carries, above 1.5 mg/l it causes staining of tooth enamel, higher concentration in range of 3 - 10 mg/l causes fluorosis. In the study area the fluoride value were in the range of 0.4 mg/l to 1.1 mg/l.

#### Surface water

Two samples were collected from Gadi and Kasardi river. The samples showed pH of 7.4 and 7.7 respectively. Total dissolved solids were found to be 208 mg/l and 510 mg/l while chlorides were found to be 35 mg/l and 92 mg/l respectively. The surface water samples did not show any high fluoride concentrations.

3.4 Soil Quality

The analytical results of the 7 soil samples collected during the study period are summarized below.

The pH of the soil is an important property; plants cannot grow in low and high pH value soils. Most of the essential nutrients like N, P, K, Cl and SO<sub>4</sub> are available for plant at the neutral pH except for Fe, Mn and Al which are available at low pH range. The pH values in the study area are varying from 6.81 to 7.72 showing neutral only.

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The other important parameters for characterization of soil for irrigation are N,P,K. the nitrogen value is varying from 5 to 122 meq/100gm, Phosphorus value is varying from 2.6 to 28 meq/100gm and Potassium value is varying between 11 to 136 mg/kg. All three parameters are showing that the soils require addition of N, P, K as they are falling low grade soils.

4.0 Identification Of Impacts

Any developmental activity in its wake will bring about some impacts associated with its origin, which can be broadly classified as reversible, irreversible, long and short-term impacts.

## 4.1 Construction Related Impacts

Since the project is proposed to be established adjacent to the existing parent industry, no major construction activity like leveling, movement of earth etc are envisaged. The most likely changes, if any, on the environment during the construction phase would be controlled by sprinkling water on road surfaces and covering the trucks with plastic sheets while moving in and out of the plant.

Generation of noise is due to operation of heavy equipment's and increased frequency of vehicular traffic in the area. However, these impacts are short term, intermittent and temporary in nature.

### 4.2 Operation Related Impacts

**Air Environment** 

Prediction of impacts from the proposed IPA plant on the ambient air quality was carried out using air quality simulation models. The main sources of pollution envisaged from the plant are Fugitive emissions and Point source emissions (Boiler, DG set).

The fugitive emissions will be resulted from various operations and are expected due to evaporation losses. Even though the are within the standards for further reducing the evaporation losses by proper maintenance of all pipelines, reactors etc through regular timely maintenance and as well as by adopting good production practices.

To meet the steam requirements of the process, a boiler with a capacity of 30 TPH is proposed using a mixture of Furnace oil and Purge gas. The total fuel requirement per day would be to the tune of 52TPD of Furnace oil and 12 TPD of

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purge gas, which is generated in the process of manufacture of IPA. Modeling has been carried out for 30TPH boiler emissions as a worst case to study the predicted increase in ground level concentrations due to the plant activities.

Stack	Attached	Height	Dia.	Velocity	Volume	Temp.	SPM	SO2
No	to	(m)	(m)	(m/s)	NM <sup>3</sup> /hr	°K	g/s	g/s
1	Boiler 30TPH	63.5	1.4	15	51550	443	0.60	42

Stack and Emission Details

Predictions were carried out as per CPCB guidelines "Assessment of Impact to Air Environment: Guidelines for conducting air quality modeling" for pre monsoon season. The future predicted concentrations estimated by super imposing the predicted values over the base line values and presented in following table.

Pollutant	Baseline Max. Value - (µg/m³)	Predicted Max. contribution to GLC's -(µg/m³)	Predicted future AAQ concentration - (μg/m <sup>3</sup> )
Particulate Matter	156	0.281	156.28
Sulphur dioxide (SO <sub>2</sub> )	12	19.70	31.70

Predicted baseline values of SPM and SO<sub>2</sub> in SW direction

(24 hrly average)

#### Water Environment

The entire wastewater generated 667 m<sup>3</sup>/day is treated in the existing effluent treatment plant before sending to Common CETP (used as dilution water) for further disposal. However, to meet the new demands, slight modifications are proposed in the existing ETP. The effluents after treatment will be routed to Taloja Common effluent Treatment plant Co-op Society Itd for final disposal. Hence impact on ground water quality is not envisaged.

#### Land Environment

Solid waste generated from the proposed plant is from process (spent catalyst) expected to be in a small quantity 60 Tons per two years. And Calcium phosphate of around 1 TPM from ETP.

As the entire solid waste generated is sold authorized agents no damage is envisaged on the land environment.

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C		CHAPTER-V
Ø		ENVIRONMENTAL MANAGEMENT PLAN
C	33	5.0 Objective
0		The surgery of the Factor of the second state
¢		The purpose of the Environmental Management Plan (EMP) is to minimize the potential environmental impacts from the project and to mitigate the
C		consequences. EMP reflects the commitment of the project management to
0		protect the environment as well as the naighbouring populations. The potential environmental impact envisaged from the project is studied on the following
0		environmental components:
C		> Air pollution from the stacks
C		> Fugitive emissions
C		Water pollution due to the wastewater generation
0		Soil pollution due to solid waste disposal
C		The management action plan aims at controlling pollution at the source level to
0		the possible extent with the available and affordable technology followed by
D	÷	treatment measures before they are discharged. The following additional mitigation measures are recommended in order to synchronize the economic development of the study are with the second study and study and study and study and study and study are stud
C		development of the study area with the environmental protection of the region.
C		5.1 Environmental Management Plan
¢		Preparation of Environmental Management Plan Js required for formulation and
C		monitoring of environmental protection measures during construction and
C		operation of proposed plant. The plan should indicate the details as to how various measures proposed to be taken for mitigation of adverse impacts if any
C		from the proposed project.
C		The following postlone densities the Environmental Management Dire for
Ç		The following sections describe the Environmental Management Plan for proposed IPA Plant during construction and post construction phases.
Ç		
0		5.2 Construction Phase
0		The construction activity includes the handling of the construction material and
C		equipment, vehicular movement etc.
0		The major culprit during any construction activity is the fugitive emission that is
¢.		released from the construction activity and the vehicular movement during the
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construction. Dust control is a major issue during the construction phase along with the waste water generated from the construction and the domestic sewage generated by the construction camp, cil and material spitlages during the handling and the transportation of the construction material and the solid waste generated during the construction.

Dust suppression is achieved by spraying water on the unpaved roads and covering the trucks transporting the construction material with tarpaulin or other covers and taking steps to minimize spillages during the transport and the handling of the material.

Noise effect on the nearby habitation during construction activities will be negligible as the nearest habitat is more than 1 km from the plant. However construction labour would be provided with noise protection devises like ear muffs, and occupational safety ware. It is recommended that all noise generating equipment to be stopped during night timings.

The waste oil generated by construction equipment would be disposed through authorized recyclers and unauthorized dumping of waste oil is prohibited.

Adequate security arrangement should be made to ensure that the local inhabitants and the stray cattle are not exposed to the potential hazards of construction activities.

## 5.3 Post Construction Phase

Project authorities are planning to implement several measures to curtail pollution to the maximum extent. Environment management at design stage includes all the steps undertaken at the design stage by the project proponents to meet the statutory requirements and towards minimizing environmental impacts.

The design basis for all process units will lay special emphasis on measures to minimizes effluent generation and emission control at source. The specific control measures related to gaseous emissions, liquid effluent discharges, noise generation, solid waste disposal etc. are described below:

## 5.3.1 Air Environment

The suspended particulate matter, Sulphur dioxide and Oxides of Nitrogen concentrations in the ambient air will increase slightly due to the emissions from the proposed boiler. The desired stack height of 63.5 m will be provided as per the

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guidelines issued by the CPCB for the proposed boiler for the effective dispersion of the pollutants.

The sources of air emission from the plant are a) Point source (Boiler) emissions b) Non Point source (Fugilive) emissions

a) Point Source (Boiler) Emissions

One of the main sources of air pollutants from proposed project is the use of fuels for energy requirement. For steam requirements of the plant, one boiler of 30 TPH is being proposed.

Particulate matter, SO<sub>2</sub> and NOx are the major emissions from the plant. However as the fuel proposed to be used for boiler being furnace oil and purge gas Particulate matter envisaged is negligible, and for proper dispersion of SO<sub>2</sub> and NOx Into surrounding environs; stack height has been maintained as per the existing horms. The details of the stack height calculations are given in Table 5.1.

A stack height of 63.5 m is provided as per MoEF guidelines. And for 75 KVA DG set a stack height of 2 meters above the building is proposed.

# operation

In addition to above boiler, is controlled by programmable Logic Control – Supervisor Control and Data Acquisition System. (PLC-SCADA ) based system.

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Fuel Consumption       52 TPD furnace oil and 12 TPD Purge gas         Sulphur %       0.35% furnace oil         Sulphur dioxide content       52000*0.035*2/24 = 151.7 kg/hour         Stack height as per MoEF       14 (SO <sub>2</sub> kg/hr) <sup>0.3</sup> Stack Height H metors       14(151.7) <sup>0.3</sup> = 63.15 m         proposed stack height       63.5 m         Particulate matter control system       Cyclone and programmable Logic Control –         Supervisor Control and Data Acquisition       System.(PLC-SCADA ) based system.         DG set       75 KVA         Stack height as per MOEF       H=h+0.2 √KVA		Table 5.1
Capacity       30TPH         Fuel Consumption       52 TPD furnace oil and 12 TPD Purge gas         Sulphur %       0.35% furnace oil         Sulphur dioxide content       52000*0.035*2/24 = 151.7 kg/hour         Stack height as per MoEF       14 (SO₂ kg/hr) <sup>03</sup> Stack height H meters       14(151.7) <sup>03</sup> = 63.15 m         proposed stack height       63.5 m         Particulate matter control system       Cyclone and programmable Logic Control –         Supervisor Centrol and Data Acquisition       System.(PLC-SCADA ) based system.         DG set       75 KVA         Stack height H meters       H=h+0.2 √KVA         Stack height H meters       Height of building +0.2√75 KVA = 1.73m oil	Details of Stack heig	iht calculation for Boiler and DG
Fuel Consumption       52 TPD furnace oil and 12 TPD Purge gas         Sulphur %       0.35% furnace oil         Sulphur dioxide content       52000*0.035*2/24 = 151.7 kg/hour         Stack height as per MoEF       14 (SO <sub>2</sub> kg/hr) <sup>0.3</sup> Stack Height H motors       14(151.7) <sup>0.3</sup> = 63.15 m         proposed stack height       63.5 m         Particulate matter control system       Cyclone and programmable Logic Control –         Supervisor Centrol and Data Acquisition       System.(PLC-SCADA ) based system.         DG set       75 KVA         Stack height H meters       H=h+0.2 √KVA	Boiler	Specifications
Sulphur %       0.35% furnace oil         Sulphur dioxide content       52000*0.035*2/24 = 151.7 kg/hour         Stack height as per MoEF       14 (SO₂ kg/hr) <sup>0.3</sup> Stack Height H metors       14(151.7) <sup>0.3</sup> = 63.15 m         proposed stack height       63.5 m         Particulate matter control system       Cyclone and programmable Logic Control – Supervisor Centrol and Data Acquisition System.(PLC-SCADA ) based system.         DG set       75 KVA         Stack height H meters       H=h+0.2 √KVA	Capacity	30TPH
Sulphur dioxide content       52000*0.035*2/24 = 151.7 kg/hour         Stack height as per MoEF       14 (SO₂ kg/hr) <sup>03</sup> Stack Height H motors       14(151.7) <sup>03</sup> = 63.15 m         proposed stack height       63.5 m         Particulate matter control system       Cyclone and programmable Logic Control – Supervisor Centrol and Data Acquisition System.(PLC-SCADA ) based system.         DG set       Capacity         Stack height H meters       75 KVA         Stack height H meters       Height of building ±0.2√75 KVA = 1.73m or	Fuel Consumption	52 TPD furnace oil and 12 TPD Purge gas
Stack height as per MoEF       14 (SO₂ kg/hr) <sup>03</sup> Stack Height H meters       14(151.7) <sup>03</sup> = 63.15 m         proposed stack height       63.5 m         Particulate matter control system       Cyclone and programmable Logic Control – Supervisor Centrol and Data Acquisition System.(PLC-SCADA ) based system.         DG set       Capacity         Stack height as per MOEF       H=h+0.2 √KVA         Stack height H meters.       Height of building +0.2√75 KVA = 1.73m or	Sulphur %	0.35% furnace oil
Stack Height H motors       14(151.7) <sup>03</sup> = 63.15 m         proposed stack height       63.5 m         Particulate matter control system       Cyclone and programmable Logic Control –         Supervisor Control and Data Acquisition       System.(PLC-SCADA ) based system.         DG set       Capacity         Stack height As per MOEF       H=h+0.2 √KVA         Stack height H meters.       Height of building +0.2√75 KVA = 1.73m or	Sulphur dioxide content	52000*0.035*2/24 = 151.7 kg/hour
proposed stack height     63.5 m       Particulate matter control system     Cyclone and programmable Logic Control – Supervisor Centrol and Data Acquisition System.(PLC-SCADA ) based system.       DG set       Capacity     75 KVA       Stack height as per MOEF     H=h+0.2 √KVA       Stack height H meters.     Height of building +0.2√75 KVA = 1.73m or	Stack height as per MoEF	14 (SO <sub>2</sub> kg/hr) <sup>03</sup>
Particulate matter control system       Cyclone and programmable Logic Control –         Supervisor Centrol and Data Acquisition       System,(PLC-SCADA ) based system.         DG set       Image: Capacity         Stack height as per MOEF       H=h+0.2 √KVA         Stack height H meters.       Height of building +0.2√75 KVA = 1.73m or	Stack Height H motors	14(151.7) <sup>03</sup> = 63.15 m
Supervisor Centrol and Data Acquisition         System.(PLC-SCADA ) based system.         DG set         Capacity         75 KVA         Stack height as per MOEF         H=h+0.2 √KVA         Stack height H meters.	proposed stack height	63.5 m
Capacity     75 KVA       Stack height as per MOEF     H=h+0.2 √KVA       Stack height H meters.     Height of building +0.2√75 KVA = 1.73m or	Particulate maller control system	Cyclone and programmable Logic Control – Supervisor Centrol and Data Acquisition System.(PLC-SCADA) based system.
Stack height as per MOEF     H=h+0.2 √KVA       Stack height H meters     Height of building +0.2√75 KVA = 1.73m or	DG set	
Stack height H meters. Height of building +0.2175 KVA = 1.73m or	Capacity	75 KVA
가장 전화 방법 방법 가지 않는 것은 것이 있는 것이 있는 것은 것이 있는 것이 많이 있는 것이 많이 많이 많이 많이 많이 많이 많이 많이 많이 없다. 것이 많이 많이 많이 많이 많이 많이 많이 많이 많이 없다.	Stack height as per MOEF	
	Stack height H meters	Height of building +0.2√75 KVA = 1.73m or say 2 meters

M's Deepok Fertilisers & Petrochemicals Corporation Ltd.,

b) Non Point source (Fugitive) emissions

REIA for proposed iso Propyl Alcohol Plant

To control the fugitive emissions during various operations in the proposed plant, management is proposing dedicated pipe lines from one section to another section, and all reactor and storage tanks are provided with vent condensers. The details of the control measures proposed are given in Table 5.2.

Table 5.2 Control measure proposed for controlling Fugitive emissions

S. No	Description	Control Measure		
1	To Control losses during transferring from section to section	Dedicated pipelines, solvent storage tanks provided with vent condensers		
2	To Centrol losses during manufacturing process	All reactor are provided with vent Condensers		

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5.3.2 Air Quality Monitoring

a) Stack Gas Monitoring

Provisions will be made in the stack for carrying out stack gas analysis as per the laid out guidelines. The monitoring would be carried out regularly as per the conditions in the consent to operate.

b) Ambient Air Quality Monitoring

The concentration of SPM, SO2 and NOx in the ambient air outside the project boundaries and in the adjoining villages should be monitored as per the direction of the state pollution control board.

5.4 Water Environment

The water requirement at maximum production would be 2765.2 m<sup>3</sup>/day, for all its purposes including process, floor and reactor washings, boiler, cooling tower, canteen/ domestic requirements. The total wastewater generated from the proposed project is 667 m<sup>3</sup>/day. The details of waste water generation are given in Table 5.3

S.No	Description	Effluent	Remarks
1	Domestic	1.2	STP
2	Cooling tower	249.6	ETP
3	DM Plant	57.6	ETP
4	Process, reactor wash, floor	317.328	ETP
	washes, etc	14.52	ETP
		2.664	STP
5	Boiler	24	ETP
6	Export	0	-
	Total	666.912	

## Table 5.3 Wastewater Generation Dotails-- m³/day

5.4.1 Effluent Treatment Plant Details

#### 1. Details of Proposed IPA plant

The process effluents originating from proposed IPA plant consist of Phosphates. The Phosphates containing effluents treated with milk of lime in Reaction Tank I. The lime mixed effluent is sent to Clarifloculator where sludge, as calcium

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phosphate, is separated. The separated sludge is centrifuged and solids are separated. The mother liquid is sent to parent industry ETP for further treatment and the treated waslewater is sent to CETP for final disposal.

The effluent from utilities (boiler, DM plant and Cooling tower) are added to Reaction tank III of the parent industry treatment plant (effluent after ammonia stripping).

The domestic sewage along with part of the process water containing COD is sent to parent industry sewage treatment plant for treatment.

2. Details of Existing Effluent Treatment Plant of Parent Organization

The effluents generating from the various plants essentially consists of Ammonical – nitrogen, Nitrate – Nitrogen, phosphates. The treatment facilities are described below.

Designed capacity 3600 m3/day. Present Load 2742.3 m3/day

a) Phosphate removal

The process offluent stream coming from Ammonium Nitrate Phosphate (ANP) plant and tank farm is first equalized in the Collection/holding tank (CT I) and pumped to Reaction tank – I to raise the pH up to 9.0 by adding lime. The overflow through gravity will go to clarifloculator for separation of calcium phosphate studge. The studge is sent to centrifuge and the centrate is sent back to CT 1 and the studge cake is disposed off. The treated effluent is sent to Reaction tank IIA.

b) Disassociation of ammonia

The effluent streams from Low density ammonium nitrate (LDAN) plant, Tank farm ammonia, Ammonia Plant, and Weak Nitric acid (WNA) plant, Ammonia plant floor washings are collected in Collection/holding tank (CT II) and through gravity flows to Reaction Tank IIA.

The pH in the Reactions Tank IIA is maintained around 10.5 to 11 by addition of caustic, so that at this pH ammonium ion present in the effluent get dissociated into ammonia gas and H\* ions.

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## c) Ammonia stripping.

The effluent containing dissociated ammonium gas is sent to two-stage ammonia stripping plant. At 1<sup>st</sup> stage ammonia stripping the pH of the effluent falls down from here the effluent flows to Reaction Tank IIB where pH is again raised to around 10.5 to 11 and then pumped to 2<sup>nd</sup> stage ammonia stripping. At this stage the ammonical nitrogen in the effluent will be around 108 mg/l. This effluent stream further requires treatment prior to biological denitrification process for nitrate nitrogen removal.

The above treated effluent is collected in Reaction Tank III which is neutralized by addition of DM plant wastewater and diluted with cooling tower blow down so that the ammonical nitrogen concentration is around 50 mg/l (which can be treated biologically by denite bacteria). In case the cooling tower blow down is not available, the treated effluent is recycled back to the system,

d) Nitrate -- N and Nitrite -- N removal

The treated wastewater from Reactions tank III which still contains Nitrate --N and Nitrite --N is subjected to two stage denitrication in denite bioreactor. The stage I denite bioreactor is equipped with 3 nos 10 HP agitators and stage II denite bioreactor is equipped with 3 nos 75 HP agitator. The treated water from state I denite bioreactor goes to clarifier I for separation of suspended biomass part of the biomass is recycled for stablization and excess sludge is sent to sludge drying beds.

Provision is made for addition of methanol as organic carbon source for heterotrophic denite bacteria.

c) Polishing/aeration

The treated wastewater over flowing from denite clarifier is collected in polishing aeration tank which is provided with polishing diffuse aeration grids to increase the Dissolved oxygen of the treated effluent before discharged in to CETP Sewer line.

The details of Units of ETP are given Table 5.4 and the characteristics of wastewater before and after treatment are given in Table 5.5.

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			Table 5.4
		Existing T	reatment Facilities
	SINO	Code No	Units
	1	CTI	Collection /holding Tank, CT-I
	2	RT I	Reaction Tank-I
	3	CF 1	Clarifloculator
	4	AS 1	Ammonia stripper Stage-I
	5	AS II	Ammonta stripper Stage-II
	6	RT IIA	Reaction Tank-IIA
	7	RTIIB	Reaction tank -IIB
	8	RTI	Reaction Tank-III
	9	DN I	Denitrification tank stage-I
	10	CL1	Clarifier stage-l
	11	DŃ 1	Denitrification tank stage- II
	12	CL II	Clarifier stage-II
	13	PT	Polishing tank

S.	Parameters	Units	Before			After	
No			Process, washes, etc	CT, Boiler, DM	Domestic & Process	Range	
1	PH		6.0-7.0	6.0-7.0	6.5-8.0	5.5 to 9.0	
2	Suspended solids	Mg/I	99	21	147	< 100	
3	BOD	Mg/I	146	18	507	<100	
4	COD	Mg/I	247	23	845	<250	
5	Oil & Grease	Mg/I	<10	<5	<5	<10	
6	TDS	Mg/I	697	-	831	<800	
7	Amm. Nitrogen	Mg/I	94	-	-	<50	
8	KJ Nitrogen	Mg/I	247		-	-	
9	Phosphates	Mg/I	90		-	<1	

12010 5.5	
Wastewater Characteristics - Before & After Treatment	

2.2

The entire wastewater generated is treated and sent to CETP for further disposal along with treated effluent at CETP. The present existing Effluent treatment system will be modified to treat the effluents generated from the proposed IPA plant to the standards laid down by the MPCB. The flow sheet of proposed modification in existing ETP for handling the phosphate bearing effluents and the existing plant is shown below

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## Domestic Sewage Treatment Plant

The sanitary sewage wastewater and part of process wastewater containing biodegradable matter which is around 3.864 m3/day will be treated in the existing sawage treatment plant (STP) of capacity 168 m<sup>3</sup>/day. The STP comprises acration tanks followed by clarifier. The existing sewage treatment plant consists of settling tanks, acration tanks, and clarifiers.

5.4.2 Monitoring of Waste Treatment

All the treated effluents shall be monitored regularly for the flow rate and quality to identify any deviations in performance of effluent treatment plants. Appropriate measures would be taken if the treated effluent quality does not conform to the permissible limits.

5.4.3 Storm Water Drainage

Based on the rainfall intensity of the proposed area, MIDC drainage system is designed on the basis of the storm water flow.

Strom water drainage system consists of well-designed open surface drains network so that all the storm water is efficiently drained off to without any water logging.

5.5 Noise level management

The Incremental noise level due to the proposed plant will be in the range of 45 dB (A) to 49 dB(A) near the plant boundaries in all the directions. The ambient noise levels in the region are within permissible limits.

During purchasing of the major noise generating equipments all necessary control measure will be include in design requirements to have minimum noise levels meeting occupational safety and health association (OSHA) requirement. Appropriate noise barriers/shields, silencers etc. would be provided in the equipment, The noise control is taken in the following ways, namely;

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By selecting low noise prone equipment

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٥	By isolating the noise prone unit from the working personnel's continuor exposure
~	By administrative control,
The admi measures	nistrative control would have a major role to monitor noise, take remedi and ensure that no plant personnel is over exposed to noise.
Recomm	endations
*	The use of damping material such as thin rubber/lead sheet for wrapping the work places like turbing halls, compressor rooms etc;
*	Shock absorbing techniques should be adopted to reduce impact;
*	Efficient flow techniques for noise associated with high fluid volocities ar turbulence should be used (like reduction in noise generated by contr levels in both gas and liquid systems achieved by reducing syste pressure to as low as possible);
\$	All the openings like covers, partitions should be acoustically sealed;
٥	Inlet and outlet mufflers should be provided which are easy to design an construct;
*	Ear plugs will be provided to workmen working near high noise generation sources;
٠	Noise levels should be reduced by the use of absorbing material on ro walls and floors;
	Increase the distance between source and receiver by altering the relative orientation of the source and receiver. Noise level at the receiver er reduces in inverse proportion to the square of the distance between the receiver and the source;
*	Provision of separate cabins for workers/operators; and

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REIA for proposed in Propyl Alexhol. Plans

The industrial compound should be thickly vegetated with species of rich canepy

The plant already having an in-house environmental laboratory for the routine monitoring of air, water, soil and noise. For all non-routine analysis, the plant may utilize the services of external laboratories and facilities.

### 5.6 Solid Waste Management

The main solid waste generated from proposed IPA plant are Calcium phosphate 1 TPD from treatment plant and spent cata/yst 60 Tons for two years from manufacturing process. The entire solid waste is sold to authorized agents collecting solid waste.

Solid Waste	Generation, TPA	Disposal Method
Sillca get	60 Tons per two years	
Calcium phosphate	1 TPD	

Table 5.6 Solid Waste Generation & Disposal

## 5.7 Green Belt Development

The purpose of a greenbelt around the plant site is to capture the fugitive emissions, attenuate the noise generated and improve the sesthetics. The greenbelt at the plant site would form an effective barrier between the plant and the surroundings. Open spaces, where tree plantation may not possible, will be covered with shrubs and gress to prevent erosion of topsoil. Adequate attention will be paid to plantation of trees, their maintenance and protection. During commissioning of the project management is proposing to develop a greenbelt all along the boundary wall of plant, along the roads, and surroundings of the production block, boiler, ETP, etc.

A Green belt with 2500 plants is developed in the plant area consisting of species like, Gulmohar, Bamboo, Karanj, Jambhool, Astumbul, and Neem, Annually and proposed to add around 200 plants per year.

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## REIA for proposed in Propil Alcohol Plant. Mits Daigad Fertilisers & Parochamicals Corporation List.

5.7.1 Plant Species for Greenbelt

While selecting the plant species for the proposed green bolt, the following guidelines will be considered:

- Fast growing type
- Should have a thick canopy cover
- A Should be perennial green
- Native origin
- Should have a large leaf area index.

#### 5.7.2 Design of Green Belt

As far possible the following guidelines will be considered in green belt development.

- The spacing between the trees will be maintained slightly less than the normal spaces, so that the trees may grow vertically and slightly increase the effective height of the green belt.
- Planting of trees in each row will be in staggered orientation.
- In the front row shrubs consisting of Callistemon, Prosopis etc. will be grown
- Since the trunks of the tall trees are generally devoid of foliage, it will be useful to have shrubs and trees in front of the trees so as to give coverage to this portion.
- Shrubs and trees will be planted in encircling rows around the project site
- The short trees (< 10 m height) will be planted in the first two rows (towards' plant side) of the green belt. The tall trees (> 10 m height) will be planted in the outer three rows (away from plant side).

Tall frees one line and short trees one line will be planted around the boiler house, DG set room and around the production blocks to control the fugitive emissions and to reduce the noise.

The list of plants proposed to be planted in future for developing greenbelt are given in Table 5.7 to 5.10

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REIA for proposed 150 Propyl Alcohol Plant M's Daujuk Fertilizers & Patrochamiculy Corporation Lad. Table 5.7 Plant Species Recommended For Reduction Of Noise Level S. No | Scientific Name Common Name 1 Azadirachta indica Neem 2 Aegle mamelos Bel 3 Calbezia trocera Dhala sirisa 4 Carissa carandas Karaunda 5 Peltophorum inerme Perungondrai 6 Saraca indica Asoka

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Syzygium cumini

Tamarindus Indica

Pongamia pinnata

Cassia slamia

# Table 5.8

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# Plant Species Recommended For Protection Against Gases And Particulates

S. No	Scientific name	Common Name
1	Butea monosperma	Dhak
2	Cassia fistura	Amaltas
3	Cassia siamla	Kassod
4	Citrila toona	Mahanim
5	Dalbergia sissoo	Shisham
6	Dillenia indica	Chalta
7	Ficus religosa	Pipal
8	Hardwick binata	Anjan
9	Mathuca indica	Mahua
10	Millingtonia hortensis	Akash nim

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	2 12 M P R P R P R P R P R P R P R P R P R P	
S	Table 5.8 Iggested Plant Species For Gr	een Belt Development
S. No	Scientific name	Common Name
	Large Plants	
1	Cedrreia loona	Mahanim
2	Dalbergia sissoo	Shisham
3	Azadirachta indica	Neem
4	Detonix regia	Gul mohr
5	Millingtonia hortensis	Aksh nim
6	Miomosops elengi	Maulseri
7	Peltophorum inerme	Perungondrai
8	Samania saman	Debdari
9	Thespisia populnea	Paras papal
Ver-We	Medium Plants	
1	Cassia siamia	Kassod
2	Dillenia Indica	Chalta
3	Mathuca indica	Mahua
4	Casuriana equisetifolia	Jungali Suru
5	Pongamla pinnata	Beng
6	Tabulia spasiosa	-
7	Ticoma stans	
8	Terminalia catappa	Jangli badam
9	Thevetia peruviana	Pile kamer
10	Lucgena leucocophala	Subabul
	Small Plants	
1	Averehoa carabbota	Carabola
2	Nallotus philippensis	Sundur
3	Artaboteys odoratissimus	Madanmast
4	Caesalpinia pulcherima	Gulotora
5	Callistemon lanceolatus	Bottle brush
6	Caryota urens	Mari
7	Cestrum dirunum	Din-Ka Raja
8	Nelia azedarch	

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Su	Table ggested Plant Species F	
S. No	Scientific Name	Common Name
1	Azadirachta indica	Neem
2	Pongarnia pinnata	Beng
3	Saraca Indica	Ashoka
4	Delonix regia	Gut mehr
5	Peltophorum inerme	Copper pod tree
	AVG. COLORADO	

Rain tree

Mahuva

Pink cassia

Mrs Diepek Fertilisers's Petrochemicals Corporation Ltd.,

Industrial Safety, health & Hygiene:

Bahunia variegate

Samania saman

Cassia nudesa

Bassia latifolia

The industry has set up a safety, health and environment cell with a qualified person as in charge for safety, health and environment. Reports to the factory manager directly. The chemical laboratory with qualified chemist carries out the necessary analysis and reports to Manager (SHE). Annual Medical checkup is done for all employees. Further check ups are done as an when necessary on doctors advice; required qualified external experts are appointed as and when necessary.

DFPCL takes pride in its health and safety record. We have capabilities in handling and movement of hazardous, toxic and inflammable chemicals. In appreciation of our skill and efforts in maintaining a good record on health and safety, the British Safety Council has presented the company with The British Safety Council Award for the year 2000-2001, making it the third year in a row.

DFPCL follow strict norms for handling of chemicals at our end and recommend safety norms for handling and transportation of our products.

6 Minution

General Safety Parameters for loading and Transportation of Chemicals.

Stein Permit System

REIA for proposed too Propil Alcohol Plant

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C Product-wise Safety Precautions

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Environmental Laboratory Equipment 5.9

The parent industry is having an in-house environmental laboratory for the routine monitoring of air, water, soil and noise. For all non-routine analysis, the plant may utilize the services of external laboratories and facilities. The list of laboratory equipments available for monitoring and analysis are listed in below Table.

### Table 5.11

List of Equipment of Environmental Laboratory

Name of	the Equipment
	Monitoring Station
a) Online Tempera	Automatic gaseous stack monitoring kit for SO <sub>2</sub> , NO <sub>2</sub> , O <sub>2</sub> , Flue gas volume ture etc.b) On line dust monitor
RD Sam	plers
Portable	Flue Gas Combustion Analyser
Bomb Ca	iorimeter for analyzing sulfur content, calorific value etc.
Alomic A	bsorption Spectrophatometer
Mercury	analyzer
Portable	Noise level meter (Dosimeter)
Portable	Waste Water Analysis Kit
BOD Inc	ubator & COD Digester with colorimeter
Electron	c Balance
Colorime	ter
Conducti	vity Meter
Different	micron sleves (set)
Dissolve	d Oxygen Moter – Portable type
Electroni	c colony counter
Flask Sh	aker
Hot Air C	Wen
Laborato	ry Water Distillation and demineralization unit

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5.10 Post Project Environmental Management

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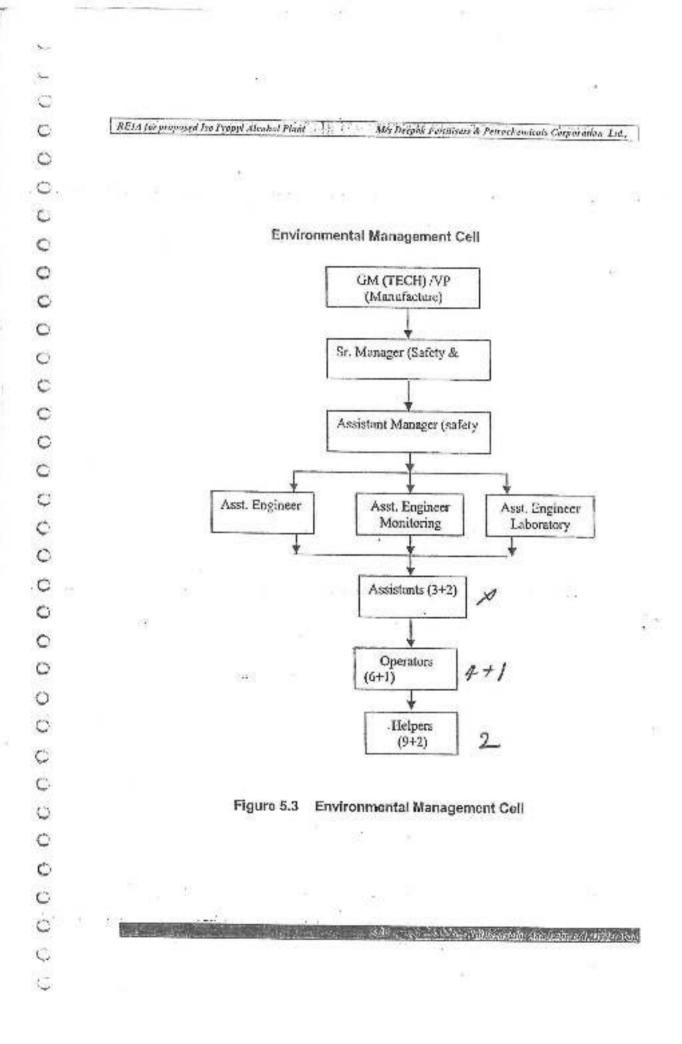
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The environmental management in the proposed unit will also handled by the existing setup. Prosently the environmental management department is headed by Sr.Manager (Safety and Environment). He reports to GM (Tech/VP (Manufacture). The Sr.Manager is assisted by three assistant managers to look after the safety and environmental factors round the clock. Each assistant engineer in turn is assisted by the staff trained in safety and environmental protection.

The organization setup for Environmental Management of the proposed project is given in Figure 5.3.

The department is the nodal agency to co-ordinate and provides necessary services on environmental issues during operation of the project. This environmental group is responsible for implementation of environmental management plan, interaction with the environmental regulatory agencies, reviewing draft policy and planning. This department interacts with Maharastra State Pollution Control Board (MSPCB) and other environment regulatory agencies. The department also interacts with local people to understand their problems and to formulate appropriate community development plan.

3.40 Benerita And Representation



SN	Specific Conditions	Status of compliance as on 31/03/2021
i)	The gaseous emissions (SO <sub>2</sub> , NOx, NH <sub>3</sub> & HCl) and particulate matter from various process units shall confirm to the standards prescribed by authority from time to time. At no time the emission levels shall go beyond the stipulated standards. The Stack height shall be as per CPCB guidelines. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.Further, the company shall interlock the production system with the pollution control devices.	There is no process stack in IPA emitting any gaseous emissions (SOx, NOx, NH3, HCI & SPM). However monitoring of other plants stacks is being done by third party. Online Continuous Emission Monitoring System installed on individual process and utilities stacks. The stacks meet height requirement as per CPCB guidelines. All care is taken to keep the pollution control devices operational. (Annexure - 1)
ii)	Amient Air Quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentrations are anticipated in consultation with the MPCB.	Three continuous monitoring AAQM stations are installed and connected to MPCB portal and operated continuously.
iii)	Fugitive emissions in the work zone environment, product and raw material storage area shall be regularly monitored. The emissions shall be controlled and confirm to the limits prescribed by CPCB.	In IPA plant fugitive emissions are hydrocarbon and 11 detectors are installed at critical locations.
iv)	Total water requirement should not exceed 2800 m3/day as per permission accorded by MIDC vide letters dated 03.03.04 and 07.07.05. Further, efforts shall be made for further conservation of water and utilization of waste water.	Water requirement doesn't exceed. We have developed better method of utilization of the RO by processing MIDC RW, this has reduced inlet effluent to ETP by more than 600 m3/day. Treated effluent of 100 m3/day is also utilized in the NPK process. As a part of water conservation waste water of the plants is utilized to reduce fresh water consumption.
v)	The effluent generation shall not exceed 667 m3/day. All the effluent shall be treated in the augmented ETP and shall be monitored for the pH, SS, TDS, O & G, BOD, COD, Phosphates & ammoniacal Nitrogen & other relevant parameters. All the treated effluent shall be sent to CETP at Taloja for further treatment. The domestic effluent shall be treated in the existing Sewage Treatment Plant.	Effluent generation is maintained within the stipulated norms. In IPA plant itself the COD water stream treated in organic recovery column to reduce the COD before sending it to ETP. In addition to monitoring of all the ETP parameters (pH, TSS, TDS, O & G, BOD, COD, Phosphates & ammoniacal Nitrogen & other relevant parameters) through sampling internally and third party, OCEMS is installed for monitoring of ETP parameters (pH, TSS,BOD, COD, NH4 N, NO3N, Fluorides and Flow) Treated effluent is sent to CETP Taloja. Domestic effluent is used at ETP bioreactor. (Annexure - 2)
vi)	The company shall undertake following Waste Minimization measures: * Metering and control of quantities of active ingredients to minimize waste * Reuse of by-products from the process as raw materials or as raw material substitute in other processes. * Use of automated filling to minimize spillage * Use of close feed system into batch reactor * Venting equipment through vapour recovery system * Use of high pressure hoses for equipment cleaning to reduce waste water generation	*No active ingredient involved in IPA *Propane and Di Isopropyl Ether are the by products from IPA plant and these are sold to customers. *All the tankers are filled through the closed automated system to avoid the spillage. *Our IPA plant is a continuous process and closed filled system is provided to reactor. *As such there is no venting equipment however critical vents are connected to flare system. *High pressure are used to clean the equipments during shutdowns.
vii)	The solid waste generated in the form ETP sludge shall be stored in HDPE lined secured landfill at the site. Spent catalyst and used oil shall be sold to authorized re-processer.	After inhouse study and after characterstic analysis of the ETP sludge by thrid party, it was revealed that the ETP sludge can be used as filler in our fertilzier. Hence we send ETP sludge to CHWTSDF facility only when there is need to send it, like plant is under shutdown. We have received approved CTO for reuse of ETP sludge in NPK plant as a filler. Spent catalyst and used oil are sold to authorized re-processor.
viii)	The project authorities shall strictly comply with the rules and guidelines under MSIHC Rules, 1989 as amended in October, 1994 and January 2000 and HWMH Rules, 2003 as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.	All related provisions of MSIHCR-1989 and HWMHR-2003, with their amendments are complied with. Authorization through CTO, valid till 31/03/2021, is obtained from MPCB for collection, treatment, storage and disposal of hazardous waste.
ix)	Company shall develop surface/roof top rain water harvesting structures to harvest runoff water for recharge of ground water.	Rain water harvesting system is provided at WNA 3 & 4 plants.
x)	Green belt shall be provided in at least 25% of the plant area to mitigate the effects of fugitive emission all around the plant. Development of green belt shall be as per CPCB guidelines.	Complied with.
xi)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories act.	Medical examination of all the workers is done once in a six month as per the factories act and records are maintained.

SN	General Conditions	Status of compliance as on 31/03/2021
i)	Project authorities shall strictly adhere to the stipulations made by the MPCB	Complied.
ii)	At no time the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be put out of operation and shall not be restarted until the desired efficiency has been achieved.	Same as specific condition No. 1.
iii)	No further expansion or modification in the plant should be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied
iv)	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the EP Act, 1986, Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Acoustic enclosures have been provided to DG sets. Periodic noise monitoring is done by MOEF approved 3rd party laboratory at eight different locations and noise level is within the standards prescribed under EP Act,1986, Rules, 1989. (Annexure - 3)
v)	The Project Proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA report.	Environment protection measures and recommendations given in EIA are complied with.
vi)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry-out the Environmental Management and Monitoring functions.	A separate Environmental Management Cell equipped with required facilities is set up.
vii)	The Project authorities shall earmark separate funds of Rs 25.80 lakhs to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Noted
viii)	The Company shall undertake welfare measures and community development measures for the local people in the vicinity of project area.	CSR activities are carried out through Ishanya Foundation Trust, set up by the company for rural development, women empowerment, health & education. (Annexure - 4)
ix)	The implementation of the project vis-a-vis environmental action plan shall be monitored by the Ministry's Regional Office at Bhopal / MPCB / CPCB. A Six monthly compliance status report shall be submitted to monitoring agencies.	Six monthly compliance reports are being sent to Regional Office of MOEF/MPCB/CPCB. Last report was sent on 27 <sup>th</sup> Nov 2020. Copy of the same posted o+C7n the company's web-site.
	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the letters are available with the MPCB and may also be seen at website of the Ministry at http:// envfor.nic.in. This shall be advertised within seven days from date of issue of the clearance letter at least in two local news papers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and the copy of the same shall be forwarded to ministry's regional office at Bhopal.	Complied with
xi)	The project authorities shall inform the Regional Office as well as Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied with

List of Annexures Submitted					
Annexure. No.	Content				
1	Stack Monitoring Reports				
2	Treated water analysis report				
3	Ambient Noise Monitoring Reports				
4	CSR Report				

**Annexure 1: Stack Monitoring Reports** 

Name o	of Organization	: M/s. [	Deepak Fertilise	ers And F	Petrochemicals	Corporation	n Limited.	1	
Custom	ner Address	: Taloja	a Plant Plot K-1	, MIDC Ir	ndustrial Area, I	P.O. Taloja	Dist. Raigad 410	0208 M	aharashtra
Custom	ner Reference	: Work	Order no. 4800	055893,	Dated 24.07.20	019			
Date	of Sampling	Sample F	Received Date	Analy	sis Start Date	Analys	is Complete Date	Rej	port on Date
1	6.10.2020	17.	10.2020	17	7.10.2020	20	.10.2020	2	0.10.2020
Sample	Туре :	Process C	Gas (Stack)		Sampling	done by	: Netel (India)	Limited	
Stack C	connected to :	WNA - 3 F	Process		Stack Diar	neter	: 953 mm		
Samplir	ng Location :	WNA - 3 5	Stack		Sample Co	ode	: NIL/ST/10/20	/015	
Sr. No.	Paramet	ers	Metho	d	Unit	MDL*	Results		Consent Limits
1	Temperature		IS 11255 (P	Part 3)	°C		132		
2	Velocity of Gas		IS 11255 (P	Part 3)	m/sec		2.36		
3	Volumetric Flow	Rate	IS 11255 (P	Part 3)	Nm³/hr		4453		
4	Oxides of Nitrogen		IS 11255 (Part 6)		mg/Nm <sup>3</sup>	3	86.0		
					ppm		154.8		
					kg/day		9.191		
			kg,		kg/ton of WNA		0.0316		3
5	Ammonia		IS 11255 (F	art 6)	mg/Nm <sup>3</sup>	0.05	21.40		
					ppm		14.88		50
			and the second sec				0.0663		

Note :

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\*\*\*End of Report\*\*\*

Verified by:

Surekha Jamdar

Dy. Technical Manager

Issued by:

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Shraddha Kere Technical Manager

A Neterwala Group Company

CIN: U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.

Name c	of Organization	: M/s.	Deepak Fertilise	ers And P	etrochemical	s Corporation	Limited.			
Custon	ner Address	: Taloj	a Plant Plot K-1,	, MIDC In	ndustrial Area	, P.O. Taloja	Dist. Raigad 410	208 Maharashti	ra	
Custon	ner Reference	: Work	Order no. 4800	055893,	Dated 24.07.	2019				
Date	e of Sampling	Sample	Received Date	Analys	sis Start Date	rt Date Analysis Complete Date		Report on Date		
1	4.10.2020	15	5.10.2020	15	5.10.2020	.10.2020 19.10.		19.10.202	9.10.2020	
Sample	е Туре :	Flue Gas	(Stack)		Samplin	g done by	: Netel (India) L	imited		
Stack C	Connected to :	Boiler			Stack Di	ameter	: 1500 mm			
Sampli	ng Location :	Boiler A/I	В		Sample	Code	: NIL/ST/10/20/	011		
Sr. No.	Paramet	ers	Method	1	Unit	MDL*	Results	Con: Lim		
1	Stack Temperate	ure	IS 11255 (P	art 3)	°C		108			
2	Stack Gas Veloc	city	IS 11255 (P	art 3)	m/sec		6.70			
3	/olumetric Flow Rate		IS 11255 (P	art 3)	Nm³/hr		33193			
4	4 Sulphur Dioxide		Iphur Dioxide IS 11255 (Part 2)		mg/Nm <sup>3</sup>	3	BDL			
					ppm		BDL			
					kg/day		BDL			
5	Oxides of Nitrogen		IS 11255 (P	art 7)	mg/Nm <sup>3</sup>	3	135.5	35	50	
					ppm		72.0			
					kg/day		107.94			
6	Carbon Monoxic	le	USEPA -	10A	mg/Nm <sup>3</sup>	4	6.4			
					ppm		5.6			
					kg/day		5.10			

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CIN: U74999MH2003PLC142228

Name o	of Organization	: M/s. [	Deepak Fertilise	ers And F	Petrochemical	s Corporatior	Limited.		
Custon	ner Address	: Taloja	a Plant Plot K-1,	, MIDC II	ndustrial Area	, P.O. Taloja	Dist. Raigad 410	208 Ma	harashtra
Custom	ner Reference	: Work	Order no. 4800	055893,	Dated 24.07.	2019			
		le Received Date Ana		sis Start Date	Analys	Analysis Complete Date		Report on Date	
1	4.10.2020	15.	15.10.2020		.10.2020 19.10.2020		10.2020	19.10.2020	
Sample	туре :	Flue Gas	(Stack)		Samplin	g done by	: Netel (India) L	imited	
Stack C	Connected to :	GT-2			Stack Di	ameter	: 1500 mm		
Sampliı	ng Location :	HRSG-2			Sample	Code	: NIL/ST/10/20/	/012	
Sr. No.	Parameters		Method		Unit	MDL*	Results		Consent Limits
1	Stack Temperate	ure IS 11255 (Pa		art 3)	°C		103		
2	Stack Gas Veloc	Gas Velocity IS 112		6 11255 (Part 3)			10.67		
3	Volumetric Flow	Rate	IS 11255 (Part 3)		Nm³/hr		53536		
4	Sulphur Dioxide		IS 11255 (Part 2)		mg/Nm <sup>3</sup>	3	BDL		
					ppm		BDL		
					kg/day		BDL		
5	Oxides of Nitrogen		IS 11255 (Part 7)		mg/Nm <sup>3</sup>	3	114.0		
					ppm		60.6		50
					kg/day		146.47		
6		Carbon Monoxide		104	mg/Nm <sup>3</sup>	4	39.3		
6	Carbon Monoxic	le	USEPA -	IUA					
6	Carbon Monoxic	le	USEPA -		ppm		34.3		

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CIN: U74999MH2003PLC142228

Name o	of Organization	: M/s.	Deepak Fertilise	ers And P	etrochemical	s Corporation	n Limited.			
Custom	ner Address	: Taloj	a Plant Plot K-1	, MIDC In	dustrial Area	, P.O. Taloja	Dist. Raigad 410	208 Ma	aharashtra	
Custom	ner Reference	: Work	Order no. 4800	055893,	Dated 24.07.	2019				
			Received Date Analysis		sis Start Date	Analys	Analysis Complete Date		Report on Date	
1	4.10.2020	15	15.10.2020		5.10.2020	0.2020 19.10.2020		19.10.2020		
Sample	Туре :	Flue Gas	(Stack)		Samplin	g done by	: Netel (India) L	imited		
Stack C	connected to :	GT-5			Stack Di	ameter	: 1500 mm			
Samplin	ng Location :	HRSG-5			Sample	Code	: NIL/ST/10/20/	/013		
Sr. No.	Paramet	Parameters		Method		MDL*	Results		Consent Limits	
1	Stack Temperate	ure	IS 11255 (Part		°C		138			
2	Stack Gas Veloc	city	y IS 11255 (		m/sec		10.91			
3	Volumetric Flow	Rate	IS 11255 (P	Part 3)	Nm³/hr		50078			
4	Sulphur Dioxide		IS 11255 (Part 2)		mg/Nm <sup>3</sup>	3	BDL			
					ppm		BDL			
					kg/day		BDL			
5	Oxides of Nitrogen		IS 11255 (Part 7)		mg/Nm <sup>3</sup>	3	275.0			
					ppm		146.2		50	
					kg/day	100 Total 100	330.51			
			USEPA – 10A							
6	Carbon Monoxic	le	USEPA -	10A	mg/Nm <sup>3</sup>	4	9.2			
6	Carbon Monoxic	le	USEPA –	10A	mg/Nm <sup>3</sup> ppm	4	9.2			

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CIN: U74999MH2003PLC142228

Name o	of Organization	: M/s. D	Deepak Fertilise	ers And Pet	rochemicals	Corporation	Limited.		
Custon	ner Address	: Taloja	Plant Plot K-1	, MIDC Indu	ustrial Area,	P.O. Taloja	Dist. Raigad 410	208 Ma	aharashtra
Custom	ner Reference	: Work	Order no. 4800	055893, D	ated 24.07.2	019			
Date					s Start Date	Analys	is Complete Date	Rep	oort on Date
1	6.10.2020	17.	10.2020	17.1	0.2020	20.	10.2020	2	0.10.2020
Sample	туре :	Process G	Bas (Stack)		Sampling	done by	: Netel (India) L	imited	
Stack C	connected to :	ANP Cycle	one Seprator		Stack Dia	meter	: 1500 mm		
Samplii	ng Location :	ANP Cycle	one Seprator		Sample Co	ode	: NIL/ST/10/20/	/016	
Sr. No.	Paramet	ers	Metho	d	Unit	MDL*	Results		Consent Limits
1	Temperature		IS 11255 (P	art 3)	°C	enetti i	56.0		
2	Velocity of Gas	2	IS 11255 (P	art 3)	m/sec		10.8		
3	Volumetric Flow	Rate	IS 11255 (P	art 3)	Nm³/hr		62068		
4	Total Particulate	Matter	IS 11255 (P	art 1)	mg/Nm <sup>3</sup>	3	19.4		150
					kg/day		28.899		
5	Ammonia		IS 11255 (P	art 6)	mg/Nm <sup>3</sup>	0.05	15.70		
					ppm		22.58		50
					kg/hr		1.4015		
6	Fluoride		IS 11255 (P	art 5)	mg/Nm <sup>3</sup>	0.05	6.70		25
					ppm		8.62		
			VIEW NOT THE REAL OF THE	CULTURE I	kg/day		9.9805		

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Shraddha Kere Technical Manager

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CIN: U74999MH2003PLC142228

	of Organization	: M/s.[	Deepak Fertilise	ers And Pe	etrochemicals	Corporation	Limited.			
Custon	ner Address	: Taloja	a Plant Plot K-1	, MIDC Ind	dustrial Area,	P.O. Taloja	Dist. Raigad 410	208 Ma	harashtra	
Custon	ner Reference	: Work	Order no. 4800	055893, [	Dated 24.07.2	019				
Date	e of Sampling	Sample F	Received Date	Analys	alysis Start Date Analysis Complete Report on					
1	6.10.2020	17.	10.2020	17.	10.2020	20.	10.2020	20	).10.2020	
Sample	е Туре :	Process (	Gas (Stack)		Sampling	done by	: Netel (India) L	imited		
Stack C	Connected to :	ANP Vaco	cum Pumps		Stack Dia		: 200 mm			
Sampli	ng Location :	ANP Vaco	cum Pumps		Sample C	ode	: NIL/ST/10/20/	017		
Sr. No.	Paramet	ers	Methoo	ł k	Unit	MDL*	Results		Consent Limits	
1	Temperature		IS 11255 (P	art 3)	°C		47.0			
2	Velocity of Gas		IS 11255 (P	art 3)	m/sec		2.2			
3	Volumetric Flow	Rate	IS 11255 (P	art 3)	Nm³/hr		228			
4	Total Particulate	Matter	IS 11255 (P	art 1)	mg/Nm <sup>3</sup>	3	7.6		150	
					kg/day		0.042			
1	Ammonia		IS 11255 (P	art 6)	mg/Nm <sup>3</sup>	0.05	6.20			
					ppm		8.92		50	
					kg/hr		0.0020			
1	Fluoride		IS 11255 (P	art 5)	mg/Nm <sup>3</sup>	0.05	5.50		25	
				322	ppm		7.08			
					kg/day		0.0301			

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Shraddha Kere Technical Manager

CIN: U74999MH2003PLC142228

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Name o	of Organization	: M/s.	Deepak Fertilise	ers And Pe	etrochemicals	Corporation	Limited.				
Custom	ner Address	: Taloja	a Plant Plot K-1	, MIDC In	dustrial Area,	P.O. Taloja I	Dist. Raigad 410	208 Ma	aharashtra		
Custom	ner Reference	: Work	Order no. 4800	055893, 1	Dated 24.07.2	019					
Date	of Sampling	Sample I	Received Date	Analys	nalysis Start Date Analysis Complete Report on I						
2	8.10.2020	29	.10.2020	29	29.10.2020 02.11.2020 02.11.2020						
Sample	туре :	Process (	Gas (Stack)		Sampling	done by	: Netel (India) L	imited			
Stack C	connected to :	NPK Trai	n-1		Stack Dia	neter	: 2772 mm				
Samplin	ng Location :	NPK Trai	n-1		Sample C	ode	: NIL/ST/10/20/	060			
Sr. No.	Paramet	ers	Metho	d l	Unit	MDL*	Results		Consent Limits		
1	Temperature		IS 11255 (P	art 3)	°C		60.0				
2	Velocity of Gas		IS 11255 (P	art 3)	m/sec		11.7				
3	Volumetric Flow	Rate	IS 11255 (P	art 3)	Nm³/hr		226339				
4	Total Particulate	Matter	IS 11255 (P	art 1)	mg/Nm <sup>3</sup>	3	12.6		150		
					kg/day		68.445				
1	Ammonia		IS 11255 (P	art 6)	mg/Nm <sup>3</sup>	0.05	13.70				
				Γ	ppm		19.70		50		
					kg/hr		4.4589				
1	Fluoride		IS 11255 (P	art 5)	mg/Nm <sup>3</sup>	0.05	BDL		25		
					ppm		BDL				
			1.		kg/day		BDL				

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Surekha Jamdar Dy. Technical Manager

Issued by: sicere

Shraddha Kere Technical Manager

CIN: U74999MH2003PLC142228

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\*\*\*End of Report\*\*\*

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Name c	of Organization	: M/s.	Deepak Fertilise	ers And Pe	trochemicals	Corporation	Limited.		
Custon	ner Address	: Taloja	a Plant Plot K-1	MIDC Inc	dustrial Area,	P.O. Taloja	Dist. Raigad 410	0208 Ma	aharashtra
Custon	ner Reference	: Work	Order no. 4800	055893, E	Dated 24.07.2	.019			
Date	e of Sampling	Sample I	Received Date	Analysi	is Start Date	Analys	is Complete Date	Rep	port on Date
2	8.10.2020	29	.10.2020	29.10.2020 02.11.2020 02.11.					
Sample	туре :	Process (	Gas (Stack)		Sampling	done by	: Netel (India)	Limited	
Stack C	Connected to :	NPK Trai	n-2		Stack Dia	meter	: 2772 mm		
Samplii	ng Location :	NPK Trai	n-2		Sample C	ode	: NIL/ST/10/20	/061	
Sr. No.	Paramet	ers	Methoo	1	Unit	MDL*	Results		Consent Limits
1	Temperature		IS 11255 (P	art 3)	°C		62.0		
2	Velocity of Gas		IS 11255 (P	art 3)	m/sec		12.1		
3	Volumetric Flow	Rate	IS 11255 (P	art 3)	Nm³/hr		232917		
4	Total Particulate	Matter	IS 11255 (P	art 1)	mg/Nm³	3	9.8		150
					kg/day		54.782		
1	Ammonia	-	IS 11255 (P	art 6)	mg/Nm <sup>3</sup>	0.05	11.90		
					ppm		17.12		50
					kg/hr		3.9875		
1	Fluoride		IS 11255 (P	art 5)	mg/Nm <sup>3</sup>	0.05	BDL		25
					ppm		BDL		

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Surekha Jamdar Dy. Technical Manager

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Shraddha Kere **Technical Manager** 

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A Neterwala Group Company

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



CIN: U74999MH2003PLC142228

		••••••••				
pak Fertilisers And P	Organization : M/s. Deep	nd Petrochemicals	Corporation	_imited.		
ant Plot K-1, MIDC In	r Address : Taloja Pla	C Industrial Area, F	P.O. Taloja D	ist. Raigad 410	208 Ma	harashtra
der no. 4800055893,	r Reference : Work Orde	393, Dated 24.07.20	)19			
eived Date Analys	f Sampling Sample Recei	nalysis Start Date	Rep	ort on Date		
2020 17	10.2020 17.10.20	17.10.2020	20.1	0.2020	20	.10.2020
(Stack)	ype : Process Gas (	Sampling	done by	Netel (India) L	imited	
	nnected to : Scrubber	Stack Diar	neter	1500 mm		
ber	Location : LDAN Scrubbe	Sample Co	ode	NIL/ST/10/20/	/018	
Method	Parameters	Unit	MDL*	Results		Consent Limits
IS 11255 (Part 3)	emperature IS	) °C		58.0		
IS 11255 (Part 3)	elocity of Gas	) m/sec		1.72		
IS 11255 (Part 3)	olumetric Flow Rate	) Nm³/hr		9838		
IS 11255 (Part 1)	articulate Matter	) mg/Nm <sup>3</sup>	3	6.7		100
		kg/day		1.582		
IS 11255 (Part 6)	mmonia IS	) mg/Nm <sup>3</sup>	0.05	8.0		
		ppm		11.48		50
		kg/hr		0.0787		
			ppm	ppm	ppm 11.48	ppm 11.48

Note :

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Verified by:

Surekha Jamdar Dy. Technical Manager Issued by:

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

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						•			
Name o	f Organization	: M/s.	Deepak Fertilise	ers And F	Petrochemicals	Corporation	Limited.		
Custom	ner Address	: Taloj	a Plant Plot K-1	, MIDC II	ndustrial Area,	P.O. Taloja	Dist. Raigad 410	0208 M	aharashtra
Custom	ner Reference	: Work	Order no. 4800	055893,	Dated 24.07.2	019			
Date	of Sampling	Sample	Received Date	Analy	sis Start Date		is Complete Date	Re	port on Date
1	6.10.2020	17	.10.2020	1	7.10.2020	20.	10.2020	2	20.10.2020
Sample	Туре :	Process	Gas (Stack)		Sampling	done by	: Netel (India)	Limited	
Stack C	onnected to :	GP Vent			Stack Dia	meter	: 640 mm		
Samplir	ng Location :	GP Vent			Sample C	ode	: NIL/ST/10/20	)/019	
Sr. No.	Paramete	ers	Metho	d	Unit	MDL*	Results	i	Consent Limits
1	Temperature	1	IS 11255 (F	Part 3)	°C		42.0		
2	Velocity of Gas		IS 11255 (F	Part 3)	m/sec		1.65		
3	Volumetric Flow	Rate	IS 11255 (F	Part 3)	Nm³/hr		1805		
4	Particulate Matte	r	IS 11255 (F	IS 11255 (Part 1)		3	10.3		100
					kg/day		0.446		
5	Ammonia		IS 11255 (F	art 6)	mg/Nm <sup>3</sup>	0.05	9.4		
					ppm		13.49		50
				3 M	kg/hr		0.0170		

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Shraddha Kere Technical Manager

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CIN: U74999MH2003PLC142228

Name c	of Organization	· M/s	Deepak Fertilise	ors And Pe	trochemicals	Corporation	Limited		
	ner Address		a Plant Plot K-1					0208 M	abarachtra
	her Reference		Order no. 4800				DISL Raiyau 4 II	0200 IVI	anarasinta
Custon	lei Kelerence		Older 110. 4000	1055695, L	Jaleu 24.07.2				
	e of Sampling		Received Date	Date Analysis Start Date Analysis Complete Repor					
1	6.10.2020	17	.10.2020	17.	10.2020	20.	10.2020	2	0.10.2020
Sample	е Туре :	Flue Gas	(Stack)		Sampling	done by	: Netel (India)	Limited	
Stack C	Connected to :	Boiler			Stack Dia	meter	: 1900 mm		
Sampli	ng Location :	Coal Fire	d Boiler		Sample C	ode	: NIL/ST/10/20	)/021	
Sr. No.	Paramete	ers	Metho	deserved a	Unit	MDL*	Results	;	Consent Limits
1	Temperature	l. li	IS 11255 (P	art 3)	°C	2	104		
2	Velocity of Gas		IS 11255 (P	art 3)	m/sec		4.34		
3	Volumetric Flow	Rate	IS 11255 (P	art 3)	Nm³/hr		34872		
4	Total Particulate	Matter	IS 11255 (P	art 1)	mg/Nm <sup>3</sup>	3	38.4		50
				1. N.	kg/day		32.138		
5	Sulphur Dioxide		IS 11255 (P	art 6)	mg/Nm <sup>3</sup>	0.05	1263.5		
					ppm		461.1		
		l.			kg/day		1057.45	8	3200
6	Oxides of Nitrog	en	IS 11255 (P	art 5)	mg/Nm <sup>3</sup>	0.05	237.4		350
	2000						100.0		
				3 S. L.	ppm		126.2		

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Surekha Jamdar Dy. Technical Manager

Issued by: Cere

Shraddha Kere Technical Manager

A Neterwala Group Company

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भारत की कौंद

lame o	of Organization	: M/s.[	Deepak Fertilise	ers And Pe	etrochemicals	Corporation	Limited.			
Custon	ner Address	: Taloja	a Plant Plot K-1	MIDC Inc	dustrial Area,	P.O. Taloja	Dist. Raigad 410	208 Ma	aharashtra	
Custon	ner Reference	: Work	Order no. 4800	055893, [	Dated 24.07.2	019				
Date	e of Sampling	Sample F	Received Date	Analys	nalysis Start Date Analysis Complete Re					
2	26.11.2020	27.	11.2020	27	.11.2020	30.	11.2020	3	0.11.2020	
Sample	е Туре :	Process (	Gas (Stack)		Sampling	done by	: Netel (India) L	imited		
Stack C	Connected to :	ANP Prilli	ng Tower		Stack Dia	meter	: 1655 mm			
Sampli	ng Location :	ANP Prilli	ng Tower		Sample C	ode	: NIL/ST/11/20/	056		
Sr. No.	Paramet	ers	Methoo		Unit	MDL*	Results		Consent Limits	
1	Temperature		IS 11255 (P	art 3)	°C		42.0			
2	Velocity of Gas		IS 11255 (P	art 3)	m/sec		28.2			
3	Volumetric Flow	Rate	IS 11255 (P	art 3)	Nm³/hr		204703			
4	Total Particulate	Matter	IS 11255 (P	art 1)	mg/Nm <sup>3</sup>	3	21.8		150	
					kg/day		107.101			
5	Ammonia		IS 11255 (P	art 6)	mg/Nm³	0.05	9.20			
			1.11		ppm		13.23		50	
					kg/hr		2.7082			
6	Fluoride		IS 11255 (P	art 5)	mg/Nm <sup>3</sup>	0.05	0.26		25	
					ppm		0.33			
			1.1.1		kg/day		1.2773		·	

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Surokha Jamdar Dy. Technical Manager

Issued by:

Shraddha Kere Technical Manager

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CIN: U74999MH2003PLC142228

Name o	of Organization	: M/s. [	Deepak Fertilise	ers And I	Petrochemica	ls Corpora	ation Limited.			
Custom	ner Address	: Taloja	Plant Plot K-1	, MIDC I	ndustrial Area	a, P.O. Ta	loja Dist. Raiga	ad 410208 N	laharashtra	
Custom	ner Reference	: Work	Order no. 4800	055893	, Dated 24.07	.2019				
Date	of Sampling	Sample F	Received Date	Analy	sis Start Dat	e An	alysis Comple Date	. Report on Da		
2	6.11.2020	27.	11.2020	2	7.11.2020		30.11.2020		30.11.2020	
Sample	туре :	Process C	Gas (Stack)		Samplin	g done b	y : Netel (I	ndia) Limited	k	
Stack C	connected to :	LDAN Pril	ling Tower		Stack D	iameter	: 1632 m	m		
Samplii	ng Location :	LDAN Pril	ling Tower		Sample	Code	: NIL/ST/	11/20/055		
Sr. No.	Paramet	ers	Metho	d	Unit	MDL	* Re	sults	Consent Limits	
1	Temperature		IS 11255 (F	Part 3)	°C	C	Ę	55.0		
2	Velocity of Gas		IS 11255 (F	Part 3)	m/sec			2.2		
3	Volumetric Flow	Rate	IS 11255 (F	Part 3)	Nm³/hr		1	5305		
4	Total Particulate	Matter	IS 11255 (F	Part 1)	mg/Nm <sup>3</sup>	3		5.5	150	
			24		kg/day		2	.020		
5	Ammonia		IS 11255 (F	Part 6)	mg/Nm <sup>3</sup>	0.05	5 1	0.40		
					ppm		1	4.96	50	
					kg/hr		0.	2290		
Note									1	

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Verified by:

Surekha Jamdar Dy. Technical Manager Issued by:

CIN: U74999MH2003PLC142228

स्वच्छ) 🕇 मारत

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company



Name o	of Organization	: M/s. E	Deepak Fertilise	ers And Pe	etrochemicals	Corporation	Limited.		
Custon	ner Address	: Taloja	Plant Plot K-1	MIDC Ind	dustrial Area,	P.O. Taloja	Dist. Raigad 41	0208 Ma	aharashtra
Custon	ner Reference	: Work	Order no. 4800	055893, [	Dated 24.07.2	019			
Date	e of Sampling	Sample R	Received Date	Analys	is Start Date	Analys	is Complete Date	Re	port on Date
2	29.12.2020	31.	12.2020	31.	.12.2020	04	.01.2021	0	5.01.2021
Sample	е Туре :	Process G	Gas (Stack)		Sampling	done by	: Netel (India)	Limited	
Stack C	Connected to :	NPK Train	1-1		Stack Dia	meter	: 2772 mm		
Sampli	ng Location :	NPK Train	1-1		Sample C	ode	: NIL/ST/12/20	)/069	
Sr. No.	Paramete	ers	Metho	1	Unit	MDL*	Results	;	Consent Limits
1	Temperature		IS 11255 (P	art 3)	°C		64		
2	Velocity of Gas		IS 11255 (P	art 3)	m/sec		11.4		
3	Volumetric Flow	Rate	IS 11255 (P	art 3)	Nm³/hr		217794	ļ	
4	Total Particulate	Matter	IS 11255 (P	art 1)	mg/Nm <sup>3</sup>	3	10.3		150
				6. M.	kg/day	1	53.839		
5	Ammonia		IS 11255 (P	art 6)	mg/Nm <sup>3</sup>	0.05	14.40		
					ppm		20.71		50
					kg/hr		4.5105		
6	Fluoride		IS 11255 (P	art 5)	mg/Nm <sup>3</sup>	0.05	BDL		25
			Sec. 1		ppm		BDL		
					kg/day		BDL		

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Name o	of Organization	: M/s. [	Deepak Fertilise	ers And P	etrochemicals	Corporation	Limited.		
Custon	ner Address	: Taloja	a Plant Plot K-1	, MIDC In	dustrial Area,	P.O. Taloja	Dist. Raigad 41	0208 Ma	aharashtra
Custon	ner Reference	: Work	Order no. 4800	055893,	Dated 24.07.2	019			
Date	of Sampling	Sample F	Received Date	Analys	sis Start Date	Analys	is Complete Date	Rep	port on Date
2	9.12.2020	31.	12.2020	31	.12.2020	04	.01.2021	0	5.01.2021
Sample	туре :	Process (	Gas (Stack)		Sampling	done by	: Netel (India)	Limited	
Stack C	connected to :	NPK Train	n-2		Stack Dia	meter	: 2772 mm		
Samplii	ng Location :	NPK Train	ו-2		Sample C	ode	: NIL/ST/12/20	)/070	
Sr. No.	Paramet	ers	Metho	ł	Unit	MDL*	Results	5	Consent Limits
1	Temperature		IS 11255 (P	art 3)	°C	1	61		
2	Velocity of Gas		IS 11255 (P	art 3)	m/sec		10.9		
3	Volumetric Flow	Rate	IS 11255 (P	art 3)	Nm³/hr		209930	)	
4	Total Particulate	Matter	IS 11255 (P	art 1)	mg/Nm³	3	8.7		150
					kg/day		43.833		
1	Ammonia		IS 11255 (P	art 6)	mg/Nm³	0.05	16.10		
			120.00		ppm		23.16		50
				Γ	kg/hr		4.8620		
1	Fluoride		IS 11255 (P	art 5)	mg/Nm³	0.05	BDL		25
					ppm		BDL		
				Г	kg/day		BDL		
Note			1		5,				A HEREIT A

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				2 CT2325 331		To				
Name o	of Organization	: M/s. [	Deepak Fertilise	ers And Pe	etrochemicals	Corporation	Limited.			
Custom	ner Address	: Taloja	a Plant Plot K-1	, MIDC In	dustrial Area,	P.O. Taloja	Dist. Raigad 410	208 Mahara	shtra	
Custom	ner Reference	: Work	Order no. 4800	055893, 1	Dated 24.07.2	019				
Date	of Sampling	Sample F	Received Date	Analys	lysis Start Date Analysis Complete Repor					
3	0.12.2020	31.	12.2020	31	.12.2020	04.	01.2021	05.01.	2021	
Sample	Туре :	Process (	Gas (Stack)		Sampling	done by	: Netel (India) L	imited		
Stack C	connected to :	LDAN Pri	lling Tower		Stack Dia	meter	: 1632 mm			
Samplii	ng Location :	LDAN Pri	lling Tower		Sample C	ode	: NIL/ST/12/20/	073		
Sr. No.	Paramete	ers	Method	1	Unit	MDL*	Results	(	Consent Limits	
1	Temperature		IS 11255 (P	art 3)	°C		57			
2	Velocity of Gas		IS 11255 (P	art 3)	m/sec		2.1			
3	Volumetric Flow	Rate	IS 11255 (P	art 3)	Nm³/hr		13971			
4	Total Particulate	Matter	IS 11255 (P	art 1)	mg/Nm <sup>3</sup>	3	7.6		150	
					kg/day		2.548			
1	Ammonia		IS 11255 (P	art 6)	mg/Nm³	0.05	8.90			
					ppm		12.80		50	
					kg/hr		0.1788			
1	Fluoride		IS 11255 (P	art 5)	mg/Nm <sup>3</sup>	0.05	BDL		25	
					ppm		BDL			
			1.2.2.4.3.2.8.4		kg/day		BDL			

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						-			
Name o	of Organization	: M/s.[	Deepak Fertilise	ers And P	etrochemicals	Corporation	Limited.		
Custon	ner Address	: Taloja	Plant Plot K-1	, MIDC In	dustrial Area,	P.O. Taloja	Dist. Raigad 410	208 Ma	aharashtra
Custon	ner Reference		Order no. 4800						
Date	e of Sampling	Sample F	Received Date	Analys	sis Start Date		is Complete Date	Rep	oort on Date
3	0.12.2020	31.	12.2020	31	.12.2020	04.	01.2021	0	5.01.2021
Sample	туре :	Process C	Gas (Stack)		Sampling	done by	: Netel (India) L	imited	
Stack C	Connected to :	ANP Prilli	ng Tower		Stack Dia	meter	: 1655 mm		
Sampliı	ng Location :	ANP Prilli	ng Tower		Sample C	ode	: NIL/ST/12/20/	074	
Sr. No.	Paramet	ers	Method	ł	Unit	MDL*	Results		Consent Limits
1	Temperature		IS 11255 (P	art 3)	°C	3.5 <b></b> - 1	43		
2	Velocity of Gas		IS 11255 (P	art 3)	m/sec		22.1		
3	Volumetric Flow	Rate	IS 11255 (P	art 3)	Nm³/hr		160186		
4	Total Particulate	Matter	IS 11255 (P	art 1)	mg/Nm <sup>3</sup>	3	18.8		150
					kg/day		72.276		
1	Ammonia		IS 11255 (P	art 6)	mg/Nm <sup>3</sup>	0.05	11.70		
					ppm		16.83		50
				L L	kg/hr		2.6959		
1	Fluoride		IS 11255 (P	art 5)	mg/Nm <sup>3</sup>	0.05	1.41		25
					ppm		1.81		
				6.75	kg/day		5.4207		

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			REFURI		
Custome					
Custome	r Address : Taloja Plant Plot k	K-1, MIDC Industr	ial Area, P.O. Ta	aloja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference : Work Order no. 48	300055893, Dated	24.07.2019		
Sample T			Sampling Do	ne By : Netel (In	dia) Limited
Stack Co	nnected to : ANP Prilling Towe	r	Stack Diame	ter : 1655 mn	n
	campling : 07.01.2021		Analysis Dat	e : 09.01.20	21 — 12.01.2021
	Received : 09.01.2021		Date of Repo	0	21
Sampling	J Location : ANP Prilling Towe	r	Sample Code	e : NIL/ST/C	)1/21/018
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	44	°C		IS 11255 (Part 3)
2	Velocity of Gas	22.51	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	162627	Nm³/hr		IS 11255 (Part 3)
4	Particulate Matter	17.7	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1)
		69.084	kg/day		
5	Ammonia	16.7	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		24.0	ppm	50	
		2.716	kg/hr		
6	Fluoride	0.29	mg/Nm <sup>3</sup>	25	IS 11255 (Part 5)
		0.37	ppm		
		1.132	kg/day		

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Surekha Jamdar Dy. Technical Manager

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Cere

Shraddha Kere Technical Manager

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A Neterwala Group Company

CIN: U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



			VEFUNI		
Custome	er Name : M/s. Deepak Fertil	isers And Petroch	emicals Corpora	ation Limited.	
Custome	er Address : Taloja Plant Plot K	-1, MIDC Industria	al Area, P.O. Ta	loja Dist. Raigad 410	0208 Maharashtra
Custome	r Reference : Work Order no. 48	00055893, Dated	24.07.2019		*
Sample 1	Type : Process Stack		Sampling Do	ne By : Netel (Ind	dia) Limited
Stack Co	nnected to : LDAN Prilling Tow	er	Stack Diamet		1
	campling : 07.01.2021		Analysis Date	e : 09.01.20	21 — 12.01.2021
	Received : 09.01.2021		Date of Repo	rting : 13.01.20	21
Sampling	g Location : LDAN Prilling Tow	er	Sample Code	: NIL/ST/0	1/21/017
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	59	°C		IS 11255 (Part 3)
2	Velocity of Gas	2.33	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	15708	Nm³/hr		IS 11255 (Part 3)
4	Particulate Matter	7.7	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1)
		2.903	kg/day		
5	Ammonia	8.1	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		11.7	ppm	50	2000 ×
		0.127	kg/hr		

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Verified by

Surekna Jamdar Dy. Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

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Issued by:

Core Shraddha Kere

**Technical Manager** 





Custome	r Name : M/s. Deepak Fertil	isers And Petroche	micals Corpora	ition Limited.	
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industria	Area, P.O. Tal	oja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference : Work Order no. 48				
Sample T	ype : Process Gas (Stac	:k)	Sampling Dor	ne By : Netel (In	dia) Limited
Stack Co	nnected to : WNA - 1		Stack Diamete	er : 953 mm	
Date of S	ampling : 25.02.2021		Analysis Date	: 27.02.20	021 — 02.03.2021
Sample R	Received : 27.02.2021		Date of Repor	ting : 03.03.20	)21
Sampling	Location : WNA - 1		Sample Code	: NIL/ST/0	02/21/165
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	136	°C		IS 11255 (Part 3)
2	Velocity of Gas	2.42	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	4527	Nm³/hr		IS 11255 (Part 3)
4	Oxides of Nitrogen	14.9	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		26.8	ppm		
		1.619	kg/day		
		0.0073	kg/ton of WNA	3	
5	Ammonia	20.4	mg/Nm³		IS 11255 (Part 6)
		29.3	ppm	50	
		0.0924	kg/hr		

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Verified by:

Surekha Jamdar Dy. Technical Manager Issued by: WWW Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

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		ILUIT	CEPUKI		
Custome	r Name : M/s. Deepak Fertil	isers And Petroche	emicals Corpora	tion Limited.	
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industria	l Area, P.O. Tal	oja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference: Work Order no. 48	00055893, Dated	24.07.2019		
Sample T	ype : Process Gas (Stad	ck)	Sampling Dor	ne By : Netel (In	idia) Limited
Stack Co	nnected to : WNA - 2		Stack Diameter	er : 953 mm	
Date of S	ampling : 25.02.2021		Analysis Date	: 27.02.20	021 — 02.03.2021
Sample F			Date of Repor		)21
Sampling	Location : WNA - 2		Sample Code	: NIL/ST/	02/21/166
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	140	°C		IS 11255 (Part 3)
2	Velocity of Gas	2.13	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	3946	Nm³/hr		IS 11255 (Part 3)
4	Oxides of Nitrogen	16.4	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		29.5	ppm		
		1.553	kg/day		
		0.0060	kg/ton of WNA	3	
5	Ammonia	17.4	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		25.0	ppm	50	
		0.0687	kg/hr		

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Verified by: Surekha Jamdar

Dy. Technical Manager

\*\*\*End of Report\*\*\*

Issued by: Shraddha Kere

Technical Manager

A Neterwala Group Company

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Custome	r Name : M/s. Deepak Fertil	isers And Petroche	micals Corpora	tion Limited.	
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industria	Area, P.O. Tal	oja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference : Work Order no. 48	00055893, Dated 2	24.07.2019		
Sample T	ype : Process Gas (Stac	:k)	Sampling Dor	ne By : Netel (Ir	dia) Limited
Stack Co	nnected to : WNA - 3		Stack Diamete	er : 953 mm	
Date of S	ampling : 25.02.2021		Analysis Date	: 27.02.20	021 — 02.03.2021
Sample F	Received : 27.02.2021		Date of Repor	ting : 03.03.20	)21
Sampling	Location : WNA - 3		Sample Code	: NIL/ST/	02/21/167
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	133	°C		IS 11255 (Part 3)
2	Velocity of Gas	2.56	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	4825	Nm³/hr		IS 11255 (Part 3)
4	Oxides of Nitrogen	10.9	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		19.6	ppm		
		1.262	kg/day		
		0.0047	kg/ton of WNA	3	
5	Ammonia	22.3	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		32.1	ppm	50	
		0.1076	kg/hr		

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Verified by:

Suretha Jamdar

Dy. Technical Manager

\*\*\*End of Report\*\*\*

Issued by: 110 Shraddha Kere **Technical Manager** 

A Neterwala Group Company

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Custome	r Name : M/s. Deepak Fertil	isers And Petroche	emicals Corpora	tion Limited.	
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industria	Area, P.O. Tal	oja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference : Work Order no. 48	00055893, Dated 2	24.07.2019		
Sample T	ype : Process Gas (Stac	:k)	Sampling Dor	e By : Netel (In	dia) Limited
Stack Co	nnected to : WNA - 4		Stack Diamete	er : 953 mm	
Date of S	ampling : 25.02.2021		Analysis Date	: 27.02.20	021 — 02.03.2021
Sample F	Received : 27.02.2021		Date of Repor	ting : 03.03.20	)21
Sampling	J Location : WNA - 4		Sample Code	: NIL/ST/	)2/21/168
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	127	°C		IS 11255 (Part 3)
2	Velocity of Gas	2.58	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	4935	Nm³/hr		IS 11255 (Part 3)
4	Oxides of Nitrogen	8.9	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		16.0	ppm		
		1.054	kg/day		
		0.0026	kg/ton of WNA	3	
5	Ammonia	23.2	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		33.4	ppm	50	
		0.1145	kg/hr		

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Verified by:

Surekha Jamdar Dy. Technical Manager

\*\*\*End of Report\*\*\*

Issued by Shraddha Kere **Technical Manager** 

A Neterwala Group Company

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E-mail : sales@netel-india.com Website : www.netel-india.com CIN : U74999MH2003PLC142228







Custome	r Name : M/s. Deepak Fertil	isers And Petroche	micals Corpora	ation Limited.		
Custome	Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Custome	r Reference : Work Order no. 48	00055893, Dated 2	24.07.2019			
Sample T	ype : Process Stack		Sampling Do	ne By : Netel (In	idia) Limited	
Stack Co	nnected to : LDAN Prilling Tow	er	Stack Diamet	er : 1632 mr	n	
Date of S	ampling : 26.02.2021		Analysis Date	e : 01.03.20	021 — 04.03.2021	
Sample R	Received : 01.03.2021		Date of Repo	rting : 05.03.20	)21	
Sampling	Location : LDAN Prilling Tow	er	Sample Code	: NIL/ST/	)2/21/182	
Sr. No.	Parameter	Result	Unit	Consent Limit	Method	
1	Temperature	62	°C		IS 11255 (Part 3)	
2	Velocity of Gas	2.03	m/sec		IS 11255 (Part 3)	
3	Volumetric Flow Rate	13563	Nm³/hr		IS 11255 (Part 3)	
4	Particulate Matter	10.2	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1)	
		3.320	kg/day			
5	Ammonia	11.3	mg/Nm <sup>3</sup>		IS 11255 (Part 6)	
	t.	16.3	ppm	50		
		0.153	kg/hr			

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Verified by:

Surekha Jamdar Dy. Technical Manager

\*\*\*End of Report\*\*\*

Issued by: Shraddha Kere **Technical Manager** 

A Neterwala Group Company

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		ILUII				
Custome	r Name : M/s. Deepak Fertil	isers And Petroche	micals Corpora	ation Limited.		
Custome	ustomer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra					
Custome	r Reference : Work Order no. 48	00055893, Dated 2	24.07.2019			
Sample T	ype : Process Stack		Sampling Do	ne By : Netel (Ir	idia) Limited	
Stack Co	nnected to : LDAN Venturi Scru	ubber	Stack Diamet	er : 1500 mr	n	
Date of S	ampling : 26.02.2021		Analysis Date	e : 01.03.20	021 — 04.03.2021	
Sample F	Received : 01.03.2021		Date of Repo	rting : 05.03.20	)21	
Sampling	Location : LDAN Venturi Scru	ubber	Sample Code	: NIL/ST/	02/21/184	
Sr. No.	Parameter	Result	Unit	Consent Limit	Method	
1	Temperature	82	°C		IS 11255 (Part 3)	
2	Velocity of Gas	2.19	m/sec		IS 11255 (Part 3)	
3	Volumetric Flow Rate	11664	Nm³/hr		IS 11255 (Part 3)	
4	Particulate Matter	10.3	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1)	
		2.883	kg/day			
5	Ammonia	9.7	mg/Nm <sup>3</sup>		IS 11255 (Part 6)	
		14.0	ppm	50		
		0.113	kg/hr			

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Verified by:

Surèkha Jamdar Dy. Technical Manager

Issued by: Shraddha Kere **Technical Manager** 

\*\*\*End of Report\*\*\*

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Custome	r Name : M/s. Deepak Fertili	isers And Petroche	micals Corpora	ation Limited.	
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industrial	Area, P.O. Tal	loja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference: Work Order no. 48	00055893, Dated 2	24.07.2019		
Sample T	ype : Process Stack		Sampling Dor	ne By : Netel (In	idia) Limited
Stack Co	nnected to : G P Vent		Stack Diamet	er : 640 mm	
Date of S	ampling : 26.02.2021		Analysis Date	e : 01.03.20	021 — 04.03.2021
Sample F	Received : 01.03.2021		Date of Repo	rting : 05.03.20	)21
Sampling	Location : G P Vent		Sample Code	: NIL/ST/	)2/21/183
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	86	°C		IS 11255 (Part 3)
2	Velocity of Gas	2.33	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	2234	Nm³/hr		IS 11255 (Part 3)
4	Particulate Matter	12.7	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1)
		0.681	kg/day		
5	Ammonia	13.8	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		19.8	ppm	50	
		0.031	kg/day		

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Verified by

Surekha Jamdar Dy. Technical Manager

Issued by: 6111

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

W-408, Rabale MIDC, Tel. : 72080976 92 / 93 / 94 / 95 TTC Industrial Area, NAVI MUMBAI - 400 701. INDIA. E-mail : sales@netel-india.com Website : www.netel-india.com CIN : U74999MH2003PLC142228







Custome	r Name : M/s. Deepak Fertili	isers And Petroche	micals Corpora	ation Limited.	
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industria	Area, P.O. Ta	loja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference: Work Order no. 48			, , , , , , , , , , , , , , , , , , , ,	
Sample T			Sampling Do	ne By : Netel (Ir	ndia) Limited
	nnected to : Boiler		Stack Diamet	er : 1900 mr	n
Date of S			Analysis Date	e : 01.03.20	021 — 04.03.2021
Sample R			Date of Repo		)21
Sampling	Location : Coal Fire Boiler		Sample Code	: NIL/ST/	02/21/185
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	104	°C		IS 11255 (Part 3)
2	Velocity of Gas	4.89	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	39391	Nm³/hr		IS 11255 (Part 3)
4	Particulate Matter	33.7	mg/Nm³	50	IS 11255 (Part 1)
		31.859	kg/day		
5	Sulphur Dioxide	572.5	mg/Nm <sup>3</sup>		IS 11255 (Part 2)
		218.5	ppm		
		541.2	kg/day	3200	
6	Oxides of Nitrogen	162.0	mg/Nm <sup>3</sup>		IS 11255 (Part 7)
		132.0	ppm	350	
		153.2	kg/day		

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Verified by:

Surewha Jamdar Dy. Technical Manager

Issued by: Shraddha Kere **Technical Manager** 

\*\*\*End of Report\*\*\*

A Neterwala Group Company

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Tel. : 72080976 92 / 93 / 94 / 95

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Custome	r Name : M/s. Deepak Fertil	sers And Petroch	emicals Corpora	ation Limited.				
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industri	al Area, P.O. Ta	loja Dist. Raigad 41	0208 Maharashtra			
Custome	r Reference: Work Order no. 48	00055893, Dated	24.07.2019					
Sample T	e Type : Flue Gas (Stack) Sampling Done By : Netel (India) Limited							
Stack Co	nnected to : GT-2		Stack Diamet	ter : 1500 mr	n			
Date of S	1 8		Analysis Date		021 — 15.03.2021			
	Received : 12.03.2021		Date of Repo		and the second se			
Sampling	Location : HRSG 2		Sample Code	e : NIL/ST/(	03/21/016			
Sr. No.	Parameter	Result	Unit	Consent Limit	Method			
1	Temperature	98	°C		IS 11255 (Part 3)			
2	Velocity of Gas	10.77	m/sec		IS 11255 (Part 3)			
3	Volumetric Flow Rate	54838	Nm³/hr		IS 11255 (Part 3)			
4	Sulphur Dioxide	1.4	mg/Nm <sup>3</sup>		IS 11255 (Part 2)			
		0.5	ppm					
		1.843	kg/day					
5	Oxides of Nitrogen	13.6	mg/Nm <sup>3</sup>	350	IS 11255 (Part 7)			
		7.2	ppm					
		17.899	kg/day					
6	Carbon Monoxide	32.5	mg/Nm <sup>3</sup>		USEPA – 10A			
		28.4	ppm					
		42.774	kg/day					

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Verified by:

Surekha Jamdar

Dy. Technical Manager

Issued by: cere

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

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Customer	r Name ; M/s. Deepak Fertili	sers And Petroch	emicals Corpora	ation Limited.	
Customer	r Address : Taloja Plant Plot K	-1, MIDC Industria	al Area, P.O. Tal	oja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference : Work Order no. 48	00055893, Dated	24.07.2019	,	
Sample T	ype : Flue Gas (Stack)		Sampling Do	ne By : Netel (In	dia) Limited
Stack Co	nnected to : GT-5		Stack Diamet	er : 1500 mn	n
Date of S	ampling : 10.03.2021		Analysis Date	e : 12.03.20	021 — 15.03.2021
Sample R	eceived : 12.03.2021		Date of Repo	rting : 16.03.20	)21
Sampling	Location : HRSG 5		Sample Code	: NIL/ST/0	)3/21/017
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	104	°C		IS 11255 (Part 3)
2	Velocity of Gas	10.63	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	53264	Nm³/hr		IS 11255 (Part 3)
4	Sulphur Dioxide	BDL	mg/Nm <sup>3</sup>		IS 11255 (Part 2)
		BDL	ppm		
		BDL	kg/day		
5	Oxides of Nitrogen	225.0	mg/Nm <sup>3</sup>	350	IS 11255 (Part 7)
32 - S		119.6	ppm		
		287.626	kg/day		
6	Carbon Monoxide	5.7	mg/Nm <sup>3</sup>		USEPA – 10A
		5.0	ppm		
	<i>n</i> .	7.287	kg/day		

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Verified by:

Surekha Jamdar Dy. Technical Manager

Issued by:

Cele Shraddha Kere **Technical Manager** 

\*\*\*End of Report\*\*\*

A Neterwala Group Company

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Custome					
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industria	al Area, P.O. Ta	loja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference: Work Order no. 48	00055893, Dated	24.07.2019		
Sample T	ype : Flue Gas (Stack)		Sampling Do	ne By : Netel (Ir	ndia) Limited
Stack Co	nnected to : Boiler		Stack Diamet	:er : 1830 mr	n
Date of S	ampling : 10.03.2021		Analysis Date	e : 12.03.20	021 — 15.03.2021
Sample F	Received : 12.03.2021		Date of Repo	rting : 16.03.20	021
Sampling	Location : Boiler D		Sample Code	e : NIL/ST/	03/21/018
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	105	°C		IS 11255 (Part 3)
2	Velocity of Gas	4.82	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	35880	Nm³/hr		IS 11255 (Part 3)
4	Sulphur Dioxide	BDL	mg/Nm <sup>3</sup>		IS 11255 (Part 2)
		BDL	ppm	·	
		BDL	kg/day		
5	Oxides of Nitrogen	6.8	mg/Nm <sup>3</sup>	350	IS 11255 (Part 7)
		3.6	ppm		
		5.856	kg/day		
6	Carbon Monoxide	9.1	mg/Nm <sup>3</sup>		USEPA – 10A
		7.9	ppm		
	S.	7.836	kg/day		

#### **TEST REPORT**

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Verified by:

Surekha Jamdar Dy. Technical Manager

Issued by: spere

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

W-408, Rabale MIDC, TTC Industrial Area, NAVI MUMBAI - 400 701. INDIA. E-mail : sales@netel-india.com Website : www.netel-india.com CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61

Tel.: 72080976 92 / 93 / 94 / 95





			LIUNI		
Custome	r Name : M/s. Deepak Fertil	isers And Petroch	emicals Corpora	ation Limited.	
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industria	al Area, P.O. Ta	loja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference : Work Order no. 48	00055893, Dated	24.07.2019		
Sample T	ype : Flue Gas (Stack)		Sampling Do	ne By : Netel (Ir	ndia) Limited
Stack Co	nnected to : Boiler		Stack Diamet	er : 1500 mr	n
Date of S	ampling : 10.03.2021		Analysis Date	e : 12.03.20	021 — 15.03.2021
Sample R	teceived : 12.03.2021		Date of Repo	rting : 16.03.20	)21
Sampling	Location : Boiler A		Sample Code	: NIL/ST/	03/21/019
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	109	°C		IS 11255 (Part 3)
2	Velocity of Gas	6.25	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	30927	Nm³/hr		IS 11255 (Part 3)
4	Sulphur Dioxide	BDL	mg/Nm <sup>3</sup>		IS 11255 (Part 2)
		BDL	ppm		
		BDL	kg/day		
5	Oxides of Nitrogen	26.1	mg/Nm <sup>3</sup>	350	IS 11255 (Part 7)
	3	13.9	ppm		
		19.373	kg/day		
6	Carbon Monoxide	6.6	mg/Nm <sup>3</sup>		USEPA – 10A
		5.8	ppm		
		4.899	kg/day		

#### **TEST REPORT**

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3. The Complaint Register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:

Surekha Jamdar Dy. Technical Manager

Issued by:

cere Shraddha Kere

Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

W-408, Rabale MIDC, Tel. : 72080976 92 / 93 / 94 / 95 TTC Industrial Area, NAVI MUMBAI - 400 701. INDIA. E-mail : sales@netel-india.com Website : www.netel-india.com CIN : U74999MH2003PLC142228







	r Name : M/s. Deepak Fertil				
Custome	r Address : Taloja Plant Plot K	<ol> <li>MIDC Industria</li> </ol>	l Area, P.O. Ta	loja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference: Work Order no. 48	00055893, Dated 3	24.07.2019		
Sample T	ype : Process Gas (Stac	:k)	Sampling Do	ne By : Netel (Ir	idia) Limited
Stack Co	nnected to :		Stack Diamet	er : 2772 mr	n
Date of S	ampling : 11.03.2021		Analysis Date	e : 13.03.20	021 — 16.03.2021
Sample R	leceived : 13.03.2021		Date of Repo	rting : 17.03.20	)21
Sampling	Location : NPK Train - 2		Sample Code	: NIL/ST/	03/21/023
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	61	°C		IS 11255 (Part 3)
2	Velocity of Gas	11.99	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	231499	Nm³/hr		IS 11255 (Part 3)
4	Particulate Matter	20.2	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1)
		112.231	kg/day		
5	Ammonia	16.2	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
~		23.3	ppm	50	
		3.750	kg/hr		
6	Fluoride	BDL	mg/Nm <sup>3</sup>	25	IS 11255 (Part 5)
	8 5	BDL	ppm		
		BDL	kg/day		

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Verified by

Surekha Jamdar Dy. Technical Manager Issued by:

1 Cere

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

W-408, Rabale MIDC, Tel. : 72080976 92 / 93 / 94 / 95 TTC Industrial Area, NAVI MUMBAI - 400 701. INDIA. E-mail : sales@netel-india.com Website : www.netel-india.com CIN : U74999MH2003PLC142228







Custome	r Name : M/s. Deepak Fertil	isers And Petroche	emicals Corpora	ation Limited.	
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industria	al Area, P.O. Ta	loja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference : Work Order no. 48	00055893, Dated	24.07.2019		
Sample T	ype : Process Gas (Stac	ck)	Sampling Do	ne By : Netel (In	dia) Limited
Stack Co	nnected to :		Stack Diamet	er : 2772 mn	n
Date of S			Analysis Date	e : 13.03.20	021 — 16.03.2021
	Received : 13.03.2021		Date of Repo		and a second
Sampling	Location : NPK Train - 1		Sample Code	: NIL/ST/C	03/21/022
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	58	°C		IS 11255 (Part 3)
2	Velocity of Gas	11.76	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	229116	Nm³/hr		IS 11255 (Part 3)
4	Particulate Matter	16.8	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1)
		92.380	kg/day		
5	Ammonia	13.4	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		19.3	ppm	50	
		3.070	kg/hr		
6	Fluoride	BDL	mg/Nm <sup>3</sup>	25	IS 11255 (Part 5)
	6	BDL	ppm		
		BDL	kg/day		

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Verified by:

Surekha Jamdar Dy. Technical Manager

Issued by:

Cere

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

W-408, Rabale MIDC, TTC Industrial Area, NAVI MUMBAI - 400 701. INDIA. E-mail : sales@netel-india.com Website : www.netel-india.com CIN : U74999MH2003PLC142228







Custome	r Name : M/s. Deepak Fertil	isers And Petroche	emicals Corpora	ation Limited.	
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industria	I Area, P.O. Ta	loja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference: Work Order no. 48	00055893, Dated	24.07.2019		
Sample T	ype : Process Gas (Stac	:k)	Sampling Do	ne By : Netel (In	idia) Limited
Stack Co	nnected to :		Stack Diamet	er : 1500 mr	n
Date of S	ampling : 11.03.2021		Analysis Date	e : 13.03.20	021 — 16.03.2021
	Received : 13.03.2021		Date of Repo	rting : 17.03.20	)21
Sampling	J Location : ANP Deducting Ur	iit Stack	Sample Code	: NIL/ST/0	03/21/020
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	58	°C		IS 11255 (Part 3)
2	Velocity of Gas	10.86	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	61971	Nm³/hr		IS 11255 (Part 3)
4	Particulate Matter	33.9	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1)
		50.420	kg/day		
5	Ammonia	24.7	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		35.5	ppm	50	
		1.531	kg/hr		
6	Fluoride	6.40	mg/Nm <sup>3</sup>	25	IS 11255 (Part 5)
		8.24	ppm		E SAN
		9.519	kg/day		

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Verified by:

Surekha Jamdar Dy. Technical Manager Issued by:

cere

<sup>2</sup> Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

W-408, Rabale MIDC, Tel. : 72080976 92 / 93 / 94 / 95 TTC Industrial Area, NAVI MUMBAI - 400 701. INDIA. E-mail : sales@netel-india.com Website : www.netel-india.com CIN : U74999MH2003PLC142228







Custome	r Name : M/s. Deepak Fertil	isers And Petroche	emicals Corpora	ation Limited.	
Custome	r Address : Taloja Plant Plot K	-1, MIDC Industria	I Area, P.O. Ta	loja Dist. Raigad 41	0208 Maharashtra
Custome	r Reference: Work Order no. 48	00055893, Dated	24.07.2019		
Sample T	ype : Process Gas (Stac	:k)	Sampling Do	ne By : Netel (In	dia) Limited
Stack Co	nnected to :		Stack Diamet	er : 200 mm	
	ampling : 11.03.2021		Analysis Date	e : 13.03.20	021 — 16.03.2021
	leceived : 13.03.2021		Date of Repo	•	
Sampling	Location : ANP - Vaccum Pul	mp	Sample Code	: NIL/ST/	)3/21/021
Sr. No.	Parameter	Result	Unit	Consent Limit	Method
1	Temperature	49	°C		IS 11255 (Part 3)
2	Velocity of Gas	6.42	m/sec		IS 11255 (Part 3)
3	Volumetric Flow Rate	669	Nm³/hr		IS 11255 (Part 3)
4	Particulate Matter	12.7	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1)
		0.204	kg/day		
5	Ammonia	7.3	mg/Nm <sup>3</sup>		IS 11255 (Part 6)
		10.5	ppm	50	
		0.005	kg/hr		
6	Fluoride	7.80	mg/Nm <sup>3</sup>	25	IS 11255 (Part 5)
		10.04	ppm		
		0.125	kg/day		

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Verified by:

Surekha Jamdar Dy. Technical Manager

Issued by:

Kere.

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

W-408, Rabale MIDC, Tel. : 72080976 92 / 93 / 94 / 95 TTC Industrial Area, NAVI MUMBAI - 400 701. INDIA. E-mail : sales@netel-india.com Website : www.netel-india.com CIN : U74999MH2003PLC142228





# Annexure 2: Treated Water Analysis Reports

Name o	of Organization	: M/s. Deer	oak Fertilise	ers And Petr	ochemicals C	orporation Limite	ed	
	ner Address							0208 Maharashtra
Custon	ner Reference				ated 24.07.201		turgua Th	ozoo manaraonna
Date	e of Sampling	Sample Rece			Start Date	Analysis Cor Date	nplete	Report on Date
1	6.10.2020	19.10.2	2020	19.1	0.2020	21.10.20	20	22.10.2020
Sample	туре :	Water			Sampling de	one by : Ne	tel (India)	Limited
Sample	Container :	Plastic can			Sample Qua			
Sampli	ng Location :	Treated Efflue	nt (ETP)		Sample Coc	le : NIL	./W/10/20/	/096
Sr. No.	Test Par	ameter	M	ethod	Unit	MDL*	Resu	Ilt Consent Lim
1	pН		IS 302	5 (Part 11)	-	0.5 - 13.5	7.14	6.0 - 8.5
2	Total Dissolved S	Solids	IS 302	5 (Part 16)	mg/lit	5	1620	0 2100
3	Total Suspended	Solids	IS 302	5 (Part 17)	mg/lit	5	28	100
4	COD		IS 302	5 (Part 58)	mg/lit	10	102	250
5	BOD		IS 302	5 (Part 44)	mg/lit	5	37	100
6	Residual Free Ch	nlorine	IS 302	5 (Part 26)	mg/lit	0.1	<0.1	1 1
-7	Fluoride		APHA	4500-F-D	mg/lit	0.02	0.3	1.5
8	Nitrate Nitrogen		IS 302	5 (Part 34)	mg/lit	0.5	14.9	20
9	Phosphate		APHA	4500-P-C	mg/lit	1	4.6	5
10	Free Ammonical		IS 302	5 (Part 34)	mg/lit	0.5	0.16	3 4
11	Ammonical Nitrog	gen	IS 302	5 (Part 34)	mg/lit	0.1	22.8	3 50
12	Arsenic		APH/	A 3114-C	mg/lit	0.005	BDL	. 0.2
13	Cyanide		APHA 4500-CN-E		mg/lit	0.01	BDL	- 0.2
14	Vanadium		APHA 3111-B		mg/lit	0.2	BDL	- 0.2
15	Total Chromium		APHA 3111-B		mg/lit	0.01	BDL	- 2
16	Hexavalent Chro	mium (Cr <sup>6</sup> ⁺)	APHA	3500-Cr-B	mg/lit	0.1	BDL	- 0.1
17 Note	Oil & Grease		APH	A 5520-B	mg/lit	0.2	0.2	10

1. MDL - Method Detectible Limit.

2. BDL - Below Detectible Limit.

3. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.

4. This Test Report refers only to the sample tested.

5. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:

Surekha Jamdar Dy. Technical Manager

Issued by:

Shraddha Kere **Technical Manager** 

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN: U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 · Website : www.netel-india.com · E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.

Custom	er Name : M/s. Deepak Fert		omicals Corport	ation Limited	
	er Name : M/s. Deepak Fert er Address : Taloja Plant Plot				208 Maharashtra
				ioja Dist. Naiyau 410	200 Manarasina
	er Reference: Work Order no. 4	800055893, Daled		I NULLIUS	N. I. See Steered
Sample				ne by : Netel (India	) Limited
	Container : Plastic can			tity : 2 Litres e : 30.11.2020	03 12 2020
	Sampling : 27.11.2020			rting: 04.12.2020	
	Received : 30.11.2020	nt	Sample Code		
	ng Location : ETP Treated Efflue		and the second se	Consent Limits	Method
Sr. No.		Result	Unit		
1	pH	7.06	-	6.0 - 8.5	IS 3025 (Part 11)
2	Total Dissolved Solids	1328	mg/lit	2100	IS 3025 (Part 16)
3	Total Suspended Solids	38	mg/lit	100	IS 3025 (Part 17)
4	COD	56	mg/lit	250	IS 3025 (Part 58)
5	BOD	14	mg/lit	100	IS 3025 (Part 44)
6	Residual Free Chlorine	BDL	mg/lit	1	IS 3025 (Part 26)
7	Fluoride	0.70	mg/lit	1.5	APHA 4500-F-D
8	Nitrate Nitrogen	10.8	mg/lit	20	IS 3025 (Part 34)
9	Phosphate	4.5	mg/lit	5	APHA 4500-P-C
10	Free Ammonical Nitrogen	0.3	mg/lit	4	IS 3025 (Part 34)
11	Ammonical Nitrogen	18.9	mg/lit	50	IS 3025 (Part 34)
12	Arsenic	BDL	mg/lit	0.2	APHA 3114-C
13	Cyanide	BDL	mg/lit	0.2	APHA 4500-CN-E
14	Vanadium	BDL	mg/lit	0.2	APHA 3111-B
15	Total Chromium (as Cr)	BDL	mg/lit	2	APHA 3111-B
16	Hexavalent Chromium (Cr <sup>6+</sup> )	BDL	mg/lit	0.1	APHA 3500-Cr-B
17	Oil & Grease	0.3	mg/lit	10	APHA 5520-B

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Verified by:

Surekha Jamdar Dy. Technical Manager

\*\*\*End of Report\*\*\*

Issued by:

cere

Shraddha Kere Technical Manager

A Neterwala Group Company

CIN: U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.

			I LOI I				
of Organization	: M/s. Deep	oak Fertilise	ers And Peti	rochemicals C	Corporation Limi	ited.	
ner Address	: Taloja Pla	ant Plot K-1	, MIDC Indu	ustrial Area, P	.O. Taloja Dist.	Raigad 4102	08 Maharashtra
ner Reference	: Work Ord	er no. 4800	)055893, Da	ated 24.07.20	19		
e of Sampling	Sample Rece	ived Date	Analysis	Start Date			Report on Date
1.12.2020	02.01.2	2021	02.0	1.2021	05.01.2	021	06.01.2021
туре :	Water			Sampling d	one by : No	etel (India) Li	mited
Container :	Plastic can			Sample Qu			
ng Location :	Treated Efflue	ent (ETP)		Sample Co	de : N	IL/W/01/21/0	18
Test Par	ameter	M	ethod	Unit	MDL*	Result	Consent Limits
pН		IS 302	5 (Part 11)	-	0.5 - 13.5	7.64	6.0 - 8.5
Total Dissolved S	Solids	IS 302	5 (Part 16)	mg/lit	5	1488	2100
Total Suspended	Solids	IS 302	5 (Part 17)	mg/lit	5	60	100
COD	1 6.	IS 302	5 (Part 58)	mg/lit	10	32	250
BOD		IS 302	5 (Part 44)	mg/lit	4	9	100
Residual Free Ch	nlorine	IS 302	5 (Part 26)	mg/lit	0.1	<0.1	1
Fluoride		APHA	4500-F-D	mg/lit	0.02	0.11	1.5
Nitrate Nitrogen		IS 302	5 (Part 34)	mg/lit	0.05	11.9	20
Phosphate		APHA	4500-P-C	mg/lit	1	4.3	5
Free Ammonical	Nitrogen	IS 302	5 (Part 34)	mg/lit	0.5	0.81	4
Ammonical Nitrog	gen	IS 302	5 (Part 34)	mg/lit	0.1	38.4	50
Arsenic		APH	A 3114-C	mg/lit	0.01	BDL	0.2
Cyanide	Cyanide APHA 4		4500-CN-E	mg/lit	0.01	BDL	0.2
Vanadium		APH,	A 3111-B	mg/lit	0.2	BDL	0.2
	al Chromium (as Cr) APHA 3111-		A 3111-B	mg/lit	0.01	BDL	2
Hexavalent Chroi	mium (Cr <sup>6+</sup> )	APHA	3500-Cr-B	mg/lit	0.1	BDL	0.1
Oil & Grease		APH,	A 5520-B	mg/lit	0.2	0.2	10
	her Address her Reference of Sampling 1.12.2020 Type : Container : ng Location : Definition pH Total Dissolved S Total Suspended COD BOD Residual Free Ch Fluoride Nitrate Nitrogen Phosphate Free Ammonical Ammonical Nitrog Arsenic Cyanide Vanadium Total Chromium of Hexavalent Chro	her Address : Taloja Pla her Reference : Work Ord of Sampling Sample Rece 1.12.2020 02.01.2 Type : Water container : Plastic can ng Location : Treated Efflue Test Parameter pH Total Dissolved Solids Total Suspended Solids COD BOD Residual Free Chlorine Fluoride Nitrate Nitrogen Phosphate Free Ammonical Nitrogen Ammonical Nitrogen Arsenic Cyanide Vanadium Total Chromium (as Cr) Hexavalent Chromium (Cr <sup>6+</sup> ) Oil & Grease	ner Address: Taloja Plant Plot K-1ner Reference: Work Order no. 4800of SamplingSample Received Date1.12.202002.01.2021Type: WaterContainer: Plastic canng Location: Treated Effluent (ETP)Test ParameterMpHIS 302Total Dissolved SolidsIS 302CODIS 302CODIS 302BODIS 302FluorideAPHANitrate NitrogenIS 302FluorideAPHAFree Ammonical NitrogenIS 302Ammonical NitrogenIS 302ArsenicAPHAVanadiumAPHATotal Chromium (as Cr)APHAOil & GreaseAPHAOil & GreaseAPHA	f Organization: M/s. Deepak Fertilisers And Petrner Address: Taloja Plant Plot K-1, MIDC Induner Reference: Work Order no. 4800055893, Datee of SamplingSample Received DateAnalysis1.12.202002.01.202102.0e Type: Water02.0e Container: Plastic canmg Locationng Location: Treated Effluent (ETP)Test ParameterMethodpHIS 3025 (Part 11)Total Dissolved SolidsIS 3025 (Part 16)Total Suspended SolidsIS 3025 (Part 58)BODIS 3025 (Part 44)Residual Free ChlorineIS 3025 (Part 26)FluorideAPHA 4500-F-DNitrate NitrogenIS 3025 (Part 34)PhosphateAPHA 4500-P-CFree Ammonical NitrogenIS 3025 (Part 34)ArsenicAPHA 3114-CCyanideAPHA 4500-CN-EVanadiumAPHA 3111-BTotal Chromium (as Cr)APHA 3500-Cr-BOil & GreaseAPHA 5520-B	f Organization: M/s. Deepak Fertilisers And Petrochemicals C randja Plant Plot K-1, MIDC Industrial Area, P ere Referenceiner Reference: Work Order no. 4800055893, Dated 24.07.20e of SamplingSample Received DateAnalysis Start Date1.12.202002.01.202102.01.2021e Container: Plastic can reated Effluent (ETP)Sample Quit Sample Quit Sample Quit ing Locationmg Location: Treated Effluent (ETP)Sample Quit Sample Quit ing Sample Quit ing Sample Quit ing LocationTotal Dissolved SolidsIS 3025 (Part 11)-Total Suspended SolidsIS 3025 (Part 16)mg/litBODIS 3025 (Part 17)mg/litBODIS 3025 (Part 26)mg/litBoDIS 3025 (Part 26)mg/litFluorideAPHA 4500-F-Dmg/litFree Ammonical NitrogenIS 3025 (Part 34)mg/litFree Ammonical NitrogenIS 3025 (Part 34)mg/litArsenicAPHA 4500-CN-Emg/litGyanideAPHA 4500-CN-Emg/litArsenicAPHA 3111-Bmg/litCyanideAPHA 3111-Bmg/litVanadiumAPHA 3111-Bmg/litTotal Chromium (as Cr)APHA 3500-Cr-Bmg/litOil & GreaseAPHA 3500-Cr-Bmg/lit	f Organization : M/s. Deepak Fertilisers And Petrochemicals Corporation Liminer Address: Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist.ner Reference: Work Order no. 4800055893, Dated 24.07.2019e of SamplingSample Received DateAnalysis Start DateAnalysis Corporation Liminer112.202002.01.202102.01.202105.01.202.01.202102.01.202105.01.205.01.2Type : WaterSample Quantity : 22org Location : Treated Effluent (ETP)Sample Code: NTest ParameterMethodUnitMDL*pHIS 3025 (Part 11)-0.5 - 13.5Total Dissolved SolidsIS 3025 (Part 16)mg/lit5CODIS 3025 (Part 7)mg/lit10BODIS 3025 (Part 7)mg/lit10BODIS 3025 (Part 26)mg/lit0.1FluorideAPHA 4500-F-Dmg/lit0.02Nitrate NitrogenIS 3025 (Part 34)mg/lit0.5PhosphateAPHA 4500-P-Cmg/lit0.1ArsenicAPHA 4500-P-Cmg/lit0.1ArsenicAPHA 3114-Cmg/lit0.01VanadiumAPHA 3111-Bmg/lit0.2Total Chromium (as Cr)APHA 3500-Cr-Bmg/lit0.1Oil & GreaseAPHA 550-Bmg/lit0.1	of Organization       : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.         ner Address       : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 4102         ner Reference       : Work Order no. 4800055893, Dated 24.07.2019         e of Sampling       Sample Received Date       Analysis Start Date       Analysis Complete Date         1.12.2020       02.01.2021       02.01.2021       05.01.2021       05.01.2021         e Type       : Water       Sample Quantity       : 2 Litres         ronal Location       : Treated Effluent (ETP)       Sample Code       : NIL/W/01/21/0         Test Parameter       Method       Unit       MDL*       Result         pH       IS 3025 (Part 11)       -       0.5 - 13.5       7.64         Total Dissolved Solids       IS 3025 (Part 16)       mg/lit       5       1488         Total Suspended Solids       IS 3025 (Part 26)       mg/lit       10       32         BOD       IS 3025 (Part 26)       mg/lit       0.1       <0.1

1. MDL – Method Detectible Limit.

2. BDL – Below Detectible Limit.

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5. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:

Sureina Jamdar Dy. Technical Manager

Issued by:

Kere

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN: U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.

Customer Name : M/s. Deepak	Fertilisers And Petroc	hemicals Corpo	ration Limited.	
Customer Address : Taloja Plant F	Plot K-1, MIDC Industr	ial Area, P.O. T	aloja Dist. Raigad 410	0208 Maharashtra
Customer Reference : Work Order r	the second se			
MoEFCC Validity : 16 October 202	4	NABL Validi	ty : 19 March 2	2022
Sample Type : Treated Waste	Water	Sampling Do	one By : Netel (India	a) Limited
Sample Packaging : Plastic Bottle			ntity : 2 Litres	,
Date of Sampling : 28.01.2021		Analysis Da		- 02.02.2021
Sample Received : 30.01.2021		Date of Repo	orting : 03.02.2021	
Sampling Location : Treated Effluen	t (ETP)	Sample Cod	e : NIL/W/01/2	21/164
Sr. No. Parameters	Result	Unit	Consent Limits	Method
1 pH	7.44	_	6.0 - 8.5	APHA 4500(H <sup>+</sup> )-B
2 Total Dissolved Solids	1298	mg/lit	2100	APHA 2350-C&D
3 Total Suspended Solids	63	mg/lit	100	IS 3025 (Part 17)
4 COD	79	mg/lit	250	APHA 5220-B
5 BOD	27	mg/lit	100	IS 3025 (Part 44)
6 Residual Free Chlorine	BDL	mg/lit	1	IS 3025 (Part 26)
7 Fluoride	0.2	mg/lit	1.5	APHA 4500(F)-D
8 Nitrate Nitrogen	3.8	mg/lit	20	APHA 4500(NO <sub>3</sub> )-B
9 Phosphate	3.9	mg/lit	5	APHA 4500(P)-C
10 Free Ammonical Nitrogen	0.83	mg/lit	4	IS 3025 (Part 34)
11 Ammonical Nitrogen	35.9	mg/lit	50	IS 3025 (Part 34)
12 Arsenic	BDL	mg/lit	0.2	APHA 3111-B
13 Cyanide	BDL	mg/lit	0.2	IS 3025 (Part 27)
14 Vanadium	BDL	mg/lit	0.2	APHA 3111-D
15 Total Chromium (as Cr)	BDL	mg/lit	2	APHA 3111-B
16 Hexavalent Chromium (Cr <sup>6+</sup> )	BDL	mg/lit	0.1	APHA 3500-C
17 Oil & Grease Note: 1. This Test Report shall not b	BDL	mg/lit	10	APHA 5520-B

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2. This Test Report refers only to the sample tested.

3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:

Surekha Jamdar

Dy. Technical Manager

Issued by: cere

Shraddha Kere **Technical Manager** 

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN: U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 · Website : www.netel-india.com · E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



# **Netel (India) Limited**

Custor	mer Name : M/s. Deepak Fertil		emicals Corpor	ation Limited.	
Custor	mer Address : Taloja Plant Plot K		1		)208 Maharashtra
	mer Reference : Work Order no. 48				
	CC Validity : 16 October 2024		NABL Validit	y : 19 March 2	022
	e Type : Treated Waste Wate	r		ne By : Netel (India	
	e Packaging : Plastic Bottle			ntity : 2 Litres	
	f Sampling : 26.02.2021		Analysis Dat		- 04.03.2021
	e Received : 01.03.2021		-	orting : 05.03.2021	
•	ing Location : Treated Effluent (ET	P)	Sample Code		
Sr. No.		Result	Unit	Consent Limits	Method
1	pH	7.49		6.0 - 8.5	APHA 4500(H <sup>+</sup> )-B
2	Total Dissolved Solids	1506	mg/lit	2100	APHA 2350-C&D
3	Total Suspended Solids	60	mg/lit	100	IS 3025 (Part 17)
4	COD	89	mg/lit	250	APHA 5220-B
5	BOD	27	mg/lit	100	IS 3025 (Part 44)
6	Residual Free Chlorine	BDL	mg/lit	1	IS 3025 (Part 26)
7	Fluoride	0.3	mg/lit	1.5	APHA 4500(F)-D
8	Nitrate Nitrogen	13.3	mg/lit	20	APHA 4500(NO <sub>3</sub> )-B
9	Phosphate	3.6	mg/lit	5	APHA 4500(P)-C
10	Free Ammonical Nitrogen	2.25	mg/lit	4	IS 3025 (Part 34)
11	Ammonical Nitrogen	43.6	mg/lit	50	IS 3025 (Part 34)
12	Arsenic	BDL	mg/lit	0.2	APHA 3111-B
13	Cyanide	BDL	mg/lit	0.2	IS 3025 (Part 27)
14	Vanadium	BDL	mg/lit	0.2	APHA 3111-D
15	Total Chromium (as Cr)	BDL	mg/lit	2	APHA 3111-B
16	Hexavalent Chromium (Cr6+)	BDL	mg/lit	0.1	APHA 3500-C
17	Oil & Grease : 1. This Test Report shall not be rep	0.3	mg/lit	10	APHA 5520-B

# **TEST REPORT**

2. This Test Report refers only to the sample tested.

Tel.: 72080976 92 / 93 / 94 / 95

3. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:

Surekha Jamdar

Dy. Technical Manager

Issued by: nicuo Shraddha Kere

**Technical Manager** 

\*\*\*End of Report\*\*\*

A Neterwala Group Company

W-408, Rabale MIDC, TTC Industrial Area, NAVI MUMBAI - 400 701. INDIA.

E-mail : sales@netel-india.com Website : www.netel-india.com CIN: U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





# **Netel (India) Limited**

Custon	ner Name : M/s. Deepak Ferti		emicals Corpora	ation Limited.	
Custon	ner Address : Taloja Plant Plot k				0208 Maharashtra
Custon	ner Reference : Work Order no. 48			i i ja 2 ion i naigute i i	
	C Validity : 16 October 2024		NABL Validit	y : 19 March 2	2022
Sample	• Type : Treated Waste Wate	er	Sampling Do	ne By: Netel (India	a) Limited
	Packaging : Plastic Bottle			ntity : 2 Litres	
	Sampling : 11.03.2021		Analysis Date		1 — 16.03.2021
	Received : 13.03.2021		-	rting : 17.03.2021	
Sampli	ng Location : Treated Effluent (ET	P)	Sample Code	•	
Sr. No.	Parameters	Result	Unit	Consent Limits	Method
1	рН	7.83	-	6.0 - 8.5	APHA 4500(H <sup>+</sup> )-B
2	Total Dissolved Solids	1579	mg/lit	2100	APHA 2350-C&D
3	Total Suspended Solids	63	mg/lit	100	IS 3025 (Part 17)
4	COD	56	mg/lit	250	APHA 5220-B
5	BOD	31	mg/lit	100	IS 3025 (Part 44)
6	Residual Free Chlorine	BDL	mg/lit	1	IS 3025 (Part 26)
7	Fluoride	0.4	mg/lit	1.5	APHA 4500(F)-D
8	Nitrate Nitrogen	10.7	mg/lit	20	APHA 4500(NO <sub>3</sub> )-B
9	Phosphate	4.7	mg/lit	5	APHA 4500(P)-C
10	Free Ammonical Nitrogen	2.98	mg/lit	4	IS 3025 (Part 34)
11	Ammonical Nitrogen	41	mg/lit	50	IS 3025 (Part 34)
12	Arsenic	BDL	mg/lit	0.2	APHA 3111-B
13	Cyanide	BDL	mg/lit	0.2	IS 3025 (Part 27)
14	Vanadium	BDL	mg/lit	0.2	APHA 3111-D
15	Total Chromium (as Cr)	BDL	mg/lit	2	APHA 3111-B
16	Hexavalent Chromium (Cr6+)	BDL	mg/lit	0.1	APHA 3500-C
17	Oil & Grease 1. This Test Report shall not be rep	0.4	mg/lit	10	APHA 5520-B

# **TEST REPORT**

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Verified by:

Surekha Jamdar

Dy. Technical Manager

Issued by:

Jare Shraddha Kere **Technical Manager** 

\*\*\*End of Report\*\*\*

A Neterwala Group Company

W-408, Rabale MIDC, Tel.: 72080976 92 / 93 / 94 / 95 TTC Industrial Area. NAVI MUMBAI - 400 701. INDIA.

E-mail : sales@netel-india.com Website : www.netel-india.com CIN: U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61



# Annexure 3: Ambient Noise Monitoring Reports

Name of Org	anization : M/s. Deepak Fertilisers And P	etrochemicals Corpo	pration Limited.		
Address	: Taloja Plant Plot K-1, MIDC In	dustrial Area, P.O.	Taloja Dist. Raig	ad 410208 Maha	arashtra
Customers F	Reference : Work Order no. 4800055893,	Dated 24.07.2019			
nstrument M	Iodel : Lutron SL-4033-SD (Class 1)	Instrument Ser	ial No.: Q6407	80	
Date of Sam	pling : 14.10.2020	Date of Calibra	tion : 26.02.2	2020	
Date of Repo	orting : 16.10.2020	Next Calibratio	n Due: 25.02.2	2021	
			Leq (d	IBA)	
Sr. No.	Location	Day	MPCB Limit	Night	MPCB Limit
1	Main Gate	67.6	75	68.1	70
2	NPK Gate No. 4	53.5	75	51.9	70
3	NPK Raw Material Storage Area	69.9	75	68.2	70
4	NPK Production Unit	59.4	75	58.8	70
5	Near IPA Gate	66.1	75	66.1	70
6	Near CFB Cooling Tower	73.0	75	69.2	70
7	Ammonia Unloading	61.6	75	59.9	70
8	K-6 Plot (Near Main Gate)	67.4	75	65.9	70

# **TEST REPORT**

Note :

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3. The Complaint Register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:

Surekha Jamdar Dy. Technical Manager Issued by:

Cere

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN: U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.



anization : M/s. Deepak Fertilisers And P	etrochemicals Corpo	pration Limited.		
: Taloja Plant Plot K-1, MIDC In	dustrial Area, P.O.	Γaloja Dist. Raig	ad 410208 Maha	arashtra
Reference : Work Order no. 4800055893,	Dated 24.07.2019			
Model : Lutron SL-4033-SD (Class 1)	Instrument Ser	ial No.: Q6407	92	
pling : 26.11.2020	Date of Calibrat	tion : 26.02.2	2020	
orting : 30.11.2020	Next Calibration	n Due: 25.02.2	2021	
		Leq (c	IBA)	
Location	Day	MPCB Limit	Night	MPCB Limit
Main Gate	66.4	75	65.6	70
NPK Gate No. 4	55.6	75	54.3	70
NPK Raw Material Storage Area	67.5	75	65.7	70
NPK Production Unit	53.5	75	54.0	70
Near IPA Gate	63.6	75	63.1	70
Near CFB Cooling Tower	73.3	75	68.2	70
Ammonia Unloading	61.2	75	60.9	70
K-6 Plot (Near Main Gate)	68.8	75	68.2	70
	: Taloja Plant Plot K-1, MIDC In Reference : Work Order no. 4800055893, Model : Lutron SL-4033-SD (Class 1) pling : 26.11.2020 Derting : 30.11.2020 Location Main Gate NPK Gate No. 4 NPK Raw Material Storage Area NPK Production Unit Near IPA Gate Near CFB Cooling Tower Ammonia Unloading	: Taloja Plant Plot K-1, MIDC Industrial Area, P.O. T Reference : Work Order no. 4800055893, Dated 24.07.2019 Model : Lutron SL-4033-SD (Class 1) Instrument Series pling : 26.11.2020 Date of Calibration porting : 30.11.2020 Next Calibration Day Main Gate Calibration Day Main Gate 66.4 NPK Gate No. 4 NPK Gate No. 4 NPK Raw Material Storage Area 67.5 NPK Production Unit 53.5 Near IPA Gate 63.6 Near CFB Cooling Tower 73.3 Ammonia Unloading 61.2	: Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raig Reference : Work Order no. 4800055893, Dated 24.07.2019 Model : Lutron SL-4033-SD (Class 1) Instrument Serial No. : Q6407 pling : 26.11.2020 Date of Calibration : 26.02.2 prting : 30.11.2020 Next Calibration Due : 25.02.2 Date of Calibration Due : 25.02.2 Date of Calibration Due : 25.02.2 Next Calibration Due : 25.02.2 Main Gate 66.4 75 NPK Gate No. 4 55.6 75 NPK Raw Material Storage Area 67.5 75 NPK Production Unit 53.5 75 Near IPA Gate 63.6 75 Near CFB Cooling Tower 73.3 75 Ammonia Unloading 61.2 75	: Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maha         Reference : Work Order no. 4800055893, Dated 24.07.2019         Model : Lutron SL-4033-SD (Class 1)       Instrument Serial No. : Q640792         pling : 26.11.2020       Date of Calibration : 26.02.2020         orting : 30.11.2020       Next Calibration Due : 25.02.2021         Location       MPCB Limit       Night         Main Gate       66.4       75       65.6         NPK Gate No. 4       55.6       75       54.3         NPK Raw Material Storage Area       67.5       75       65.7         NPK Production Unit       53.5       75       54.0         Near IPA Gate       63.6       75       63.1         Near CFB Cooling Tower       73.3       75       68.2         Armonia Unloading       61.2       75       60.9

# NOISE LEVEL MONITORING REPORT

Note :

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\*\*\*End of Report\*\*\*

Verified by:

Surekha Jamdar Dy. Technical Manager Issued by:

Cele

Shraddha Kere Technical Manager

A Neterwala Group Company

CIN: U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.

A MoEFCC Recognised & NABL Accredited Laboratory

Name of Org	anization : M/s. Deepak Fertilisers And F	etrochemicals Corpo	pration Limited.					
Address								
Customers F	Reference : Work Order no. 4800055893,	Dated 24.07.2019						
Instrument N	Iodel : Lutron SL-4033-SD (Class 1)	Instrument Seri	ial No.: Q6407	92				
Date of Sam	pling : 30.12.2020	Date of Calibrat	tion : 26.02.2	2020				
Date of Repo	orting : 02.01.2021	Next Calibration	n Due: 25.02.2	2021				
Notice and			Leq (d	dBA)				
Sr. No.	Location	Day	MPCB Limit	Night	MPCB Limit			
1	Main Gate	66.7	75	65.6	70			
2	NPK Gate No. 4	54.8	75	53.7	70			
3	NPK Raw Material Storage Area	69.8	75	68.8	70			
4	NPK Production Unit	61.1	75	61.1	70			
5	Near IPA Gate	63.4	75	63.3	70			
6	Near CFB Cooling Tower	71.7	75	69.6	70			
7	Ammonia Unloading	57.8	75	56.8	70			
8	K-6 Plot (Near Main Gate)	69.1	75	67.9	70			
Mate .								

# NOISE LEVEL MONITORING REPORT

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Verified by:

Surekha Jamdar Dy. Technical Manager Evere

Issued by:

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN: U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.

A MoEFCC Recognised & NABL Accredited Laboratory



Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Customer Address : Taloja Plant Plot K-1, MIDC Industrial Area, P.O. Taloja Dist. Raigad 410208 Maharashtra						
Customer R	eference: Work Order no. 4800055893, Date	ed 24.07.2019				
Instrument I	Model : Lutron SL-4033-SD (Class 1)	Instrument Ser	ial No.: Q6407	92		
Date of Sam	pling : 30.01.2021	Date of Calibra	tion : 26.02.2	2020		
Date of Rep	orting : 02.02.2021	Next Calibratio	n Due: 25.02.2	2021		
			Leq (d	IBA)		
Sr. No.	Location	Day	MPCB Limit	Night	MPCB Limit	
1	Main Gate	67.9	75	66.4	70	
2	NPK Gate No. 4	55.4	75	54.0	70	
3	NPK Raw Material Storage Area	69.6	75	68.7	70	
4	NPK Production Unit	57.9	75	56.3	70	
5	Near IPA Gate	62.9	75	62.3	70	
6	Near CFB Cooling Tower	69.7	75	68.8	70	
7	7 Ammonia Unloading		75	61.1	70	
8	K-6 Plot (Near Main Gate)	71.4	75	70.0	70	

# NOISE LEVEL MONITORING REPORT

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Verified by:

Surekha Jamdar

Dy. Technical Manager

Issued by:

Cole

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

CIN: U74999MH2003PLC142228

Office & Laboratory : W-408, Rabale MIDC, TTC Industrial Area, Navi Mumbai - 400 701. Phone : 72080976 92 / 93 / 94 / 95 • Website : www.netel-india.com • E-mail : ems@netel-india.com Registered office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020.

A MoEFCC Recognised & NABL Accredited Laboratory



**Netel (India) Limited** 

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.							
Customer Ad	Idress : Taloja Plant Plot K-1, MIDC Industr	rial Area, P.O. Taloja	a Dist. Raigad 4	410208 Maharasl	ntra		
Customer Re	ference: Work Order no. 4800055893, Date	d 24.07.2019					
Instrument M	odel : Lutron SL-4033-SD (Class 1)	Instrument Seri	al No.: Q6407	774			
Date of Samp	oling : 25.02.2021	Date of Calibrat	ion : 25.09.	2020			
Date of Repo	rting : 01.03.2021	Next Calibration	<b>Due</b> : 24.09.	2021			
			Leq (	dBA)			
Sr. No.	Location	Day	MPCB Limit	Night	MPCB Limit		
1	Main Gate	68.8	75	67.8	70		
2	NPK Gate No. 4	52.9	75	51.6	70		
3	NPK Raw Material Storage Area	70.2	75	68.5	70		
4	NPK Production Unit	58.4	75	57.0	70		
5	Near IPA Gate	66.5	75	65.0	70		
6	Near CFB Cooling Tower	70.7	75	68.3	70		
7	Ammonia Unloading	58.9	75	57.1	70		
8	K-6 Plot (Near Main Gate)	72.1	75	66.5	70		

# NOISE LEVEL MONITORING REPORT

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\*\*\*End of Report\*\*\*

Verified by:

Surekha Jamdar Dy. Technical Manager

Issued by:

Shraddha Kere

Technical Manager

A Neterwala Group Company

W-408, Rabale MIDC, TTC Industrial Area, NAVI MUMBAI - 400 701. INDIA.

DC, Tel. : 72080976 92 / 93 / 94 / 95 n, 0 701. E-mail : sales@netel-india.com Website : www.netel-india.com CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61





**Netel (India) Limited** 

Customer Name : M/s. Deepak Fertilisers And Petrochemicals Corporation Limited.						
Customer Ad	Idress : Taloja Plant Plot K-1, MIDC Industria	al Area, P.O. Taloja	Dist. Raigad	410208 Maharash	tra	
Customer Re	ference: Work Order no. 4800055893, Dated	24.07.2019				
Instrument M	lodel : Lutron SL-4033-SD (Class 1)	Instrument Seria	I No.: Q640	774		
Date of Samp	oling : 11.03.2021	Date of Calibratio	on : 25.09	.2020		
Date of Repo	rting : 15.03.2021	Next Calibration	Due: 24.09	.2021		
			Leq (	dBA)		
Sr. No.	Location	Day	MPCB Limit	Night	MPCB Limit	
1	Main Gate	66.1	75	65.0	70	
2	NPK Gate No. 4	52.9	75	53.3	70	
3	NPK Raw Material Storage Area	67.4	75	67.0	70	
4	NPK Production Unit	61.7	75	60.0	70	
5	Near IPA Gate	62.7	75	61.8	70	
6	Near CFB Cooling Tower	67.1	75	63.2	70	
7	Ammonia Unloading	60.4	75	58.6	70	
8	K-6 Plot (Near Main Gate)	68.6	75	67.2	70	

# NOISE LEVEL MONITORING REPORT

Note :

1. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.

2. This Test Report refers only to the sample tested.

Tel. : 72080976 92 / 93 / 94 / 95

3. The Complaint Register is available with the Laboratory as per Environment Protection Act, 1986.

Verified by:

Surekha Jamdar Dy. Technical Manager Issued by:

ere

Shraddha Kere Technical Manager

\*\*\*End of Report\*\*\*

A Neterwala Group Company

W-408, Rabale MIDC, TTC Industrial Area, NAVI MUMBAI - 400 701. INDIA. E-mail : sales@netel-india.com Website : www.netel-india.com CIN : U74999MH2003PLC142228



Regd. office : Liberty Building, 3rd Floor, Sir Vithaldas Thackersey Marg, (New Marine Lines), Mumbai - 400 020. Tel. : 22066231 / 61



# **Annexure 4: CSR Report**



# Deepak Fertilizers and Petrochemicals Corporation Ltd, Taloja CSR Report 2020-21 Yearly (Up to March 2021)

# VISION

To act as an effective catalyst in Deepak Fertilisers And Petrochemicals Corporation Limited (DFPCL) geographies of operations in creating a self-reliant and respectable society with secure and sustained means to livelihood, through employable skills and resource support and additionally to promote and support the rich cultural heritage of India.

# MISSION

The mission for the identified society at large, in geographies of DFPCL's operations and influence, shall be:

- To identify the potential of and gaps in the economic and social support systems, so as to help develop a sustained, self-reliant society with special emphasis on the youth, women & marginal farmers
- ➤ To undertake vocational skill and soft skill development initiatives enabling sustained and respectable employment opportunities for leading a self-reliant life
- To facilitate income generation programs of individuals / groups through alignment of skill development with self-employment opportunities
- > To provide marketing and financial support to help enhance sustained income generation initiatives
- To generate community development activities and promote self-help groups so as to improve the living conditions of people through peoples' initiatives
- To initiate activities and develop government / institutional linkages in community preventive / corrective health facilities where needed
- > To undertake farmer skill building, soil / nutrient / agri-inputs / produce enhancement initiatives
- To support performing arts among local communities for promotion of talent & cultural richness of the society
- > To provide a much-needed crisis support for unexpected calamities and disasters
- To co-ordinate / conduct any other CSR initiatives which are consistent with the provisions of Section 135 of the Companies Act, 2013 or other provisions as may be prescribed by the government from time to time.

# **Introduction:**

As a true corporate citizen, DFPCL is committed to social thought and action and is resolute in its dedication to serve the society they live in. The Company has been engaged in community work through **Ishanya Foundation** at Taloja and Pune in Maharashtra.

The CSR Arm of Deepak Fertilisers and Petrochemicals Corporation Limited, Pune (DFPCL), Ishanya Foundation (ISFON) is a registered NGO under the provision of the Bombay Public Trust Act 1950.

DFPCL has always considered its surrounding communities as an important group of stakeholders in its business and is committed to contribute towards improving their quality of life through various measures. Projects being implemented in **47 villages and 19 hamlets in and around Taloja MIDC and urban area of Pune**.

Nearly 21371 families served in urban, rural and tribal areas through various initiatives by the end of financial year 2021.

Sr. No	Name of Project	Major Activity	No. of Families Benefited
1	Wadi & Health	Wadi, Veg., WRD	0419
3	Dairy Development	Livestock & Artificial Insemination	0283
4	Arogyam Mobile Clinic, Cataract Surgery, Health Awareness Camp, Pathology Service, Masks, Donation Ambulance and PPE Kit, Support for Free medicine to the patients.		18670
	Community Development and Social Welfare	Drinking Water Scheme	250
5	Vocational Skill Development	Professional Beautician Practice & Art of Mehendi, Certificate Course in Information Technology with Typing & Spoken English, Tailoring; BSc. Optometry, PB BSc Nursing, BSc. Nursing, Plumbing, Para Medical Course- Diploma In Medical Laboratory Technician; direct placement	134
6	LEED	Entrepreneurship Development, Yellow Ribbon NGO Fair, Muskaan, Income Generation Program	1515
7	Gyanam	Scholl Infrastructure and human Resource	100
	Total		21371

DFPCL is implementing need-based activities in more than 50 hamlets and villages of New Panvel and urban area of Pune. Under CSR initiatives projects and activities are being implemented:

## Wadi Development

•1) Horticulture Plantation (Mango), 2) Promotion of Vegetables crops, 3) Promotion of Floriculture, 4) Health, 5) Farmers Capacity Building

# Dairy Development

•1) Cattle Induction 2) Door-step health services for cattle 3) Artificial Insemination 4) Fodder Development 5) Vaccination 6) Farmers Capacity Building

### Vocational Training

• Diploma in opthomatry and Tailoring

## LEED

•Entrepreneurship Development.

### Health and Education

•1) Mobile Clinic, 2) Health check-up camp, 3) Eye camp, 4) Kitchen Garden, 5) Donation of Ambulance and PPT kit to Health department of Govt. Of Maharashtra

# Wadi Project

The overall objective of the project is to improve the standard and quality of living of the poor rural families through a holistic and enabling project approach. This can be achieved by helping the tribal and other families

to develop productive assets such as a 'Wadi' (integrated farming system comprising of horticulture, agriculture) to enable them to earn substantial and sustainable livelihood over a long-term period. Simultaneously, there is need for a thrust to tackle the root causes of poor health and improve the quality of living, particularly of women.

The proposed project thus primarily aims at the following:

- To provide secondary sustainable source of income
  - To increase the asset base of the tribals & other
- To empower of women through economic and social development
- To improve the health status of the community
- To improve environment through carbon fixation

# **Project Activities:**

Under wadi livelihood project each participant family takes up intensive land development and plantation work on half acre (0.2 ha) of wasteland or marginal land, to convert this into a productive forestry plantation and orchard (WADI).

# **Objectives are highlighted below:**

- Mobilisation of community through project promotional meetings and exposure.
- Selection of beneficiaries and land
- Plantation of fruit and forestry trees.
- Development of eroded wasteland through soil and water conservation.
- Water resource development and water conveyance
- Cultivation of suitable improved intercrops both for food and for cash incomes wherever possible during the initial stage
- > Capacity building of staff and beneficiaries
- Development of Model Plots: The objective of these demonstration / model plots will be to create awareness in farmers about cost effective farming techniques, new introduction of crops, diversified farming techniques etc.
- Community Health Activities:
  - Eye Check-up Camps and Cataract Operation
  - Seasonal and perennial Kitchen Garden
  - General Health Check-up camps for Women and children
- Women Empowerment:
  - Training to existing women's groups
  - Wadi on women's name
  - Exposure



Mango Cultivation

# **Major Achievements:**

Total no. of Mangoes Planted	: 12,330
Survival Rate	: 78.20 %
Acres	: 206
Families covered	: 409 wadi + 10 WRD support = 419
Villages & hamlets covered	: 18
Total income from vegetable sales	: ₹ 102 Lakh
Number of farmers cultivating vegetables	
on their own	: 384
Nursery developed	: Mango - 06 (2,656 grafts) + Jasmine - 01 (2,347 saplings)
	+ Vegetable Seedlings - 06 (10,858 nos.)
Demonstration of new plots	: 29 (Turmeric - 03; Capsicum - 01; Okra - 05;
	Cherry Tomato - 04; Rose plantation - 04; Jasmine - 05;
	Papaya - 03; Marigold - 04)
Aspirants meetings	: 85

# Wadi Project

**Success Stories** 

### Name of Aspirant:

Mrs. Suman Goma Bhagat & Mr. Goma Shanivar Bhagat

Village: Wangani, Taluka: Panvel, District: Raigad

### Family Profile:

Mrs. Suman and Goma have two sons, Ramesh (28 yrs) and Mahesh (24 yrs) and both work on temporary basis at Taloja MIDC. Their son-inlaw's five children are enrolled in the school. Goma is a marginal land holder and agriculture is the main source of income for the family.



# Vegetable FarmingCrop: CucumberCultivated Area @R: 15Yield (kgs.): 1,980Home Consumption Qty (kgs.): 60Sold Qty (kgs.): 1,920Average Rate (\*): 24.74Total Income (\*): 47,500

# **Success Stories**

### Name of Aspirant:

Mrs. Maee & Mr. Krishna Manglya Nirguda

Village: Bhalyachiwadi, Taluka: Panvel, District: Raigad

### Family Profile:

Maee and Krishna have two sons who are studying in 2nd and 1st standard. Agriculture is their main source of income. After wadi intervention, he took training of mango grafting and started nursery with the support of Ishanya Foundation. Now Krishna is preparing graft and selling in the local market. He learnt an additional skills which has become a new source of income.

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Grafts Prepared	: 875
Sold Qty (nos.)	: 700
Average Rate of Graft	: 23
Total Income (₹)	: 16,100



# **Dairy Development Project (DDP)**

Dairy is an important subsidiary source of income for small/marginal and agricultural labourers in rural area. The manure from animals provides good source of organic matter to improve soil fertility and crop yield. The surplus fodder and agricultural by products are gainfully utilized for feeding the animals. Since agriculture is mostly seasonal, there is possibility of finding employment throughout year for many women through dairy farming. Thus, dairy also provides employment throughout the year. The main beneficiaries of project are small/marginal farmers and landless labours. The aspirant can earn a gross surplus of about 35000 per year from a unit

# **Major Achievements:**

Total milk produced	: 4,35,010 lit
Milk consumed at home	: 94,525 lit
Milk consumed by calf	: 61,760 lit
Milk sold in the market	: 2,78,725 lit
Additional Income through sale of milk	: ₹ 1,04,31,150/-
Cow Dung Produced	: 95.61 MT
Artificial Insemination + Sorted Semen Al-(	06 : 763
Pregnancy Diagnosis (PD)	: 710 (Confirm Pregnancy Diagnosis - 234,
(Jan-20 to Dec-20)	Empty - 63; Repeat - 318 & Pending - 95 = 710)
	CP Rate - 45.80%
Calving	: 250 (Male - 147, Female - 103)

# **Fodder Development & Vermicompost**

# **Fodder Development**

Green fodder is a cost-efficient initiative for the farmer's livestock. However, its availability is in short supply. With the limited land under fodder cultivation there is a need to focus to improve productivity of fodder crops. To increase the profit of the dairy enterprise, IsFon supported for cultivation of Azolla, Maize and Napier grass.





# Vermicompost

Vermicomposting is basically a managed process of worms digesting organic matter i.e. cowdung and agricultural waste to transform the material into a beneficial soil amendment. The worm castings are very important to the fertility of the soil. As a value addition to the dairy enterprise, IsFon took the initiative to develop Vermicompost beds in villages around Taloja.

# Name of Aspirant:

Mrs. Taibai Kashinath Kambale & Mr. Kashinath Parshuram Kambale

Village: Vakdi, Taluka: Panvel, District: Raigad

# Family Profile:

Taibai and Kashinath have 2 daughters who are both married. Kashinath is a landless farmer. Before intervention, both Taibai and Kashinath worked as agriculture labourers in the village and faced difficulties to get regular work and Income. After support from IsFon, the family is getting regular income from their diary business.

# Support Given

: 01 cross breed cow, Medicine Kit, Training, Exposure

Average Milk per Day : 11Rate of Milk: ₹ 5Income per Day: 55

: ₹ 50/Lit : 550 (₹ 16,500/month)



# **Vocational Skills Development Project** (VSDP)

Skill enhancement through various training programs such as Tailoring courses and Optometry courses were initiated by IsFon. These activities created a positive impact on the aspirants, by providing them financial stability and inclusivity within the community.

TAILORING COURSE

SPONSORSHIP OF FEES BY ISFON FOR B.Sc OPTOMETRY AT LAXMI COLLEGE OF OPTOMETRY



4

Tailoring course being conducted by Ms. Anita Pawar from IsFon



Sr. No.	Description	Beneficiaries Covered
1.	Professional Beautician course & Art of Mehendi with Spoken English	20
2.	Certificate Course in Information Technology	31
3.	Post Basic B.Sc Nursing with Symbiosis College of Nursing	09
4.	B.Sc Nursing with St. Andrew's College of Nursing	01
5.	Diploma in Laboratory Technician Course with Suburban College of Nursing	01
6.	Basic Plumbing Course with Dnyanada Institute of Piping Flow Technology	21
7.	Soft Skills, Mock Interview and Typing facilitated by IsFon	17
	Total	100

# **Success Stories**



# Mr. Abhijit Shinde, BE (Mech) - Earning ₹ 32,575/- pm

Abhijit aged 23 years stays at Yerwada in Pune. His mother is associated with IsFon's IGP initiative and is the only earning member. After completing his X<sup>th</sup>, Abhijit joined for a Diploma in Mech. Engg. course and passed with flying colours. He wanted to do his BE but could not afford it and had decided to give up further studying and take up a job to support his family which was equally important.

IsFon suggested to him to apply for BE and he got admission at Trinity College of Engineering on merit. IsFon sponsored his fees and now after completing BE (Mech) he is employed at Eaton India Innovation Centre with a salary of ₹ 32,575/- pm.



# Ms. Gauri Potdar, CCIT - Earning ₹ 11,500/- pm

Gauri stays at Dhanori, Pune and completed the 'Certificate Course in Information Technology'(CCIT) with spoken English from IsFon. The CCIT course from IsFon helped Gauri to fetch a job at Teleperformance Pvt. Ltd. Pune, as a Call Operator.

Her father is a rickshaw driver and earns Rs 6,000 pm. Gauri, with her salary of  $\gtrless$  11,500/- pm is now able to support her family and is very proud of that fact.

# Livelihood Enhancement through Entrepreneurship Development (LEED)

LEED provides entrepreneurship opportunities and facilitates livelihood through secondary income generation for financially challenged women.

# Income Generation Project (IGP)

- Women who already have the basic stitching skills using a sewing machine are trained to make various gifting products.
- These products are designed by our in-house team and perfected after several samples are made by professional tailors.
- After a thorough quality control check the beneficiaries are trained to make them.
- This new enhanced skill set supplements their livelihood.

# **IGP HIGHLIGHTS:**

Products made available at BHARATRATH STORE MAITRI SHOP DAILY FRESH

Products at online platform: creaticityonline.com

11,000 masks were stitched during the Covid Pandemic making the women financially independent which was also the need of the hour.

₹ 4,51,931

SALE OF PRODUCTS



Products made under the IGP Project



Women associated with the IGP program undergoing skill enhancement training at Anubhuti Foundation

₹ 1,96,156 INCOME GENERATION BY LADIES

# **Success Stories**

Name of Aspirant:	
Mrs. Devshree Virpal F	Ridhlan
Support of Course: Ba	chelor of Optometry
Sponsored Amount: ₹	1,64,000/-

Devshree is living in a slum area of Vashi. Earlier her father and mother were working in society as security and housekeeping staff respectively. The family could not afford the fees of optometry for Devshree. She applied for sponsorship and after screening we supported her with 80% fees of college for three years. After her father's death all the responsibility fell on her elder brother and mother. After completion of the course she worked at Laxmi Eye Hospital and is now working with Lenskart Pvt. Ltd., in Thane. She is earning ₹ 28,000 /per month.



Devshree says "I am very thankful to the Ishanya Foundation for helping me. Now I am financially independent and also supporting my family."

# Aarogyam

DFPCL is consistently working for improvement of health by providing doorstep health services through health check-up camp. During outbreak of COVID-19 DFPCL has been donated 4 ambulance and 2500 nos. PPE kit to Health Department of Govt. of Maharashtra. Also provided 2100 lit hand sanitizer to the various government offices.



Health Awareness Program - 01 (68 women benefitted)

# **Type of Service Provided through Mobile Clinic:**

- a. Mobile Medical Units will help mobilise healthcare to conduct screenings, basic diagnosis and provide awareness and medication.
- b. Mobile Medical Unit shall be equipped with a doctor and a nurse who were trained to recognise symptoms of health-related ailments, conduct basic diagnosis of common diseases, prescribe medication and referrals to specialised clinics in case of further medical complications.
- c. Mobile healthcare services are able to cover Two to Three villages/locations in a single day.
- d. The services provided would of necessity be preventive and promotive and outpatient curative care. Where there are cases needing acute medical care on the day the Mobile clinic reaches the site, such care would be provided, and patient referral organized.



Mobile Clinic - 8,873 patients benefitted.



# Activities Carried Out During Pandemic



Donation of four ambulances to Brihanmumbai Municipal Corporation during Pandemic



Donation of 2,500 PPE Kits to Haffkine Institute, Mumbai



Distribution of masks in marginalised community of Pune & Taloja - 2,535 beneficiaries

# **Community Development & Social Welfare (CDSW)**

Under this initiative by IsFon, community members come together to resolve common problems by taking collective action. The aim of this initiative is to bring about community development through collective actions of the members of the community by acting as an active catalyst so as to overcome economic, social and environmental difficulties.

To resolve the problem of scarcity of portable water at Kanpoli village (Taloja), IsFon has installed water lifting / conveyance equipments and built elevated storage tank of 25,000 litres capacity with 4 water distribution points, benefitting 250 families.



# **Press Clippings**

# LOKSATTA

# दीपक फर्टिलायजर्सची पालिकेला रुग्णवाहिका. पीपीई संचांची मदत

मंबई : औद्योगिक रसायने आणि खतनिर्मिती कंपनी दीपक फर्टिलावज्ञर्स औड पेट्रोकेमिकल्स कॉर्पोरेशन लिमिटेड (डीएफपीसीएल) आणि तिची सीएसआर शाखा ईशान्य फाऊंडेशनने करोनाविरोधातील लढ्याला मदतीचा ओघ कायम ठेवला आहे. आरोग्य क्षेत्रातील कर्मचाऱ्यांसाठी कंपनीने राज्य सरकारला २,५०० पीपीई संच दिले, तर बहन्मंबई महापालिकेला चार रुग्णवाहिका दिल्या आहेत. यशिवाय मुख्यमंत्री कार्यालय आणि इतर सरकारी संस्थांना एक हजार लिटरहून अधिक हैंड सॅनिटायझर्सचे वाटप केले आहे. कंपनीच्या कर्मचाऱ्यांनी स्वतःहन पुढे वेऊन ३८.७० लाख रुपयांची मदत मुख्यमंत्री निधीला केली आहे. इंशान्य फाऊंडेशनच्या मोबाइल बिलनिकने टाळेबंदी काळात विविध आजाराच्या एकण ९,०५८ रुग्णांवर उपचार केले. ज्यात रायगड जिल्ह्यातील तळोजा परिसरातील ४० गावांतील ३,०७३ रुग्णांचा समावेश आहे.

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## INDIAN EXPRESS



### RAMPRAHAR





# NAV RASTRA सत राष्ट्र 'ईशान्य फाऊंडेशन'ची कोरोना लढ्यात मदत समाधन साहने आणि सान अधिने कंपनी होएक अधिने कंपनी होएक a wifter लान्यचा ऊढेशनने mitter

ইয়াতা কৰিছে ১২ বিটমানীক লত্বক আমানীকা মনাগৰ্কাণ নহয় কৰে আঁ এমালা হাজা কমিলাকাৰ্য্যটা কান্দৰি পুৰু মনোৱাল ২,১০০ ফ্ৰিমিটিয়ে বিঠ মুলমুৰু যালাকিলা ২ অক্তম কিলা, বাহিলা মুলমানী কৰে আৰম্ভিক হা মেলাৰ কিৰ্মান হ ভাল নিৰ্ভাৱন প্ৰথ আৰম্ভিকি মেলাকাৰ্য্য ( মালাকি হা জাল নিৰ্ভাৱন মুভ মন্দ্ৰ মাৰ্চ হা হিচামিটিকেম্ব কৰায়খনী কৰাছন মুহ বলৈ ২৫ জন কাৰা প্ৰথম প্ৰথমকা বিজ নিৰ্ভাৱন মুহ বলৈ ২৫ জন কাৰা কলামানত বিধানপাল বিজনিবাহেলো নিৰ্বাচনটা নামালক কলা কলামানত বিধানপাল বিজনিবাহেলো নিৰ্বাচনটা নামালক কলা the mer

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# **Times of India** Festive exhibitions go online to avoid mass gatherings



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# PUNYANAGARI दीपक फर्टिलायझर्सकडून २५०० पीपीई, ४ ॲम्ब्युलन्स

। नवी दिल्ली । दीपक फर्टिलायद्वसं आणि पेट्रोफेमिकल्स कॉपेरिशन कंपनीने सोमवारी दिलेल्या माहितीनुसार, महाराष्टातील आरोग्य कर्मचाऱ्यांसाठी २५०० वैयवितक सुरक्षा उपकरण किट (पीपीई ) देणगीदाखल दिले आहेत. कंपनीने सोशल कॉपेरिट रिस्मॅन्सिबिलीटी ( सीएसआर ) अंतर्गत ऑपरेटिंग एजन्सी ईशान्य फाऊंडेशनच्या माध्यमातून मंबई महानगरपालिकेला ४ ॲम्ब्यूलन्स आणि १०००

लिटरपेक्षा अधिक उरसोप्रोपिल अल्कोहोल ( अइवपीए) आधारित हैंडसॅनिटाव्यस महाराष्ट्राचे मुख्यमंत्री कार्यालय आणि अन्य सरकारी संस्थांसाठी दिले आहे. एका नियामकीय सुचनेनुसार दीपक फॉर्टलायझरने माटले आहे की, कंपनीच्या कर्मचाऱ्यांनी देखील रवेच्छेने महराष्ट्राच्या मुख्यमंत्री यहाय्वता निधीमाठी ३८.७० लाख रुपचे चोनदान दिले आहे. याशिवाय कंपनीने महामारीदरम्यान पुणे गॅरीसन आणि आवधायच्या परिवरात हैंडसॅनिटावझर्स निर्मितीसाठी सेकेना आवश्यक कच्या माल देखील प्रवला आहे. दोपक फर्टिलावझरचे अध्यक्ष आणि व्यवस्थापकीय संचालक शैलेश सी. मेहता वांनी ही महिती दिली.

तथाण लोकांस कर्ज बाबू खोधरी रा. रानगाव, पिल्कन भोने-साम्मी. ०-१५-० हे.सार.प्रती सुनिल मावार्थे,२) सी. रो बी. अजय तुकाराम गंधे , शौ.सुरेखा संनय गंधे, विकत घेण्याचे नित्रिचत के दान, बॉलस, फरोबलखत, स्वरूपाचे हक्क, हितसंबेच बातीन पत्वापर लेखी । कोणाचीती कोणल्याही प्रम धरण्यात येईल. त्यानंतर अशिल (सरेदिदार) यांगा व पल्ता- मु.पो. तथता,

भो. ८८८८५७७१५८ धाइने **सूचना** देखात होते

# HINDUSTAN TIMES **13TH YELLOW RIBBON NGO FAIR** GOES ONLINE

# **HT** Correspondent

puneletters@htlive.com

PUNE: The Yellow Ribbon NGO Fair (YRNF) has kickstarted its 13th edition online amid the Cov-Id-19 crisis. The fair's theme this year is 'Swadeshi with Pride' The fair started on November 1 and will continue until Sunday. Along with people from the city, the online fair also gives a chance of shopping to residents of Mumbai. The fair provides a platform to many non-government organisations and self-help groups that will showcase and sell their products, thereby helping income generation activities and also creating awareness about the work done by them. Over the last several years, thousands of people have shopped at the YRNF at Creativity mall (formerly Ishanya mall) and this time people just have to visit creaticityonline.com to get their favourite products.

14 | Page