

Form-5 - Environment Statement (April-2013 to March-2014)

eco bharat



**Maharashtra Pollution
Control Board**
महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form V is to be filled before 30th September annually; for the period from 1st April to 31st March

**PART A
Company Information**

Company Name :	Deepak Fertilisers
Facility Name :	Plot K1
Person Name * :	Mr. Shripad Lele
Designation * :	AVP-- EHS & QS
Premise Name :	Plot K1
Road Name :	MIDC Industrial Area
Area / Locality :	Taloja
City :	District Raigad
Pin code :	410208
Region :	Raigad
Telephone No * :	02267684221
FAX No :	02227412413
Email Id * :	shripad.lele@dfp
Industry Category * :	Red
Industry Sub-Category * :	<small>Select (See category/master)</small>
Date of Last Environmental statement submitted online:	NA
Consent No:	BO/AS(T)/O&Am
Consent Issue Date:	11/20/2013
Consent Valid Upto Date:	8/31/2016
Submission Of Financial Year:	09/22/2014

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Year Of Establishment :

1982

Industry Type * :

LSI (Large Scale Industry)

Industry Sub-Type * :

Manufacturer

Production

Product/By-Product Name	Consent Quantity	Actual Quantity	Unit
Ammonia	140400.000	110723.000	MetricTon
Weak Nitric Acid	445500.000	357873.000	MetricTon
Calcium Phosphate	210.000	170.070	MetricTon
Crude DIPE	1440.000	0.000	MetricTon
Crude IPA / NPA Mixture	1080.000	0.000	MetricTon
Propane	33000.000	15872.000	MetricTon
Methanol	99996.000	34172.000	MetricTon
Conc. Nitric Acid	129600.000	74085.000	MetricTon
Low Density Ammonium Nitrate Plus Ammonium Nitrate Melt	144000.000	98869.000	MetricTon
Ammonium Nitrate Phosphate	324900.000	242822.000	MetricTon
Liquid CO2	36000.000	35665.000	MetricTon
Iso Propyl Alcohol	70200.000	62087.000	MetricTon
Hydrogen Gas	960.000	483.530	MetricTon
Ammonium Nitrate Prills (Low Density)	200000.000	118480.580	MetricTon
Ammonium Nitrate Prills (High Density)	100000.000	99399.300	MetricTon
Iso Propyl Alcohol (drum filling)	15000.000	13815.000	MetricTon
Di Iso Propyl Ether (DIPE) (drum filling)	15000.000	1800.000	MetricTon
Bentonite Sulphur Pastilles	25000.000	15621.000	MetricTon

PART B

1) Water Consumption m3/day

Sr.No	Water Consumption for	Consent Quantity	Actual Quantity
1	Process	2358.000	1315.000
2	Cooling	18813.000	11010.000
3	Domestic	172.000	123.000
4	All Others	0.000	2.000
5	Total	21343.000	12450.000
6	Total water consumption as per cess bill for the year (m3/annum)	0.000	4544408.000
Sr.No	Particulars	Consent Quantity	Actual Quantity
1	Daily quantity of trade effluent from the factory	3878.280	3208.000
2	Daily quantity of sewage effluent from the factory	153.500	81.000
3	Daily quantity of treated effluent	0.000	3289.000

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

Sr.No	Name of Products (Production)	During the Previous Financial year	During the Current Financial year
1	Ammonia	6.990	7.467
2	Weak Nitric Acid	3.510	3.261
3	Methanol	3.970	3.086
4	Conc. Nitric Acid	1.490	1.497
5	Low Density Ammonium Nitrate Plus Ammonium Nitrate Melt	0.202	0.171
6	Ammonium Nitrate Phosphate	0.090	0.076
7	Liquid CO2	1.320	1.225
8	Iso Propyl Alcohol	12.560	10.466
9	Ammonium Nitrate Prills (High Density)	0.310	0.240
10	Bentonite Sulphur Pastilles	0.270	0.000
11	Ammonium Nitrate Prills (Low Density)	0.210	0.200

3) Raw material Consumption (Consumption of raw material per unit of product)

Sr.No	Name of Raw Materials	During the Previous Financial year	During the Current Financial year	Unit Name
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1	Natural gas for Ammonia	1041.024	1028.200 per unit of product	MetricTon
2	Natural gas for Methanol	910.305	845.510 per unit of product	MetricTon
3	Naptha for Methanol	0.000	0.000 per unit of product	MetricTon
4	Ammonia for Weak Nitric Acid	0.296	0.296 per unit of product	MetricTon
5	WNA for Conc. Nitric Acid	0.998	1.008 per unit of product	MetricTon
6	RGP for IPA	0.983	1.211 per unit of product	MetricTon
7	Ammonia for LDAN	0.217	0.217 per unit of product	MetricTon
8	WNA for LDAN	0.805	0.803 per unit of product	MetricTon
9	Ammonia (for ANP)	0.193	0.193 per unit of product	MetricTon
10	WNA for ANP	0.431	0.437 per unit of product	MetricTon
11	Phosphoric Acid (for ANP)	0.241	0.240 per unit of product	MetricTon
12	Sulphuric Acid (for ANP)	0.059	0.053 per unit of product	MetricTon
13	Rock Phosphate (for ANP)	0.000	0.000 per unit of product	MetricTon
14	Sulphur for Bentonite Sulphur Pastilles	0.922	0.922 per unit of product	MetricTon
15	Bentonite for Bentonite Sulphur Pastilles	0.097	0.093 per unit of product	MetricTon
16	Liquid Ammonia for Ammonium Nitrate Prills	0.218	0.216 per unit of product	MetricTon
17	Weak Nitric Acid for Ammonium Nitrate Prills	0.802	0.802 per unit of product	MetricTon
18	Additive for Ammonium Nitrate Prills (LDAN)	0.598	0.555 per unit of product	MetricTon
19	Coating Agent for Ammonium Nitrate Prills (LDAN)	0.002	0.001 per unit of product	MetricTon

4) Fuel Consumption

Sr.No	Fuel Name	Consent Quantity	Actual Quantity	Unit
1	HSD (High Speed Diesel)	2190.000	25.000 per annum	Kilo Liter
2	Natural Gas	15191.300	15004.000 per annum	MetricTon
3	Natural Gas Through Pipeline	50280000.000	49135844.000 per annum	Kilo Liter

PART C

Parameter Details for WATER - mass/day (Kg/day)

Sr.No	Parameters	Quantity Of Pollutant Discharged(mass/day)		Actual	Unit
1	pH			7.410	
2	Suspended Solids	89.428		27.190	mg/l
3	BOD 3 Days	70.549		21.450	mg/l
4	COD	199.971		60.800	mg/l
5	Oil and Grease	1.118		0.340	mg/l
6	TDS	4282.541		1302.080	mg/l
7	Chlorides	148.235		45.070	mg/l
8	Sulphates	25.358		7.710	mg/l
9	DO				mg/l
Sr.No	Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
1	Ammonical Nitrogen	2.533	Between	0.000 to 50.000 mg/l	3.720
2	Dissolved Phosphate	2.598	Between	0.000 to 5.000 mg/l	2.900
3	Total KJ Nitrogen	5.098	Between	0.000 to 100.000 mg/l	13.130
4	Cyanide (as CN)		Between	0.000 to 0.200 mg/l	0.000
5	Total Residual Chlorine (as Cl2)		Between	0.000 to 0.000 mg/l	0.000
6	Hexavalent Chromium		Between	0.000 to 0.100 mg/l	0.000
7	Total Chromium		Between	0.000 to 2.000 mg/l	0.000
8	Nitrate Nitrogen		Between	0.000 to 10.000 mg/l	5.000
9	Vanadium		Between	0.000 to 0.200 mg/l	0.000
10	Arsenic		Between	0.000 to 0.200 mg/l	0.000
11	Fluoride		Between	0.000 to 10.000 mg/l	0.000

Parameter Details for STACK

stack1

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm ³
HCL			mg/Nm ³
SO ₂	10.560	8.625	mg/Nm ³
CO			mg/Nm ³
Total Organic			mg/Nm ³

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HF			mg/Nm3
NOx	7.817	8.275	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 1

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	1.005	Between	0.000 to 34.690 stack unit	30.400

stack2

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	5.540	14.980	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack3

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	8.230	6.800	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack4

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.025	11.880	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack5

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3

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HF			mg/Nm3
NOx	0.058	28.000	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack6

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.054	26.000	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack7

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.065	31.000	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack8

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.071	34.000	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack9

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	131.010	41.600	mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	67.480	11.400	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3

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Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 9

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	1.028	Between	0.000 to 34.690 stack unit	31.100

stack10

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	92.330	38.200	mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	36.350	8.000	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 10

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	0.925	Between	0.000 to 34.690 stack unit	28.000

stack11

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	34.990	38.900	mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	15.420	9.100	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 11

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	0.988	Between	0.000 to 34.690 stack unit	29.900

stack12

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	0.490	31.800	mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.260	6.300	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 12

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	0.991	Between	0.000 to 34.690 stack unit	30.000

stack13

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	92.100	50.800	mg/Nm3

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HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	32.400	9.500	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 13

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	0.942	Between	0.000 to 34.690 stack unit	28.500

stack14

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	8.680	18.000	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack15

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	9.730	14.200	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack16

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	7.780	8.975	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack17

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3

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SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	12.020	12.600	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack18

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx			mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 18

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
CO2	0.399	Between	0.000 to 2.000 stack unit	46.300

stack19

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx			mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 19

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
CO2	0.305	Between	0.000 to 2.000 stack unit	35.430

stack20

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx			mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 20

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
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CO2	0.370	Between	0.000 to 2.000 stack unit	42.930
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stack21

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.009	18.300	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack22

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	3.554	9.225	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack23

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.006	7.800	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack24

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	5.504	12.450	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack25

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	5.725	50.250	mg/Nm3

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HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	2.315	11.350	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 25

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	0.945	Between	0.000 to 34.690 stack unit	28.600

stack26

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	14.800	5.930	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 26

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	0.550	Between	0.000 to 34.690 stack unit	10.000

stack27

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	87.880	38.830	mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	17.580	7.770	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 27

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	1.738	Between	0.000 to 34.690 stack unit	31.600

stack28

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	39.160	31.030	mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	10.720	8.500	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3

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Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 28

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	1.628	Between	0.000 to 34.690 stack unit	29.600

stack29

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	68.200	15.100	mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	36.580	8.100	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

Compnaywise stack 29

Parameters	Quantity Of Pollutant Discharged(mass/day)	Range	Standard	Actual
Ammonia	1.493	Between	0.000 to 34.690 stack unit	27.150

stack30

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	24.470	15.100	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack31

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	0.000	0.000	mg/Nm3
HCL			mg/Nm3
SO2	0.000	0.000	mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx			mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack32

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	0.940	6.300	mg/Nm3
HCL			mg/Nm3
SO2	0.620	6.000	mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx			mg/Nm3

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Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack33

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	2.250	135.100	mg/Nm3
HCL			mg/Nm3
SO2	0.380	21.000	mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx			mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack34

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	0.875	52.500	mg/Nm3
HCL			mg/Nm3
SO2	1.002	67.150	mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.320	10.480	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack35

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	1.473	65.266	mg/Nm3
HCL			mg/Nm3
SO2	1.458	61.466	mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.485	11.300	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack36

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	0.395	45.950	mg/Nm3
HCL			mg/Nm3
SO2	0.580	68.100	mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.150	9.400	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

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stack37

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates	1.450	39.400	mg/Nm3
HCL			mg/Nm3
SO2	3.540	3.850	mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx	0.220	10.450	mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

stack38

Parameters	Quantity Of Pollutant Discharged(mass/day)	Actual	Unit
Particulates			mg/Nm3
HCL			mg/Nm3
SO2			mg/Nm3
CO			mg/Nm3
Total Organic			mg/Nm3
HF			mg/Nm3
NOx			mg/Nm3
Total dioxines			ng[TEQ]Nm3
cd+Th			mg/Nm3
Hg			mg/Nm3
Heavy metal			mg/Nm3

PART D - Hazardous Waste

[as specified under Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008]

1) From Process

Sr.No	Category no: Type of waste	Consent Quantity	Unit	During Previous Financial year	During Current Financial year
1	5.1 Used / spent oil	126.510	Kilo Liter	31.000	71.820
2	18.1 Spent catalyst	48.340	MetricTon	47.380	7.150
3	31.1 Process residues and wastes	60.000	MetricTon	0.000	5.230

2) From Pollution Control Facility

Sr.No	Category no: Type of waste	Consent Quantity	Unit	During Previous Financial year	During Current Financial year
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PART E - Solid Waste

[as specified under Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008]

1) From Process

Sr.No	Type of Waste	Consent Quantity	During Previous Year	During Financial Year	Unit
1					

2) From Pollution Control Facility

Sr.No	Type of Waste	Consent Quantity	During Previous Year	During Financial Year	Unit
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PART F

Hazardous Waste

Sr.No	Type of Hazardous Waste Generated	Qty of Hazardous Waste	Consistency of Hazardous Waste	Disposal
1	5.1 Used / spent oil	71.820	Oily	Recycle / Reprocess
2	18.1 Spent catalyst	7.150	Solid	Recycle / Reprocess
3	31.1 Process residues and wastes	5.230	Solid	MWML (Mumbai Waste Management Ltd.) Land Fill

Solid Waste

Sr.No	Type of Solid Waste Generated	Qty of Solid Waste	Consistency of Solid Waste	Disposal
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PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Form-5 - Environment Statement (April-2013 to March-2014)

Sr.No	Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel and Solvent Consumption (Kg/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment (Rs)	Reduction in Maintenance (Rs)
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PART H

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

Sr.No	Description	Environmental Protection Measures	Capital Investment (Rs)
1	To recycle 50 M3 effluent	Cana Indica Project	500000.000
2	TERI's (WRC) had organized the annual event 'Jaltarang' to commemorate World Wetlands Day-02.02.14	Wetland Awareness Programme organized	150000.000
3	Green Belt Development - Plantation of 5000 saplings in factory.	Tree Plantation	500000.000
4	Weather Monitoring Station	Monitoring of weather conditions on a continuous basis.	150000.000
5	Provision of 150 M3 tank near C.N.A. Plant	For collection of effluent in case of emergency.	3700000.000

PART I

Any other particulars for improving the quality of the environment.

1.

Initiation of

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2.

Plantation o

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* Maximum 200 characters