Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000072704	27-09-2024

PART A

Company Information

Company Name	***Application UAN number***	
Deepak Nitrite Limited	MPCB-CONSENT-0000116158	
Address		
Plot Nos - 1-8,26-34,MIDC,Dhatav,Roha-402116		
Plot no	***Taluka***	***Village***
Plot No. 1-8, 26-34	Roha	Dhatav
Capital Investment (In lakhs)	***Scale***	***City***
15600	L.S.I	Raigad
Pincode	***Person Name***	***Designation***
402116	Shivanand S Kalgi	Site Head
Telephone Number	***Fax Number***	***Email***
9130024344	02194263863	sskalgi@godeepak.com
Region	***Industry Category***	***Industry Type***
SRO-Raigad II	Red	R22 Organic Chemicals manufacturing
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	MPCB-CONSENT-0000209361	2024-07-25
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2025-06-30	1992	Sep 28 2023 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Para Nitro Cumidine (PC) OR Ortho Nitro Cumine (ONC)/ Ortho Nitro Cumene (ONC) /Ortho Cumidine (OC)	3600	1863.19	MT/A
3 Amino Benzo Tri Fluoride (3ABTF) Or 3 Nitro Benzo tri Fluoride (3NBTF) OR 2 Nitro Benzo Tri Fluoride (2NBTF) Or 2 Amino Benzo Tri Fluoride (2ABTF) Or 4 Nitro Benzo Tri Fluoride (4NBTF)	4800	37.71	MT/A
Ortho Anisidine (OA)	600	0	MT/A
2,3 Nitro Xylene Or 2,4 Nitro xylene Or 3,4 Nitro -xylene OR 2,6 Nitro- Xylene	15960	2749.25	MT/A
2,3 Xylenol Or 2,4 Xylenol Or 2,5 Xylenol	3600	0	MT/A
4-Methoxy 2 - Methyl Diphenyl Amine (MMDPA)	1200	211.86	MT/A
Aniline	120	0	MT/A

3 Nitro Aceto Phenone (3NAP)	720	0	MT/A
2 Methyl p- Phenelyne Diamine Sulfate (2MePPDA Sulphate) Or Di- Butyl Para Phenylene Diamine (DBPPDA) OR 1,3 -Cyclo Hexane Dione(1,3 CHD)	1200	496.35	MT/A
Ortho Toludine (OT)	552	141.53	MT/A
Sodium Acetate	1800	0	MT/A
Pilot/ MPP Plant	120	0	MT/A
1,2,4 Triazinone	300	0	MT/A
2-Cyanophenol	1800	0	MT/A
PPO (Poly Phenylene Oxide)	1800	0	MT/A
3-(Tri Floro Methyl) Acetophenone (TFMAP)	2400	1151.78	MT/A
CL-BTF /OHBTF /OA BTF From TFMAP	300	0	MT/A

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
--	0	0	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	***Consent Quantity in m3/day***	***Actual Quantity in m3/day***
Process	583.00	207.35
Cooling	800.00	154.20
Domestic	40.00	30.00
All others	0.00	0.00
Total	1423.00	391.55

2) Effluent Generation in CMD / MLD

Particulars	***Consent Quantity***	***Actual Quantity***	***UOM***
Trade Effluent	615	219	CMD
Domestic effluent	35	30	CMD

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

Name of Products (Production)	***During the Previous financial Year***	***During the current Financial year***	***UOM***
All Products	12.85	11.89	Ton/Ton

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

Name of Raw Materials	***During the Previous financial Year***	***During the current Financial year***	***UOM***
NSA	0	0	Ton/Ton
Sulfuric acid	1.378	1.378	Ton/Ton
3-ABTF	0.856	0.856	Ton/Ton
m-HBTF	0	0	Ton/Ton
Toluene	0.138	0.138	Ton/Ton
72% HNO3 (nitric acid)	1.097	1.097	Ton/Ton

Methanol	0.164	0.164	Ton/Ton
O-XYLENE	1.710	1.710	Ton/Ton
2,4-Xylidine	0	0	Ton/Ton
30 % NaOH	1.42	1.42	Ton/Ton
Cumene	1.079	1.079	Ton/Ton
NaNO2	0.367	0.367	Ton/Ton
BTF	0.764	0.764	Ton/Ton

4) Fuel Consumption

Fuel Name	***Consent quantity***	***Actual Quantity***	***UOM***
Coal	25550	10689.166	MT/A
LSHS	4288.75	83.408	KL/A
HSD	4106.25	35.447	KL/A

Part-C

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

[A] Water

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
COD	30.71	115.91	0	250	NA
BOD	5.75	21.70	0	30	NA
Oil & Grease	0.2	1	0	10	NA
Suspended Solids	5.56	21	0	100	NA
TDS	203.0	766	0	2100	NA
Chlorobenzene	0	0	0	0.2	NA
Zinc	0	0	0	5	NA
Benzene	0	0	0	0.1	NA
Phenolics (C6H5OH)	0	0	0	1	NA
Sulphide(as S)	0	0	0	2	NA
Phosphate (as P)	0	0	0	5	NA
pH	7.3	7.3	0	6-8.5	NA
Xylene	0	0	0	0.12	NA
Methylene Chloride	0	0	0	0.9	NA
Ammoniacal Nitrogen	0	0	0	100	NA

[B] Air (Stack)

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/NM3)***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
Particulate Matter	7.14	31.45	0	150	NA
SO2	16.14	72	0	600	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	3.988	4.315	MT/A
5.2 Wastes or residues containing oil	0	0	MT/A
32.1 Spent chemicals	4659	768	MT/A
Other Hazardous Waste	0	4335	MT/A
34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	0	0	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	247	0	Nos./Y
29.5 Spent catalysts	0	0	MT/A
38.1 Process residues	1360	520.7	MT/A
36.2 Spent carbon or filter medium	0	0	MT/A
28.6 Spent organic solvents	0	0	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	2684	448	MT/A
37.3 Concentration or evaporation residues	561	2723.8	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Insulating Material	2.14	1.210	MT/A
Boiler Ash	720	803.36	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste

5.1 Used or spent oil	4.315	MT/A	-
5.2 Wastes or residues containing oil	0	MT/A	-
32.1 Spent chemicals	768	MT/A	-
Other Hazardous Waste	4335	MT/A	-
34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	0	MT/A	-
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0	MT/A	-
35.3 Chemical sludge from waste water treatment	448	MT/A	-
29.5 Spent catalysts	0	MT/A	-
38.1 Process residues	520.7	MT/A	-
37.3 Concentration or evaporation residues	2723.8	MT/A	-
Other Hazardous Waste	0	MT/A	-
Other Hazardous Waste	0	MT/A	-
36.2 Spent carbon or filter medium	0	MT/A	-
28.6 Spent organic solvents	0	MT/A	-

2) Solid Waste

Type of Solid Waste Generated	***Qty of Solid Waste***	***UOM***	***Concentration of Solid Waste***
Insulating Material	1.210	MT/A	-
Boiler Ash	803.36	MT/A	-

Part-G

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

Description	***Reduction in Water Consumption (M3/day)***	***Reduction in Fuel & Solvent Consumption (KL/day)***	***Reduction in Raw Material (Kg)***	***Reduction in Power Consumption (KWH)***	***Capital Investment(in Lacs)***	***Reduction in Maintenance(in Lacs)***
NA	101	0	0	0	0	0

Part-H

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
Stripper for AAO recovery	Recovery of Material	290

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
Solar Power system Phase -II	Renewable energy resource	20
Rain water Harvesting	Reuse of water	10
reuse of treated effluent to Cooling tower	Reuse of water	204
Upgradation of MEE	pollution protection	145

Part-I

Any other particulars for improving the quality of the environment.

Particulars

World Environment Day Celebration & Tree Plantation.

Name & Designation

Shivanand S Kalgi

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000072704

Submitted On:

27-09-2024