



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

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

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000027303

### Submitted Date

24-09-2020

### Company Information

#### Company Name

M/S. DORF KETAL CHEMICALS INDIA PRIVATE LIMITED.

#### Application UAN number

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#### Address

Plot No. - B - 52 / 3, MIDC, LOTE PARSHURAM, TAL - KHED, DIST - RATNAGIRI.

#### Plot no

Plot No. - B - 52 / 3, MIDC

#### Taluka

KHED

#### Village

LOTE

#### Capital Investment (In lakhs)

13.47

#### Scale

L.S.I

#### City

Lote

#### Pincode

415722

#### Person Name

MR. VISHWAS KHADILKAR

#### Designation

MANAGER

#### Telephone Number

02356-272186

#### Fax Number

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#### Email

vishwas.khadilkar@dorketal.com

#### Region

SRO-Chiplun

#### Industry Category

Red

#### Industry Type

R22 Organic Chemicals manufacturing

#### Last Environmental statement submitted online

yes

#### Consent Number

CONSENT ORDER NO. FORMAT 1.0/AS(T)/RO-KP/2018/CC-1809001318

#### Consent Issue Date

15.09.2018

#### Consent Valid Upto

31.07.2020

### Product Information

#### Product Name

3.5 XYLENOL

#### Consent Quantity Actual Quantity UOM

1200 1168.373 MT/A

ZINC OXIDE DESULPHURISATION CATALYST

2400 190.363 MT/A

MODIFIED ALLUMINA CATALYST OR ALLUMINA ABSORBENTS REFORMING CATALYST.

1200 220.582 MT/A

MIXED OXIDE CATALYST( Cu/Ni BASED)

1200 0.668 MT/A

SABS - 30(CERAMIC BALL)

240.00 0.504 MT/A

### By-product Information

#### By Product Name

NA

#### Consent Quantity

NA

#### Actual Quantity

NA

#### UOM

MT/A

### 1) Water Consumption in m3/day

#### Water Consumption for

#### Consent Quantity in m3/day

#### Actual Quantity in m3/day

<b>Process</b>	17	15.8
<b>Cooling</b>	31.20	17.25
<b>Domestic</b>	10	7.0
<b>All others</b>	2	1.6
<b>Total</b>	60.2	41.65

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

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Trade Effluent	17	13	CMD
Domestic Effluent	8	6	CMD

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

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
3.5 XYLENOL	5.2	5.3	Ton/Ton
ZINC OXIDE DESULPHURISATION CATALYST	1.53	1.51	Ton/Ton
MODIFIED ALLUMINA CATALYST OR ALLUMINA ABSORBENTS REFORMING CATALYST	2.2	2.1	Ton/Ton
MIXED OXIDE CATALYST (CU/NI BASED)	0.75	0.76	Ton/Ton
SABS-30(CERAMIC BALL)	0	0	Ton/Ton

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

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
DRIED ALUMINUM GEL / CARAL GP/ MONO ALUMINA HYDRATE	0.67	0.66	Ton/Ton
INDAL ALUMINA HYDRATE	0.52	0.51	Ton/Ton
ZINC OXIDE	0.56	0.56	Ton/Ton
ACETIC ACID	0.014	0.014	Ton/Ton
ATTAPULGITE CLAY	0.52	0.51	Ton/Ton
KAOLIN CLAY	0.029	0.028	Ton/Ton
SODA ASH	0.38	0.36	Ton/Ton
PRECIPITATED SILICA	0.019	0.018	Ton/Ton
COPPER NITRITE	0.13	0.13	Ton/Ton
NICKEL CARBONATE	0.38	0.37	Ton/Ton
ISOPHORONE	1.61	1.59	Ton/Ton
CAUSTIC SODA LYE	0.24	0.26	Ton/Ton
SULFURIC ACID	0.35	0.34	Ton/Ton

### **4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
COAL	1204.5	1140.153	MT/A
DIESEL	182.5	58.27	MT/A
LOW BOILER	124.1	55.41	MT/A
HIGH BOILER	102.2	70.26	MT/A

**Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)****[A] Water**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>		
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>	<b>Standard</b>	<b>Reason</b>
PH	--	7.75	--	5.5 - 9.0	FULL FLEDGE ETP IS PROVIDED.
SUSPENDED SOLIDS	0.26	20	-80	Not to Exceed 100 mg/l	FULL FLEDGE ETP IS PROVIDED.
B.O.D.	0.15	12	-60	Not to Exceed 30 mg/l	FULL FLEDGE ETP IS PROVIDED.
C.O.D.	0.67	52	-79	Not to Exceed 250 mg/l	FULL FLEDGE ETP IS PROVIDED.
OIL & GREASE	0.0013	0.1	-99	Not to Exceed 10 mg/l	FULL FLEDGE ETP IS PROVIDED.
TDS	11.83	910	-56	Not to Exceed 2100 mg/l	FULL FLEDGE ETP IS PROVIDED.
PHENOLIC COMPOUND	0.00001	0.001	-99	Not to Exceed 5 mg/l.	FULL FLEDGE ETP IS PROVIDED.

**[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>		
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>	<b>Standard</b>	<b>Reason</b>
TPM/SPM	1.45	35.1	-76	150 Mg/Nm3	MDC IS PROVIDED
SO2	4.14	100.1	-96	105 kg/Day	Imported coal with low sulphur content is used.

**HAZARDOUS WASTES****1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
6.2 Zinc fines or dust or ash or skimmings in dispersible form	5.195	6.775	MT/A
28.1 Process Residue and wastes	4.295	0.72	MT/A

**2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
35.3 Chemical sludge from waste water treatment	0	29.365	MT/A

**SOLID WASTES****1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
--	-	-	CMD

**2) From Pollution Control Facilities**

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

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

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	CMD

**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
6.2 Zinc fines or dust or ash or skimmings in dispersible form	6.775	MT/A	ZINC DUST , SWEEPING ETC
28.1 Process Residue and wastes	0.72	MT/A	ORGANIC COMPOUND.
35.3 Chemical sludge from waste water treatment	29.365	MT/A	--

**2) Solid Waste**

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	NA	CMD	--

**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)
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**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)
Tree Plantation in near by villages .	Environmental Performance improvement.	0.30

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

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Installation of Distillation System & New resin beds	Reduction in effluent qty by 5 KL/D	30 lacs

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

**Particulars**

Onsite emergency plan is prepared and training conducted for employee. Monthly review meetings are conducted to review the energy and raw material norms. Environment awareness programme are conducted periodically.

**Name & Designation**

MR. VISHWAS P KHADILKAR MANAGER EHS