



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000048074

Submitted Date

27-09-2022

PART A

Company Information

Company Name

Melog Speciality Chemicals Pvt. Ltd.

Application UAN number

95420

Address

N-5, Additional MIDC, Ambernath East

Plot no

N-5

Taluka

Ambernath

Village

Ambernath

Capital Investment (In lakhs)

7960.32

Scale

Medium

City

ambernath

Pincode

421506

Person Name

Mr. Sameer Deodhar

Designation

GM Operations

Telephone Number

9822894289

Fax Number

02224077375

Email

s.deodhar@melog.co.in

Region

SRO-Kalyan II

Industry Category

Red

Industry Type

R22 Organic Chemicals manufacturing

Last Environmental statement submitted online

yes

Consent Number

1.0/CC/UAN No.0000095420/CR-2011000829

Consent Issue Date

2020-11-12

Consent Valid Upto

2024-02-28

Establishment Year

2004

Date of last environment statement submitted

Sep 27 2022 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

P-P Biphenol

Consent Quantity

1200

Actual Quantity

840.3

UOM

MT/A

NUA

240

18.68

MT/A

DICUMENE

120

115

MT/A

MR-3

100

70.682

MT/A

TT-510

200

198

MT/A

CLEANER FOR PRINTER PRESS

9600

3384.7

KL/A

By-product Information

By Product Name

Consent Quantity

Actual Quantity

UOM

Crude I.B. Polymer	980	68.824	MT/A
High Polymer of butylated hydrocarbon	1000	131	MT/A
Aluminium sulphate solution	2525	50	MT/A
Dilute Acidic Solution	496	475	MT/A
Methyl Ester of Lauric Acid	342	9.517	MT/A
Zinc Chloride Solution	220	172.9	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	427.00	231.05
Domestic	17.00	9.21
All others	25.00	13.53
Total	583.00	315.46

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	132	65	CMD
Domestic Effluent	14	10	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
P-P Biphenol	32	53.47	CMD
NUA	0.423	0.469	CMD
DICUMENE	2.475	2.410	CMD
MR-3	11.218	14.330	CMD
TT-510	2.641	2.930	CMD
CLEANER FOR PRINTER PRESS	0.0	0.0	CMD

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
P-P Biphenol	0	0	Ton/Ton
Isobutylene	0.689	0.623	Ton/Ton
Methanol	0.625	0.628	Ton/Ton
Charcoal	0.043	0.044	Ton/Ton
Acetic Acid	0.018	0.025	Ton/Ton
Aluminium	0.021	0.019	Ton/Ton
Caustic Potash	0.006	0.009	Ton/Ton
Phenol	1.501	1.472	Ton/Ton
PTS Acid	0.051	0.054	Ton/Ton

Diatomic super cell	0.0657	0.0608	Ton/Ton
Common Salt	0.113	0.098	Ton/Ton
PTBP	0.065	0.009	Ton/Ton
Sulfuric Acid	0.086	0.045	Ton/Ton
Caustic Flakes	0.0175	0.0161	Ton/Ton
DICUMENE	0	0	Ton/Ton
Methanol	0.718	0.844	Ton/Ton
HCL	3.845	3.420	Ton/Ton
AMS	1.744	1.538	Ton/Ton
Zinc dust	0.431	0.394	Ton/Ton
Cumene	0.056	0.004	Ton/Ton
Sulfuric Acid	0.025	0.016	Ton/Ton
NUA	0	0	Ton/Ton
Amberwash	0.406	0.244	Ton/Ton
LA7RD	0.638	0.64	Ton/Ton
DLPO	1.440	1.44	Ton/Ton
Common Salt	0.011	0.012	Ton/Ton
Methanol	1.856	1.86	Ton/Ton
HCL 35%	0.995	1.01	Ton/Ton
Caustic Lye 48%	0.429	0.43	Ton/Ton
Caustic Soda Flakes	0.017	0.017	Ton/Ton
Sodium borohydrate	0.0049	0.0049	Ton/Ton
Hydrazine Hydrate	0.002	0.002	Ton/Ton
Phosphoric Acid	0.124	0.143	Ton/Ton
Soda Ash	0.0115	0.019	Ton/Ton
Hyflow	0.0304	0.03	Ton/Ton
MR-3	0	0	Ton/Ton
Sulfolane	0.89	0.68	Ton/Ton
2 methyl resorsinol	0.965	0.95	Ton/Ton
Al- Chloride	0.564	0.62	Ton/Ton
Cynuric Chloride	0.402	0.403	Ton/Ton
Methylene dichloride	1.099	0.755	Ton/Ton
HCL 30%	2.635	2.88	Ton/Ton
Caustic Lye 48%	1.568	1.48	Ton/Ton
Sodium borohydrate	0.085	0.086	Ton/Ton
TT-510	0	0	Ton/Ton
1,2,3,4 BTCA	0.831	0.83	Ton/Ton
Methanol	0.989	1.12	Ton/Ton
H2SO4 AR Grade	0.005	0.0053	Ton/Ton
TEA	0.005	0.0053	Ton/Ton
Cleaner for printer press	0	0	Ton/Ton

MTO	0.500	0.463	Ton/Ton
C-9	0.079	0.085	Ton/Ton
Surfactant	0.011	0.009	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	21.6	5988.24	MT/A
FO	2.7	2.894	MT/A
Diesel	275	55.37	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 Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Suspended Solid	1.105	17	Nil	100 mg/l	ZLD unit
COD	9.412	144.8	Nil	250 mg/l	ZLD unit
BOD	1.641	25.25	Nil	100 mg/l	ZLD unit
Chloride	4.907	75.5	Nil	600 mg/l	ZLD unit
Sulphate	10.416	160.25	Nil	1000 mg/l	ZLD unit
TDS	25.268	388.75	Nil	2100 mg/l	ZLD unit

[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 %variation	Standard	Reason
TPM from Boiler	14.90	73.4	Nil	150 mg/Nm3	Less than pers. limit
SO2 from Boiler	14.6	71.85	Nil	255 mg/Nm3	Less than pers. limit
TPM from Thermopack	9.180	91.8	Nil	150 mg/Nm3	Less than pers. limit
SO2 from Thermopack	16.2	161.98	Nil	255 mg/Nm3	Less than pers. limit
TPM from DG set	1.15	74.55	Nil	150 mg/Nm3	Less than pers. limit
SO2 from DG set	2.84	182.89	Nil	255 mg/Nm3	Less than pers. limit

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	0.87	0.82	KL/A
28.1 Process Residue and wastes	41.7	32.5	MT/A

28.3 Spent carbon	4.02	4.04	MT/A
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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	39.45	34.48	MT/A
37.3 Concentration or evaporation residues	412.12	400	MT/A

Part-E

SOLID WASTES

1) From Process

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

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Coal Ash from Boiler	208	262.5	MT/A
Paper Waste	0.15	0.15	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	3.0	3.5	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	0.82	KL/A	Sent to MPCB Approved recycler M/S Poonum Petrochem Pvt. Ltd.
28.1 Process Residue and wastes	32.5	MT/A	Calorific value 4486 cal/gm, LOI =73.12% Disposal Path Incineration
28.3 Spent carbon	4.04	MT/A	Calorific value 3579 cal/gm,LOI=50.08% Disposal Path- Incineration
35.3 Chemical sludge from waste water treatment	34.48	MT/A	Calorific value 416.8 cal/gm, LOI=15.19%, Sulphate 17400.0 mg/kg Chloride 1520 mg/kg, Disposal path- D-Landfill
37.3 Concentration or evaporation residues	400	MT/A	Calorific value 1274 cal/gm, LOI=2.46%, Disposal path- D-Landfill

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Coal Ash from Boiler	262.5	MT/A	Not analyzed disposal path Dispatch to Brick Manufacture
Paper waste	0.15	MT/A	Not analyzed, Disposal path - Sale to scrap dealer
Discarded containers /drum/Liner	3.5	MT/A	Not Analyzed reused in unit for Hazardous waste storage

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)
water	18.40	0.0	00	0.0	42.33	0.0
Air	0.0	0.0	0.0	0.0	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)
Water Pollution Control	Digital flow meter, AMC for Online monitoring system	1.14

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Green belt development	Oil & Grease Trap	40

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Developing Green Belt outside factory premises

Name & Designation

Sameer Deodhar, GM Operations

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000048074

Submitted On:

27-09-2022