



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-0000048564

Submitted Date

28-09-2022

PART A

Company Information

Company Name

BENZO CHEM INDUSTRIES PVT.
LTD.

Application UAN number

NA

Address

M.I.D.C. Area, Dist.: Buldhana - 443
001

Plot no

Plot No.: B-24/25

Taluka

Malkapur

Village

Dasarkhed

Capital Investment (In lakhs)

3953

Scale

MSI

City

Malkapur

Pincode

443001

Person Name

Mr. M.A.SAPKAL

Designation

PLANT HEAD

Telephone Number

8976648757

Fax Number

0

Email

productioneou@benzochem.co.in

Region

SRO-Akola

Industry Category

Red

Industry Type

R22 Organic Chemicals manufacturing

Last Environmental statement submitted online

yes

Consent Number

Format.1.0/CC/UAN.No.0000125229/CR/2208001327

Consent Issue Date

2022-08-28

Consent Valid Upto

2025-02-28

Establishment Year

2009

Date of last environment statement submitted

Sep 28 2021 12:00:00:000AM

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

Product Information

Product Name

2-Coumaranone 30 % in Acetic Anhydride 70 %.

Consent Quantity

4800.0

Actual Quantity

1825.430

UOM

MT/A

3-ISO-Chromanone

720.0

92.435

MT/A

ORTHO HYDROXY PHENYL ACETIC ACID

360

2.378

MT/A

'3-CHLORO - 2 METHYL ANISOLE/2 methoxy 6- chlorotoluene

480

222.640

MT/A

'METHYL 2-(2-CHLOROMETHYL) PHENYL ACETATE

180

175.550

MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
Sodium Chloride Powder	1200	270.35	MT/A
Liquor Ammonia Solution	1737.48	145.01	KL/A
Sodium sulphite solution	211.68	189.60	KL/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	97.0	41.57
Domestic	15.0	6.42
All others	0	0.00
Total	188	85.59

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	34.73	24.85	CMD
Sewage Effluent	10.0	5.30	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
2C	16.55	15.30	KL/A
3IC	2.254	2.469	KL/A
3CMA	2.508	1.76	KL/A
MCMPA	2.98	4.68	KL/A
ORTHO HYDROXY PHENYL ACETIC ACID	0.0073	0.019936	KL/A

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
Acetic anhydride	0.65	0.41	MT/A
CAT "X" (AZDN)	0.061	0.0034	MT/A
Caustic soda Flakes	0	0.0031	MT/A
Caustic soda Lye	1.58	0.47	MT/A
Copper Sulphate	0.014	0.013	MT/A
Hydrochloric acid 30%	1.53	0.63	MT/A
HYFLO	0	0	MT/A
Liquid Chlorine	2.29	0.12	MT/A
Match money 3040	0	0	MT/A
Methanol	0.81	0.048	MT/A
Mono-Chloro benzene	0.82	0.030	MT/A

Nitric acid commercial	0	0.001	MT/A
Ortho-Chloro benzyl cyanide	0.35	0.38	MT/A
Ortho-Chloro phenyl Acetic acid	0.086	0	MT/A
Ortho-Methyl phenyl acetic acid	0.19	0.22	MT/A
Sediflock Chemlyte	0	0	MT/A
Sediflock SA	0	0	MT/A
Soda ash	0	5.04	MT/A
Sodium bi-carbonate	0.76	0.035	MT/A
Sulphamic acid	0	0	MT/A
Sulphuric acid	0.013	0.008	MT/A
Toluene	0.0056	0.010	MT/A
Zinc Sulphate	0.009	0.010	MT/A
Para Chrolo Benzyl Cyanide	0.06	0	MT/A
Cyclohexane	0	0	MT/A
Ethylene Di Chloride	0	0	MT/A
Para Toluic Chloride	0	0	MT/A
2,6 Di Chloro Toulene	1.16	0.093	MT/A
Di Methyl Sulfoxide	0.43	0.037	MT/A
Di Methyl Sulphate	0.24	0.024	MT/A
Sodium Methoxide Powder	0.53	0.046	MT/A
Thionyl Chloride	0	0	MT/A
Mono Ethylene Glycol (MEG)	0	0.0030	MT/A
2 Hydroxy Phenyl Acetic Acid	0	0.011	MT/A
CL 100% CTE	0.0032	0	MT/A
CL 100% ETP-dw	0.0019	0	MT/A
CL 100% ETP-bf	0.015	0	MT/A
OMPAA	3.96	0	MT/A
CL 100 % ETP	0.16	0	MT/A
CL 100% Scrubber + CT	0.14	0	MT/A
HCL	0.411	0	MT/A
NaoH	0.006	0	MT/A
C-Lye For Aq Layer treatment	0.060	0	MT/A
Activated Charcoal	0	0	MT/A
Aluminium Chloride	0	0	MT/A
'AQUATREAT-111	0	0.0004	MT/A
AQUATREAT-120	0	0.0004	MT/A
'AQUATREAT-AS 710	0	0	MT/A
'AQUATREAT-M 740	0	0.0001	MT/A
'AQUATREAT-Q 760	0	0	MT/A
'AQUATREAT EQ 781	0	0	MT/A
'AQUATREAT EQ 781	0	0	MT/A

'BOILER DESCALING CHEMICALS	0	0.0001	MT/A
HYDROGEN PEROXIDE	0	0.0005	MT/A
'METHYLENE DI CHLORIDE COMM	0	0.012	MT/A
ORTHO DI CHLORO BENZENE	0	0.0091	MT/A
SODIUM HYPO CHLORIDE	0	0	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	10950	4108.976	Ton/Y

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) Quantity	Concentration of Pollutants discharged (Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	0	0	0	-	ZLD

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged (Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Total Particulate Matter - TPM	0	122	18.66	150	NA
Sulphur Di-oxide - SO2	0	8.42	96.49	240	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
20.3 Distillation residues	0.93	0.840	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	5.01	4.780	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
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
20.3 Distillation residues	0.840	MT/A	--
35.3 Chemical sludge from waste water treatment	4.780	MT/A	--

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	0	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)
The system of ISO 14001 is implemented to reduce water consumption.	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

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
M/s. BENZO CHEM INDUSTRIES PVT. LTD. Has made additional investment in Air Pollution Control measures to ensure the scrub Bering capacities multifold manner. The Company has installed additional HCL	To reduce gases pollution/water pollution	190
M/s. BENZO CHEM INDUSTRIES PVT. LTD. Has made additional investment in tree plantation	Tp control the temp and make surrounding green	4.51

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

To monitor compliance of various specific provisions/safeguards of statutory laws/rules and stipulation of Environmental committees. Company has circulated code of conduct to every section. It highlights the good housekeeping, safety operations, maintenance of equipments and machinery and precautions to be taken to prevent the accident. Company is conducting regular training, exercise to plant personal to handle safety devices located in the plant.

Name & Designation

Mr.M.A.SAPKAL (PLANT HEAD)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000048564

Submitted On:

28-09-2022