



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-0000049045

Submitted Date

29-09-2022

PART A

Company Information

Company Name

Benzo Chem Industries Private Ltd.

Application UAN number

-

Address

B-26,27 & 14,15 M.I.D.C. AREA, Dasarkhed
Tal.Malkapur City Malkapur Dist.Buldhana

Plot no

B-26,27 & 14,15 M.I.D.C. AREA

Taluka

MALKAPUR

Village

DASARKHED

Capital Investment (In lakhs)

1622

Scale

MSI

City

MALKAPUR

Pincode

443101

Person Name

P.N.ZOPE

Designation

General Manager-Works

Telephone Number

07267262245

Fax Number

07267262341

Email

zope@benzochem.co.in

Region

SRO-Akola

Industry Category

Red

Industry Type

R22 Organic Chemicals manufacturing

Last Environmental statement submitted online

yes

Consent Number

Format1.0/AS(T)/UAN
No.0000119715/CR-2110000177

Consent Issue Date

2021-10-05

Consent Valid Upto

2026-09-30

Establishment Year

1997

Date of last environment statement submitted

Sep 30 2021 12:00:00:000AM

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

Product Information

Product Name

PARA CHLORO BENZYL CHLORIDE

Consent Quantity

696

Actual Quantity

24.778

UOM

MT/A

PARA CHLORO BENZYL CYANIDE

696

68.234

MT/A

PARA CHLORO PHENYL ACETIC ACID

696

33.523

MT/A

PARA CHLORO BENZALDEHYDE

696

151.727

MT/A

ORTHO CHLORO BENZYL CHLORIDE

696

12.239

MT/A

ORTHO CHLORO BENZYL CYANIDE

696

1.286

MT/A

ORTHO CHLORO PHENYL ACETIC ACID

696

53.374

MT/A

METHYL 2-CHLORO PHENYL ACETATE	696	39.442	MT/A
ORTHO CHLORO BENZALDEHYDE	696	38.427	MT/A
META CHLORO BENZYL CHLORIDE	696	7.832	MT/A
META CHLORO BENZYL CYANIDE	696	94.643	MT/A
META CHLORO PHENYL ACETIC ACID	696	0.398	MT/A
META CHLORO BENZALDEHYDE	696	0.462	MT/A
2,4 DICHLORO PHENYL ACETYL CHLORIDE	696	9.034	MT/A
2,4 DICHLORO BENZALDEHYDE	696	2.966	MT/A
2,4 DI SULPHONIC ACID DI SODIUM SALT (P)METHYL PHENYL ACETYL CHLORIDE	696	4.814	MT/A
2,4 DI SULPHONIC ACID DI SODIUM SALT (L)	696	14.300	MT/A
2,5 DI METHYL PHENYL ACETYL CHLORIDE	696	54.516	MT/A
2,4,6 TRI METHYL PHENYL ACETYL CHLORIDE	696	4.470	MT/A
ORTHO METHYL BENZYL CHLORIDE	696	41.104	MT/A
ORTHO METHYL BENZYL CYANIDE	696	28.853	MT/A
ORTHO METHYL PHENYL ACETIC ACID	696	6.900	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
HYDROCHLORIC ACID	360	0	MT/A
SODIUM CHLORIDE	112.8	0	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	120	118.00
Domestic	8	7.85
All others	10	10.00
Total	143	139.70

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	12.85	12.30	CMD
Sewage Effluent	6	5.3	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
PARA CHLORO BENZYL CHLORIDE	0	0.55	MT/A
PARA CHLORO BENZYL CYANIDE	75.890	1.522	MT/A
PARA CHLORO PHENYL ACETIC ACID	0	0.75	MT/A
PARA CHLORO BENZALDEHYDE	0	3.386	MT/A
ORTHO CHLORO BENZYL CHLORIDE	35.809	0.27	MT/A

ORTHO CHLORO BENZYL CYANIDE	0	0.03	MT/A
ORTHO CHLORO PHENYL ACETIC ACID	13.035	1.19	MT/A
METHYL 2CHLORO PHENYL ACCETATE	22.060	0.88	MT/A
ORTHO CHLORO BENZALDEHYDE	0	0.86	MT/A
META CHLORO BENZYL CHLORIDE	35.809	0.17	MT/A
META CHLORO BENZYL CYANIDE	54.193	2.11	MT/A
META CHLORO PHENYL ACETIC ACID	98.518	0.009	MT/A
META CHLORO BENZALDEHYDE	0	0.010	MT/A
2,4 DICHLORO PHENYL ACETYL CHLORIDE	92.736	0.20	MT/A
2,4 DICHLORO BENZALDEHYDE	1.005	0.07	MT/A
2,4 DI SULPHONIC ACID DI SODIUM SALT (P)	0	0.107	MT/A
2,4 DI SULPHONIC ACID DI SODIUM SALT (L)	0	0.319	MT/A
2,5 DI METHYL PHENYL ACETYL CHLORIDE	0	1.22	MT/A
2,4,6 TRI METHYL PHENYL ACETYL CHLORIDE	287.245	0.10	MT/A
ORTHO METHYL BENZYL CHLORIDE	0	0.92	MT/A
ORTHO METHYL BENZYL CYANIDE	0	0.64	MT/A
ORTHO METHYL PHENYL ACETIC ACID	7.181	0.15	MT/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
1,3,5 TRI METHYL BENZENE	290.081	18.007	MT/A
2,4 DI CHLORO BENZYL CHLORIDE	143.492	29.548	MT/A
BENZYL TRI ETHYL AMMONIUM CHLORIDE-	1.198	1.770	MT/A
BLEACHING POWDER	0.166	0.102	MT/A
CAUSTIC SODA FLAKES	424.999	52.195	MT/A
CAUSITC SODA LYE	967.971	101.225	MT/A
FORMALDEHYDE SOLUTION	200.671	121.58	MT/A
HYDROCHLORIC ACID COMMERCIAL	3246.270	399.475	MT/A
LIQUID CHLORINE	205.200	45.995	MT/A
META CHLORO TOLUENE	150.168	3.082	MT/A
METHANOL	20.364	21.922	MT/A
PEG -400	12.116	15.870	MT/A
POTTASSIUM CARBONATE	24.366	25.790	MT/A
SODA ASH	15985	24.434	MT/A
SODIUM BICARBONATE	2.353	3.544	MT/A
SODIUM CYANIDE	337.276	50.086	MT/A
SODIUM SULPHITE	13.950	48.050	MT/A
SULPHURIC ACID	15.294	29.460	MT/A
THIONYL CHLORIDE	512.423	75.177	MT/A
TOLUENE	238.772	34.427	MT/A

TRI ETHYL AMINE	8.670	11.168	MT/A
CATALYST "X"	1.268	0.423	MT/A
DI METHYL FORMAMIDE	0	0.064	MT/A
TETRA BUTYL AMMONIUM BROMIDE -50%	0	6.650	MT/A
ORTHO CHLORO BENZYL CHLORIDE	0	12.032	MT/A
ORTHO CHLORO BENZYL CYANIDE	0	45.990	MT/A
PARA CHLORO BENZYL CHLORIDE	0	46.584	MT/A
META CHLORO BENZYL CHLORIDE	0	297.767	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	7456	6781	MT/A
Agro Waste	7456	0	MT/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	Standard	Reason
	Quantity	Concentration	%variation		
Suspended Solids	0.15	12	0	-	-
BOD	0.25	20	0	-	-
COD	0.84	68	0	-	-
Oil & Grease	0.001	0.1	0	-	-
Total Dissolved Solids	9.84	800	0	-	-
Chloride	0.39	32	0	-	-

[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	Standard	Reason
	Quantity	Concentration	%variation		
PM (Thermic Heater)	9.66	85.4	-	-	-
Sulphur Dioxide (Thermic Heater)	42.8	378.5	-	-	-
PM (DG 380)	4.17	76.0	-	-	-
Sulphur Dioxide (DG 380)	3.86	70.3	-	-	-

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	4.585	3.320	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	4.710	3.470	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
-	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	23	28.5	MT/M

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	3.320	MT/A	Send to MEPL Nagpur
35.3 Chemical sludge from waste water treatment	3.470	MT/A	Send to MEPL Nagpur

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
-	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)
Water	0	0	0	0	80.0	0
Air	0	0	0	0	16.0	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)
-	-	0

[B] Investment Proposed for next Year

<i>Detail of measures for Environmental Protection</i>	<i>Environmental Protection Measures</i>	<i>Capital Investment (Lacks)</i>
Upgradation of ETP	to reduce water pollution	80.0
Air Pollution Control devices	to reduce gases pollution	16.0
Tree Plantation	to control gases pollution	5.30

Part-I

Any other particulars for improving the quality of the environment.

Particulars

B-26,27 & 14,15 M.I.D.C. AREA, Dasarkhed Tal.Malkapur City Malkapur Dist.Buldhana is maintained all rule ,regulation & clean environment & effluent parameters are within limit as per MPCB consent conditions.

Name & Designation

P.N.ZOPE General Manager-Works

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000049045

Submitted On:

29-09-2022