



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000062256

Submitted Date

30-09-2023

PART A

Company Information

Company Name

Benzo Chem Industries Private Ltd.

Application UAN number

Format1.0/AS(T)/UAN No.
0000119715/CR-2110000177 Date 05/10/2021

Address

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

PRALHAD 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 29 2022 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 UOM

5.266 MT/A

PARA CHLORO BENZYL CYANIDE

696

15.895 MT/A

PARA CHLORO PHENYL ACETIC ACID

696

94.543 MT/A

PARA CHLORO BENZALDEHYDE

696

44.603 MT/A

ORTHO CHLORO BENZYL CHLORIDE

696

30.590 MT/A

ORTHO CHLORO BENZYL CYANIDE

696

2.450 MT/A

ORTHO CHLORO PHENYL ACETIC ACID	696	3.020	MT/A
ORTHO CHLORO BENZALDEHYDE	696	60.671	MT/A
META CHLORO BENZYL CHLORIDE	696	26.675	MT/A
META CHLORO BENZYL CYANIDE	696	82.654	MT/A
2,4 DICHLORO PHENYL ACETYL CHLORIDE	696	60.205	MT/A
2,4 DICHLORO BENZALDEHYDE	696	4.921	MT/A
2,4 DI SULPHONIC ACID DI SODIUM SALT (P)	696	2.310	MT/A
2,4 DI SULPHONIC ACID DI SODIUM SALT (L)	696	3.175	MT/A
2,5 DI METHYL PHENYL ACETYL CHLORIDE	696	92.824	MT/A
2,4,6 TRI METHYL PHENYL ACETYL CHLORIDE	696	132.482	MT/A
ORTHO METHYL BENZYL CHLORIDE	696	1.897	MT/A
ORTHO METHYL BENZYL CYANIDE	696	23.112	MT/A
ORTHO METHYL PHENYL ACETIC ACID	696	2.809	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	5	4.87
Domestic	120	120.00
All others	8	7.88
Total	10	10.00
	143	142.75

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	12.85	12.60	CMD
Sewage Effluent	6	5.80	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	1	0.45	MT/A
PARA CHLORO BENZYL CYANIDE	1.522	1.120	MT/A
PARA CHLORO PHENYL ACETIC ACID	0.75	0.68	MT/A
PARA CHLORO BENZALDEHYDE	3.386	2.668	MT/A
ORTHO CHLORO BENZYL CHLORIDE	0.27	0.20	MT/A
ORTHO CHLORO BENZYL CYANIDE	0.03	0.02	MT/A
ORTHO CHLORO PHENYL ACETIC ACID	1.19	1.15	MT/A

ORTHO CHLORO BENZALDEHYDE	0.86	0.72	MT/A
META CHLORO BENZYL CHLORIDE	0.17	0.16	MT/A
META CHLORO BENZYL CYANIDE	2.11	2.09	MT/A
2,4 DICHLORO PHENYL ACETYL CHLORIDE	0.20	0.18	MT/A
2,4 DICHLORO BENZALDEHYDE	0.07	0.06	MT/A
2,4 DI SULPHONIC ACID DI SODIUM SALT (P)	0.107	0.105	MT/A
2,4 DI SULPHONIC ACID DI SODIUM SALT (L)	0.319	0.315	MT/A
2,5 DI METHYL PHENYL ACETYL CHLORIDE	1.22	1.20	MT/A
2,4,6 TRI METHYL PHENYL ACETYL CHLORIDE	0.10	0.08	MT/A
ORTHO METHYL BENZYL CHLORIDE	0.92	0.87	MT/A
ORTHO METHYL BENZYL CYANIDE	0.64	0.65	MT/A
ORTHO METHYL PHENYL ACETIC ACID	0.15	0.14	MT/A

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

<i>Name of Raw Materials</i>	<i>During the Previous financial Year</i>	<i>During the current Financial year</i>	<i>UOM</i>
1,3,5 TRI METHYL BENZENE	18.007	228.217	MT/A
2,4 DI CHLORO TOLUENE	0	10.000	MT/A
BENZYL TRI ETHYL AMMONIUM CHLORIDE-	1.770	3.689	MT/A
BLEACHING POWDER	0.102	0.049	MT/A
CAUSTIC SODA FLAKES	52.195	131.169	MT/A
CAUSITC SODA LYE	101.225	299.356	MT/A
FORMALDEHYDE SOLUTION	121.58	105.575	MT/A
HYDROCHLORIC ACID	399.475	305.564	MT/A
LIQUID CHLORINE	45.995	46.800	MT/A
META CHLORO TOLUENE	3.082	54.311	MT/A
METHANOL	21.922	5.910	MT/A
PEG -400	15.870	9.120	MT/A
SODA ASH	24.434	11.421	MT/A
SODIUM BICARBONATE	3.544	3.693	MT/A
SODIUM CYANIDE	50.086	48.900	MT/A
SODIUM SULPHITE	48.050	6.540	MT/A
THIONYL CHLORIDE	75.177	80.069	MT/A
TOLUENE	34.427	38.613	MT/A
TRI ETHYL AMINE	11.168	7.043	MT/A
CATALYST "X"	0.423	0.189	MT/A
DI METHYL FORMAMIDE	0.064	4.680	MT/A
TETRA BUTYL AMMONIUM BROMIDE -50% SOLN	6.650	5.369	MT/A
PARA FORMALDEHYDE	0	57.150	MT/A
PARA XYLENE	0	118.556	MT/A
SODIUM HYPO CHLORIDE	0	1.020	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	7456	6584	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 Boiler S 1	2.18	14	-	-	-
Sulphur Dioxide (Boiler S1)	42.8	24	-	-	-
PM (DG 1000)	8.42	12	-	-	-
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	3.320	4.454	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	3.470	4.600	MT/A
28.1 Process Residue and wastes	0	54.650	MT/A

Part-E**SOLID WASTES****1) From Process**

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
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2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Coal Ash	28.5	27.0	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	4.454	MT/A	Send to MEPL Nagpur
35.3 Chemical sludge from waste water treatment	4.600	MT/A	Send to MEPL Nagpur
28.1 Process Residue and wastes	54.650	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	82.0	0
Air	0	0	0	0	17.0	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

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Upgradation of ETP	to reduce water pollution	82.0
Air Pollution Control devices	to reduce gases pollution	17.0
Tree Plantation	to control gases pollution	5.50

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

PRALHAD ZOPE General Manager-Works

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000062256

Submitted On:

30-09-2023