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	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000063371	06-11-2023

PART A

Company Information

Company Name	***Application UAN number***
M/s R.K. Engineering Works	UAN No. MPCB-CONSENT-0000139257

Address

Plot No. N-70, Additional Ambernath MIDC, Tal. Ambernath, Dist. Thane.

Plot no	***Taluka***	***Village***
Plot No. N-70	Ambernath	Ambernath
Capital Investment (In lakhs)	***Scale***	***City***
1387	MSI	Ambernath
Pincode	***Person Name***	***Designation***
421506	Mr. Khashaba Mhoparekar	Proprietor
Telephone Number	***Fax Number***	***Email***
9967130444	0	purchase@rkenggworks.in
Region	***Industry Category***	***Industry Type***
SRO-Kalyan II	Red	R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
no	Format1.0/APAE Section/UAN No. MPCB-CONSENT- 0000139257/CO/2206000817	2022-06-16
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2025-05-31	2021	Nov 7 2023 12:00:00:000AM

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

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Hot Dip Galvanizing	12000	8000	MT/A
MS Fabrication	6000	5000	MT/A

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***

NA	0	0	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	3.00	2.60
Cooling	1.00	0.40
Domestic	4.00	2.70
All others	0.00	0.00
Total	8.00	5.70

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily quantity of trade effluent from the factory	2.5	2.1	CMD
Daily quantity of sewage effluent from the factory	2.5	2.2	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
Hot Dip Galvanizing	0	1.5	CMD
MS Fabrication	0	1.1	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
Zinc	0	60	MT/A
Galva Flux	0	90	MT/A
HCL	0	40	MT/A
MS Material	0	0	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
HSD	500	40	Ltr/Hr
PNG (Kg/hr)	100	65	

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		
	Quantity	Concentration	%variation	Standard	Reason
TSS (ETP)	0	0.5	0	100 mg/l	NA
BOD	0	20	0	30 mg/l	NA
COD	0	65	0	250 mg/l	NA
Oil & grease	0	1189	0	10 mg/l	NA

[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		
	Quantity	Concentration	%variation	Standard	Reason
Acid Mist (Galvanizing Bath)	0	6	0	35Mg/Nm3	NA
PM (Galvanizing Bath)	0	20	0	150 mg/Nm3	NA
Acid Mist (Zinc Bath)	0	4	0	35 Mg/Nm3	NA
PM (Zinc Bath)	0	16	0	150 mg/Nm3	NA
PM (DG Set)	0	54	0	150 mg/Nm3	NA
SO2 (DG Set)	0	0.1	0	<0.3Kg/day	NA

Part-D

HAZARDOUS WASTES

1) From Process

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

Part-E

SOLID WASTES

1) From Process

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

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Metal Scrap	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
35.3 Chemical sludge from waste water treatment	0	MT/A	NA

2) Solid Waste

Type of Solid Waste Generated	*Qty of Solid Waste*	*UOM*	*Concentration of Solid Waste*
NA	0	MT/A	NA

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)*
NA	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)*
Environment Management Plan	Environment Management Plan	42

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
Environment Management Plan	Environment Management Plan	42

Part-I

Any other particulars for improving the quality of the environment.

Particulars

ESR: 2022-2023

Name & Designation

Khashaba Mhoparekar & Proprietor

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000063371

Submitted On:

06-11-2023