



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-0000061340

Submitted Date

29-09-2023

PART A

Company Information

Company Name

Tata Steel Limited Plot No. F-7/1

Application UAN number

0000135969

Address

MIDC, Tarapur Industrial Area, Post Box
22, Tarapur Industrial Estate Post Office,
Dist. Palghar, Maharashtra.

Plot no

F-7/1

Taluka

Palghar

Village

Boisar

Capital Investment (In lakhs)

4995

Scale

LSI

City

Boisar

Pincode

401501

Person Name

Mr. Anand Kumar

Designation

Manager - EHS

Telephone Number

9765988208

Fax Number

02525272015

Email

dmokal@tatasteel.com

Region

SRO-Tarapur I

Industry Category

Red

Industry Type

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

yes

Consent Number

Format1.0//UAN
No.0000135969/CR/220900869

Consent Issue Date

2022-09-15

Consent Valid Upto

2025-05-31

Establishment Year

2021

Date of last environment statement submitted

Sep 30 2022 12:00:00:000AM

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

Product Information

Product Name

Wire Product

Consent Quantity

27000

Actual Quantity

9637

UOM

MT/A

Regenerated Acid

23500

10509.31

MT/A

By-product Information

By Product Name

Consent Quantity

Actual Quantity

UOM

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	12.00	5.20
Domestic	133.00	39.20
All others	10.00	1.90
	0.00	0.00
Total	155.00	46.30

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	11	3	CMD
Domestic Effluent	10	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
RA	1	1.54	Ton/Ton

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
Waste Pickled Liquer	1.21	1.39	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
PNG (Kg/H)	417	152	

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		
pH (ETP)	0	0	NA	5.5 to 8.5	ZLD
Oil & GREASE (ETP)	0	0	NA	10	ZLD
BOD (ETP)	0	0	NA	30	ZLD
TOTAL SUSPENDED SOLID (ETP)	0	0	NA	100	ZLD
COD (ETP)	0	0	NA	250	ZLD

[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		
Scrubber outlet - Acid Mist (kL/day)	1.61	7.7	0	35	PNG Fuel
Back Filter outlet - SPM (kL/day)	2.88	14	0	50	PNG Fuel

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	00	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0	00	Nos./Y
Other Hazardous Waste	0	00	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	20.5	31.1	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	1468.22	32.16	MT/A
Structural & Other scrap	0	0	MT/A
Wood scrap	0	1.66	MT/A
Packing Material	0	5.31	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
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5.1 Used or spent oil	0	MT/A	Liquid, Non-corrosive, Authorized Re-cycler
35.3 Chemical sludge from waste water treatment	31.10	MT/A	Solid, Iron content, MWML - Taloja

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Metal Scrap	32.16	MT/A	Trader, Re-cycler
Structural & Other Scrap	0	MT/A	Trader
Wood Scrap	1.66	MT/A	Re-User
Packing Material	5.31	MT/A	Re-User

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)
Candle Filtration	2	0	0	0	0	0
TREE PLANTATION	0	0	0	0	0.20	0
Rain Water Harvesting (Seasonal)	6	0	0	0	2	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)
Stack Emission Monitoring System	Compliance to CTO Requirement	30
Avenue Plantation	Sustainable development and reduction in Carbon dioxide	0.2
Energy Saving in Air Compressor Drier	Reduction in Electricity consumption	4

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Avenue Plantation	Sustainable development and reduction in Carbon dioxide	0.20
Continuous usage of LED Lights	Reduction in Electricity consumption and equivalent carbon dioxide	2

Part-I

Any other particulars for improving the quality of the environment.

Particulars

With the cleaner fuel PNG Gas, emission is controlled.

Name & Designation

Mr. U.R. Desai - Chief - CRC(West)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000061340

Submitted On:

29-09-2023