



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000069592

Submitted Date

13-09-2024

PART A

Company Information

Company Name

TATA STEEL LTD, GLOBAL WIRES INDIA

Application UAN number

0000099827

Address

Plot No A6, Tarapur MIDC

Plot no

A6

Taluka

Palghar

Village

Boisar

Capital Investment (In lakhs)

2527189

Scale

LSI

City

Boisar

Pincode

401506

Person Name

D H Patil

Designation

Plant Head - TWP1

Telephone Number

9225146362

Fax Number

0

Email

Devendra.Patil@tatasteel.com

Region

SRO-Tarapur I

Industry Category

Red

Industry Type

O72 Wire drawing and wire netting

Last Environmental statement submitted online

yes

Consent Number

CAC/UAN No 0000099827/CR-2110001026

Consent Issue Date

2021-10-22

Consent Valid Upto

2025-02-28

Establishment Year

2006

Date of last environment statement submitted

Sep 6 2023 12:00:00:000AM

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

Product Information

Product Name

Steel Wires

Consent Quantity

175000

Actual Quantity

138575

UOM

MT/A

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

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	840.00	700.00
Cooling	1449.00	450.00
Domestic	100.00	80.00
All others	20.00	20.00
Total	2409.00	1250.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Domestic effluent	100	75	CMD
Trade effluent	800	680	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
Steel Wires	1.77	3.13	

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
Wires	1.01	1.03	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
PNG	408	334	SCM/Hr

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)	425	7	0	5.5-8.5	Not Applicabl
Oil & grease (ETP)	425	0	0	10	Not Applicabl
BOD (ETP)	425	27	0	30	Not Applicabl
TSS (ETP)	425	18	0	100	Not Applicabl
TDS	425	1945	0	2100	Not Applicabl
COD (ETP)	425	80	0	250	Not Applicabl
Zinc (ETP)	425	0	0	5	BDL
Lead (ETP)	425	0.005	0	2	Not Applicabl
Iron as Fe (ETP)	425	1.18	0	3	Not Applicabl

[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
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	Quantity	Concentration	%variation	Standard	Reason
SPM for Boiler	1.98	11	0	50	Not Applicable
SPM from Galvanizing Line Lead Bath-1	0.576	12	0	50	Not Applicable
SPM from Galvanizing Line Lead Bath-2	0.432	9	0	50	Not Applicable
SPM from Patenting Furnace TWP-1	0.672	8	0	50	Not Applicable
SPM from Patenting Lead Bath TWP-1	0.252	7	0	50	Not Applicable
Acid Mist from Pickling line scrubber	13.05	16	0	35	Not Applicable
Acid Mist from Plating line scrubber	1.224	17	0	35	Not Applicable

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	2079	2051	MT/A
9.2 Lead ash or particulate from flue gas	258.73	173.64	MT/A
12.5 Phosphate sludge	199	194	MT/A
12.2 Spent acid and alkali	8874	8753	MT/A
5.1 Used or spent oil	44.2	1.85	MT/A
6.3 Other residues from processing of zinc ash or skimmings	459.32	310.6	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	2079	2051	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Garbage	127.7	164.06	MT/A
Metal scrap	199.73	284.51	MT/A
Non Metal scrap	21	50	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Not Applicable	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	2051	MT/A	Disposed to Authorised TSDF. Moisture is 45% (avg) with 14% calcium; 9% Iron; 9.5% Phosphate; 1% Zinc, Lead, Sodium and Sulphat on avg.

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Metal Scrap	284.51	MT/A	Disposed to Recycler through Auction process. Main concentration is Steel and Iron Scrap more than 95%.

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)
NA	NA	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Online Stack Monitoring system installation, RHW study and implementation etc	Continuous Stack emission Monitoring (SPM); RHW methods	20

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Green belt development, installation of OCEMS, Rain water harvesting study and method implementation, regular environment parameters monitoring, Ongoing house keeping process, effective operation of all Pollution control equipments etc

Name & Designation

D H Patil - Plant Head, TWP#1

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000069592

Submitted On:

