



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-0000074124

Submitted Date

30-09-2024

PART A

Company Information

Company Name

Tata Steel Limited - Cold Rolling Complex
(West)

Application UAN number

0000106989

Address

Plot No. S-76, MIDC, Tarapur Industrial
Area, Post Box 22, Tarapur Industrial
Estate Post Office, Dist. Palghar,
Maharashtra.

Plot no

S-76

Taluka

Palghar

Village

Boisar

Capital Investment (In lakhs)

14337.34

Scale

LSI

City

Boisar

Pincode

401506

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/CAC/UAN
No.0000106989/CR2202000726

Consent Issue Date

2022-02-11

Consent Valid Upto

2024-02-28

Establishment Year

1993

Date of last environment statement submitted

Sep 30 2023 12:00:00:000AM

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

Product Information

Product Name

Cold Rolled Steel Coils & Sheet

Consent Quantity

210000

Actual Quantity

209783

UOM

MT/A

Hot Rolled Pickled Skin Passed Coil

90000

89408

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 Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	200.00	79.00
Domestic	510.00	267.00
All others	21.00	21.00
Total	0.00	0.00
	731.00	367.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	200	104.50	CMD
Domestic Effluent	17	16.2	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
Combined Product - Cold Rolled Steel Coils and sheet and Hot Rolled Pickled Skin Passed Coils	0.37	0.45	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
Regenerated HCL Acid	0.0326	0.0338	Ton/Ton
Rolling Oil	0.000199	0.000287	Ton/Ton
Alkali	0.000273	0.000159	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
PNG (MT/D)	21	12.08	MT/A
HSD (LTR/A)	2400	1200	Ltr/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	0	NA	100	WE ARE ZLD HENCE NO DISCHARGE

BOD	0	0	NA	30	WE ARE ZLD HENCE NO DISCHARGE
COD	0	0	NA	250	WE ARE ZLD HENCE NO DISCHARGE
Oil & Grease	0	0	NA	10	WE ARE ZLD HENCE NO DISCHARGE
pH	0	0	NA	5.5-8.5	WE ARE ZLD HENCE NO DISCHARGE
Heavy Metal - Lead	0	0	NA	0	WE ARE ZLD HENCE NO DISCHARGE
Heavy Metal - Zinc	0	0	NA	0	WE ARE ZLD HENCE NO DISCHARGE
Heavy Metal - Iron	0	0	NA	0	WE ARE ZLD HENCE NO DISCHARGE
Heavy Metal - Copper	0	0	NA	3	WE ARE ZLD HENCE NO DISCHARGE

[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		
Aquatherm - I Sulphur Dioxide - Kg/Day	0.42	10	0	30	PNG FUEL
Aquatherm - I Particulate Matter - Kg/Day	0.963	12	0	50	PNG FUEL
Acid Fume Scrubber - Acid mist - Kg/Day	7.4	18.6	0	35	APC System
Alkaline Fume Scrubber SO2/SPM - Kg/Day	0	0	0	0	Caustic Scrubber
D.G. Set - 250 KVA SO2 - Kg/Day	9.5	553.6	0	30	STANDBY UNIT
D.G.Set - 250 KVA - SPM - Kg/Day	0.187	12	0	50	STANDBY UNIT
Boiler - So2 - Kg/Day	0.5	3.716	0	50	PNG Fuel
Boiler - SPM - Kg/Day	1.24	14	0	30	PNG Fuel
4 Hi Mill - 1 No. Chimney with Air Exhaust Blower	0	0	0	0	Air Exhaust Blower

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	3.37	0.58	MT/A
12.1 Acidic and alkaline residues	10272.19	10492.90	MT/A
5.2 Wastes or residues containing oil	259.24	206.53	MT/A
3.3 Sludge and filters contaminated with oil	00	0.97	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	00	696	Nos./Y

Other Hazardous Waste	00	1.70	MT/A
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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	335.35	335.70	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	12867.50	34269	MT/A
Wood & Paper Scrap	50.95	12.61	MT/A
HDPE Plastic Packing Material	3.63	19.53	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
5.1 Used or spent oil	0.58	MT/A	Liquid, Non-corrosive, Authorized Re-cycler
12.1 Acidic and alkaline residues	10492.90	MT/A	Liquid, Corrosive, Authorized Processor
35.3 Chemical sludge from waste water treatment	335.70	MT/A	Solid, Iron content, MWML Taloja
5.2 Wastes or residues containing oil	206.53	MT/A	Solid, Non-corrosive, Authorized Processor
3.3 Sludge and filters contaminated with oil	0.97	MT/A	Liquid, Oily Sludge, MWML Taloja
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	696	Nos./Y	Barrels containing Oil
Other Hazardous Waste	1.7	MT/A	Any type

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Metal Scrap	34269	MT/A	Trader , Re-cycler
Wood & Paper scrap	12.61	MT/A	Re-User
HDPE Plastic Packing Material	19.53	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)
REVERSE OSMOSIS	95	0	0	0	0	0
REPLACEMENT LED LAMPS	0	0	0	3000	3	0
TREE PLANTATION	0	0	0	0	1	0
Rain Water Harvesting (Seasonal)	12	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)
Continous usage of LED Lights	Reduction in Electricity consumption and equivalent carbon dioxide	3
Avenue Plantation	Sustainable development and reduction in Carbon dioxide	1

[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	13
Continous usage of LED Lights	Reduction in Electricity consumption and equivalent carbon dioxide	5

Part-I

Any other particulars for improving the quality of the environment.

Particulars

With the cleaner fuel PNG Gas, emission is controlled. With RO System, treated effluent id recycled ad reused with ZLD. Environment cell is developed in factory. With LED lighting, electricity saved.

Name & Designation

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

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000074124

Submitted On:

30-09-2024