



# Maharashtra Pollution Control Board

## महाराष्ट्र प्रदूषण नियंत्रण मंडळ

### FORM V

(See Rule 14)

#### Environmental Audit Report for the financial Year ending the 31st March 2025

##### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000085235

##### Submitted Date

23-09-2025

### PART A

#### Company Information

**Company Name** **Application UAN number**

Tata Steel Limited 0000160053

#### Address

VILLAGE -SAVROLI, TAL -  
KHALAPUR, Po-SAJGAON ,DIST-  
RAIGAD

**Plot no** **Taluka**  
19/2A KHALAPUR

**Village**  
SAVROLI

**Capital Investment (In lakhs)** **Scale**  
223987 LARGE

**City**  
SAVROLI

**Pincode** **Person Name**  
410203 Mr. Kapil Modi

**Designation**  
Executive Plant Head

**Telephone Number** **Fax Number**  
02192302000 02192302000

**Email**  
environment.khopoli@tatasteel.com

**Region** **Industry Category**  
SRO-Raigad I 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** **Consent Number**  
yes Format 1.0/BO/UAN No. -  
0000160053/CR/2306001509909000459

**Consent Issue Date**  
2023-06-21

**Consent Valid Upto** **Establishment Year**  
2030-02-28 2003

**Date of last environment statement submitted**  
Sep 24 2024 12:00:00:000AM

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

#### Product Information

##### Product Name

Cold rolled products(Coils,Sheet&Tubes)

Consent Quantity	Actual Quantity	UOM
780000	335865.715	MT/A

Tubes,API Pipe,CAsting Pipe,Pipe for low pressure service,Round pipe&Tube for mechanical and structural pipe and square structure pipe

285000	205657.31	MT/A
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**By-product Information**

<b>By Product Name</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
NA	0	0	MT/A

**Part-B (Water & Raw Material Consumption)****1) Water Consumption in m3/day**

<b>Water Consumption for Process</b>	<b>Consent Quantity in m3/day</b>	<b>Actual Quantity in m3/day</b>
<b>Cooling</b>	1500.00	543.00
<b>Domestic</b>	1160.00	149.00
<b>All others</b>	400.00	284.00
<b>Total</b>	150.00	36.00
	3210.00	1012.00

**2) Effluent Generation in CMD / MLD**

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
TRADE EFFLUENT	290	235	CMD
DOMESTIC EFFLUENT	300	212	CMD

**2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)**

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Cold rolled products(Coils,Sheet&Tubes) ; Tubes,API Pipe,CAsting Pipe,Pipe for low pressure service, Round pipe&Tube for mechanical and structural pipe and square structure pipe and Captive Power P	0.28	0.23	

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

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
HR COIL	0.99	1.21	Ton/Ton
ZINC	0.0054	0.0067	Ton/Ton
PAINT FOR CCL	0.0039	0.0047	Ton/Ton
PAINT FOR PIPE	0.0064	0.0038	Ton/Ton
ALUMINIUM	0.0097	0.0122	Ton/Ton
HYDROCHLORIC ACID	0.0045	0.0063	Ton/Ton

**4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
LNG	18746.40	14914	MT/A
FURNACE OIL	0	0	MT/A
LSHS	54750	930	MT/A

**Part-C****Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)**

**[A] Water**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	
				<b>Quantity</b>	<b>Concentration</b>
SUSPENDED SOLIDS (STP)	0.06	35.14	-29.71	50	Full Fled STP
BOD 3DAY 27C(STP)	0.03	15.70	-47.66	30	Full Fledged STP
COD(STP)	0.10	54.31	-45.69	100	Full Fledged STP

**[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	
				<b>Quantity</b>	<b>Concentration</b>
NON OX FURNACE (GAL.- I) PM	4.60	22.7	-77.30	150	LNG Gas
NON OX FURNACE (GAL.-I I) PM	3.83	18.2	81.80	150	LNG Gas
POT FURNACE GAL-I(PM)	1.78	24.0	-75.99	150	LNG Gas
RTF SECTION GAL-II(PM)	4.90	16.7	-83.29	150	LNG Gas
COATER SECTION (CCL)-PM	28.09	29.9	-70.12	150	LNG Gas
D.G& BOILER(PM)	100.70	29.5	-70.52	150	LSHS as Fuel Gas
D.G& BOILER(SO2)	0.34	0.10	-99.90	400	LSHS AS FUEL
SHEET ANNEALING(PM)	0	0	0	150	LNG Gas
HARDENING FURNACE-I(PM)	0.08	24.3	-75.72	150	LNG Gas
HARDENING FURNACE-II(PM)	0	0	0	150	LNG Gas
HARDENING FURNACE-III(PM)	0.09	24.8	-75.23	150	LNG Gas
HARDENING FURNACE-IV(PM)	0.06	24.4	-75.59	150	LNG Gas
TUBE ANNELING I(PM)	0.91	28.7	-71.28	150	LNG Gas
TUBE ANNELING II(PM)	0.74	20.7	-79.34	150	LNG Gas
WIDER PICKLING(PM)	2.75	23.03	-76.97	150	WET SCRUBBER
WIDER PICKLING(ACID MIST)	0.002	0.02	-99.98	35	WET SRUBBER
NARROW PICKLING(PM)	1.34	26.18	-73.82	150	WET SRUBBER
NARROW PICKLING(ACID MIST)	0.001	0.01	-99.99	35	WET SRUBBER
6HI MILL I, WIDER(PM)	44.80	19.8	-80.23	150	BLOWER WITH VENT
6HI MILL II, WIDER(PM)	45.35	21.6	-78.38	150	BLOWER WITH VENT
4HI MILL I, NARROW(PM)	10.16	24.0	-76.03	150	BLOWER WITH VENT
4HI MILL II, NARROW(PM)	9.44	21.6	-78.45	150	BLOWER WITH VENT
4HI MILL III, NARROW(PM)	9.26	20.3	-79.72	150	BLOWER WITH VENT
ALKALI SCRUBBER WIDER(PM)	1.89	19.0	-81.02	150	Scrubber

HOT AIR DRYER I , WIDER(PM)	2.28	20.6	-79.40	150	BLOWER WITH VENT
HOT AIR DRYER II , WIDER(PM)	3.73	17.0	-83.03	150	BLOWER WITH VENT
ACID FUME SCRUBBER,ARP(PM)	2.52	20.4	-79.65	35	WET SCRUBBER
ACID SCRUBBER,TUBE(PM)	2.31	25.5	-74.52	150	WET SCRUBBER
ACID SCRUBBER,TUBE(ACID MIST)	0.002	0.02	-99.98	35	WET SCRUBBER
PHOSPHATE SCRUBBER,TUBE(PM)	2.65	16.3	-83.73	150	WET SCRUBBER
LEAD BATH STRAPPING LINE I(PM)	4.52	25.2	-74.75	150	BLOWER WITH VENT
LEAD BATH STRAPPING LINE II(PM)	4.41	19.7	-80.34	150	BLOWER WITH VENT
COATING PLANT I, PIPE PLANT(PM)	0.03	25.0	-75.03	150	BLOWER WITH VENT
COATING PLANT II, PIPE PLANT(PM)	0.35	24.4	-75.64	150	BLOWER WITH VENT
COATING PLANT III, PIPE PLANT(PM)	0.31	21.3	-78.69	150	BLOWER WITH VENT
COATING PLANT IV, PIPE PLANT(PM)	0.37	24.0	-75.96	150	BLOWER WITH VENT
ACID SCRUBBER,ARP(ACID MIST)	0.002	0.02	-99.98	35	LNG Gas

## 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	8	16.5	MT/A
5.2 Wastes or residues containing oil	704	546.062	MT/A
6.2 Zinc fines or dust or ash or skimmings in dispersible form	614	464.11	MT/A
13.1 Spent pickling liquor	16339.84	17202	KL/A
12.4 Sludge from bath containing organic solvents	68	32.05	MT/A
12.5 Phosphate sludge	38	29.29	MT/A
21.2 Spent solvent	7.9	17.56	MT/A
21.1 Process wastes, residues and sludges	18	42.48	MT/A
33.2 Contaminated cotton rags or other cleaning materials	65	67.805	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	2564	9901	Nos./Y
Other Hazardous Waste	5.730	8.53	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	1924.08	1431.72	MT/A

## Part-E

**SOLID WASTES****1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
METAL SCRAP/TUBE/PIPES END/ EDGE MILLING/STRIP CUT PIECES/CUTTING SCRAP	65249.37	58748.02	MT/A

**2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
IRON OXIDE	2493.32	2528.91	MT/A

**3) Quantity Recycled or Re-utilized within the unit**

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
12.1 Acidic and alkaline residues	15130.84	15882.35	KL/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**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	16.5	MT/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
5.2 Wastes or residues containing oil	536.95	MT/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
6.2 Zinc fines or dust or ash or skimmings in dispersible form	464.11	MT/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
13.1 Spent pickling liquor (Spent Acid )	1307.655	KL/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
13.1 Spent pickling liquor (Chromic Acid )	12.29	KL/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
12.4 Sludge from bath containing organic solvents	32.05	MT/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
12.5 Phosphate sludge	29.49	MT/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
21.2 Spent Solvent	17.56	MT/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
21.1 Process wastes, residues and sludges	42.48	MT/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
35.3 Chemical sludge from waste water treatment	1431.72	MT/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
33.2 Contaminated cotton rags or other cleaning materials	67.805	MT/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	9901	Nos./Y	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER
Other Hazardous waste (Class -C Waste Glass Wool)	8.53	MT/A	MPCB RECOGNIZED AUTHORIZED PROCESSOR/RECYCLER

**2) Solid Waste**

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
METAL SCRAPER/PIPS END/STIP CUT PIECES/EDGE MILLING SCRAP/INSIDE/OUTSIDE BEAD CUTTING SCRAP	58748.02	MT/A	AUTHORIZED PROCESSOR/RECYCLER
IRON OXIDE	2528.91	MT/A	AUTHORIZED PROCESSOR/RECYCLER

## 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)
ARP,ETP&STP O&M,Disposal to landfilling, AMC , Monitoring etc	0.23	0	0	0	2719	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)
Operation and Maintenance of ETP,STP ,Disposal of waste to land filling, AMC,CMC, Env. Monitring, LDP, MILLS and TUbe STP, Bag filters	Treatment of Sewage and effluents	2719
Cost of Environmental Monitoring	Monitoring of parameters	34
Two HCL Online Monitoring at WCRM and Tube STP stack	HCL measurement	75
AAQMS-2	Ambient Air down stream monitoring	58
Replacement of Sugar cane to nitrogen automiserHazardous waste disposal	Stop sugarcane waste and disposal to land filling	20
STP water treatment Through RO	Utilization in process	10
Biodiversity study	Biodiversity conservation	8
5000 saplings planted	Green Belt	25
Installed CCL Thinner Recovery Unit	Reduction of Waste Thinner under Circular Economy	80
Developed Butter fly Garden	Biodiversity conservation	20
Biogas Plant established	Solid Waste Management under Circular Economy	25
Bird nest and Bird Bath	Biodiversity conservation	5
Study of green belt	green belt development	15
Biodiversity study	Biodiversity conservation	20

***[B] Investment Proposed for next Year***

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Rainwater harvesting pond	conservation and utilisation of rain water	800
Study of Soil and Hydrogeology	Study	20
Zero Land filling of Hazardous Waste	Hazardous and Solid waste Management	95

Two online Effluent Quality Monitoring Station at STP	Reduction of Carbon and energy	40
High resolution camera for ZLD	ZLD compliance	14
2000 sapling plantation	carbon offset	5
Storage shed for color drums	Waste Management	20
Miscellaneous	environment safe guird	15
Hazardous Waste Study	Waste Management	20
Renovation of MEEP	Reduction of Carbon and energy	1000

## Part-I

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### **Any other particulars for improving the quality of the environment.**

#### **Particulars**

Improving the reduction of Co2 by using solar power, offsetting through green belt , Zero Waste Land filling , Waste Reduction and Energy saving

#### **Name & Designation**

Mr.Kapil Modi, Executive Plant Head

#### **UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000085235

#### **Submitted On:**

23-09-2025