



Date:-08.09.2023

To,

The Regional Officer (Dhar)  
Madhya Pradesh Pollution Control Board  
Vikash Bhaban Pithampur dist. Dhar (MP)

**Sub:- Submission of Environmental Statement for the year -2022-2023.**

Dear Sir,

We are submitting here with the Environment statement report year 2022-2023.

Kindly acknowledge receipt.

Thanking you Sir,



Yours faithfully,  
For Tata Steel Ltd.  
(Pithampur Wire Plant)

**TATA STEEL LIMITED**

Indore Wire Plant

Near Fort Indore 452 006 Madhya Pradesh

Tel 91 731 669 9600 241 1945 Fax 91 731 669 9629

Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India

Tel 91 22 6665 8282 Fax 91 22 6665 7724

CIN L27100MH1907PLC000260 website www.tatasteel.com

**ENVIRONMENTAL STATEMENT  
FOR THE YEAR - 2022-2023**

SUBMITTED BY

**M/S TATA STEEL LIMITED  
(Pithampur Wire Plant)  
Plot No. 158 & 158A, Sector- III  
PITHAMPUR  
Dist. Dhar (M.P.) - 454775**



**FORM – V****ENVIRONMENTAL STATEMENT**FOR THE YEAR ENDING THE 31<sup>ST</sup> MARCH 2022

(i)	<b>Name &amp; Address of the owner/Occupier of the process</b>	<b>Mr. T.V. Narendran Managing Director , TATA Steel Ltd.</b>
(ii)	<b>Industry Category - Primary (STC Code) - Secondary (STC Code)</b>	Large Scale Industry.
(iii)	<b>Production Capacity</b>	Low Relaxation PC Wire – 55200 MT PC Wire—26400 MT Shutter wire-12000 MT Single LRPC – 7800 MT
	<b>Total Production (FY 2022-2023)</b>	LRPC -53987.425 MT PC WIRE -12729.819 MT Shutter wire- 11130 MT Single LRPC – 6145.677 MT  Total - 83992.921MT
(iv)	<b>Year of Establishment</b>	1995
(v)	<b>Date of the two last Environmental Statement submitted</b>	23.09.2021 26.09.2022
(vi)	<b>Validity period of Water Consent</b>	30.11.2023
(vii)	<b>Validity period of Air consent</b>	30.11.2023
(viii)	<b>Validity of authorization under Hazardous Waste Rules</b>	30.11.2027

**PART – B**

(i) <b>Water consumption M<sup>3</sup> /day</b> <b>Process</b> <b>Cooling</b> <b>Domestic</b>	120 M <sup>3</sup> /day (Average) 50 M <sup>3</sup> /day (Average) 30 M <sup>3</sup> /day (Average)	
<b>Name of the Product</b>	<b>Process water consumption per unit of product out put</b>	
	<b>During the Financial year (2021-2022)</b>	<b>During the Financial year (2022-2023)</b>
<b>High carbon Steel wires</b>	669.38 Ltr. /MT	493 Ltr./MT
(ii) <b>Raw material consumption</b>		
<b>Name of the raw material &amp; Name of Product</b>	<b>During the Previous Financial year (2021-2022)</b>	<b>During the Previous Financial year (2022-2023)</b>
<b>Wire rods</b>	100407.26	98635.987
<b>HCl</b>	1888.09 MT	1594.05MT
<b>Bonder</b>	164488 KG	151125KG
<b>Borax</b>	29050 KG	35100KG
<b>Lead</b>	35023 KG	17061kg



### PART- C

(Pollution discharged to environment / Unit of output)  
(Parameters as specified in the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutant discharged (mass/day)	Percentage of Variation from prescribed Standards with reasons
<b>(A) Water</b>	Zero Discharge Domestic effluent treated at STP. Reuse in final treated water mixing.	Month .June.2023 pH 7 BOD 11 mg/L COD 40.16 mg/L TDS 1432 mg/L	Variation are well within prescribed limit
	Zero Discharge Process water Is treated in own ETP and treated water is being reused for primary washing of wires, acid dilution and cooling purpose	pH 8.80 COD 33.15mg/L TDS 2064 mg/L	Variation are well within prescribed limit
	Spent acid 2.0 m3/day is treated separately.	Zero discharge is maintained. The treated water is evaporated in evaporation pond	The PWP operates at Zero Discharge. PWP has fully equipped ETP facility to treat the acid used in plant
<b>(B) Air</b>	Stack attached with hot water generator fired with LPG, PCS furnace fired with Furnace Oil. The height of Chimney in both cases is 30m & dia 250mm.	Air monitoring results Month of July.2023 PM10- 52.38 PM2.5- 28.33 No2-22.48 SO2-19.79 CO.- 539.91 Stack Boiler Stack, PM (mg/nm3)-52.68 Acid Mist Stack -10.37	Well within the prescribed limits.

## PART – D

### HAZARDOUS WASTES

[As specified under Hazardous Waste Rules, 1989  
& Amendment Rules, 2008]

Hazardous Waste	Total Quantity (Kg)	
	During the Financial year (2021-2022)	During the Financial year (2022-2023)
ETP Sludge(34.3)	856.170 MT	530.17 MT
Waste Oil(5.1)	00	24.44 MT <small>We have not dispatched in last 3 years due to pandemic situation</small>
Discarded Containers(33.3)	11.290 MT	12.11 MT
Lead Ash(9.2)	10 MT	15 MT
Phosphate Sludge(12.5)	78.71 MT	18.09 MT
Spent Acid	2022.94 MT	1611.54 MT

## PART– E

### SOLID WASTES

Solid waste	Total Quantity (Kg)	
	During the Financial year (2021-2022)	During the Financial year (2022-2023)
Iron scrap	1936.67 MT	2052.754mt

## PART – F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

**ETP sludge:** Dried sludge method of collection HDPE Bags and method of disposal to TSDF M.P. Waste management Pithampur.

**Phosphate Sludge-** Dried sludge method of collection HDPE Bags and method of disposal to TSDF M.P. Waste management Pithampur.

**Discarded Containers-** Disposal through the MPPCB Authorized vendor Baba Metals Indore.



**Spent Acid:** Reuse by the MPPCB Authorized vendor. (M/s Karsoma biochem Pvt ltd, Pithampur.)

**Lead Ash:** - Method of collection HDPE Bags and method of disposal sold to through MPPCB vendor/s Nopal Industry

**Iron scrap:** Sold through auction as per company procedure.

### PART – G

**Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.**

S.No	Description	FY-22	FY-23	Remarks
1.	Plantation	245	1832	

### PART-H

**Additional measures investment proposal for environmental protection including abatement of pollution, prevention of pollution**

- 1) Planned to sell WPL to be used as raw material for Ferric Chloride production. Maximizing of WPL disposal to krosoma bio Chem Pithampur.
- 2) Use of Water based Droumos Oil for oiling LRPC Strands in place of Rustnil oil to reduce the oil consumption & associated hazardous drum waste generation.
- 3) Planned to Purchased Bonder Chemical in 1 KL Packed Drum to reduce the discarded container Hazardous waste.

PART - I

**Any other particular for improving the quality of environment.**

1. Every year on 5<sup>th</sup> of June world Environment day is celebrated. Environmental Awareness programs are arranged every year. The environmental data is monitored online at Head Office level on monthly basis.
2. SGA competitions are arranged on monthly basis for motivating workers to embrace 5S techniques for better work environment within the Factory premises.
3. Environmental Awareness programs are arranged every year.
4. Plant is certified EMS -14001-2015 for Improving environment management system.
5. Personal foot print calculator-Target for tree plantation.
6. Mat Project for reduction in power, fuel, and consumables consumption.

Date: 8/09/2023



(Signature)