To,
The Regional Officer (Dhar)
Madhya Pradesh Pollution Control Board
Scheme No. 78-C-II, Plot No. 01
Aranya, Indore(MP)

Date-05.09.2024

Sub:- Submission of Form No. 5 Environmental Statement for the year 2023-2024.

Dear Sir,

We are submitting here with the Form No. 5 Environmental Statement for the year 2023-2024.

Kindly acknowledge receipt.

TATA STEEL LIMITED * PITHAMPUR *

क्षेत्रीय कार्यालय
म.प्र. प्रदूषण नियंत्रण बोर्ड
पीथमपुर, जिला धार (म.प्र.)
आवक क्र. 05/09/24
दिनांक

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

A. Environment Statement (Form-V) Uploaded in XGN on 10/09/2024 10:04:21 from IP No: 136.226.232.85.
B. 18385-Tata Steel Limited accepts the LEGAL responsibility
and undertakes that the furnished information is CORRECT & ACCURATE.

ENVIRONMENTAL STATEMENT FOR THE YEAR - 2023-2024

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 31st MARCH 2022

(i)	Name & Address of the owner/Occupier of the process	Mr. T.V. Narendran Managing Director , TATA STEEL LTD.
(ii)	Industry Category - Primary (STC Code) - Secondary (STC Code)	Large Scale Industry.
(iii)	Production Capacity	Steel Wire – 180000 MT
	Total Production (FY 2023-2024)	127233 MT
(iv)	Year of Establishment	1995
(v)	Date of the two last Environmental Statement submitted	26.09.2022 18.09.2023
(vi)	Validity period of Water Consent	31.05.2027
(vii)	Validity period of Air consent	31.05.2027
(viii)	Validity of authorization under Hazardous Waste Rules	31.05.2028

PART – B

(i) Water consumption M^3 /day Process Cooling Domestic	150 M^3/day (Average) 52.5 M^3/day (Average) 30 M^3/day (Average)	
	Process water consumption per unit of product out put	
Name of the Product	During the Financial year (2022-2023)	During the Financial year (2023-2024)
High carbon Steel wires	493 Ltr. /MT	424 Ltr./MT
(ii) Raw material consumption		
Name of the raw material & Name of Product	During the Previous Financial year (2022-2023)	During the Previous Financial year (2023-2024)
Wire rods	98635.987MT	130834.721
HCl	1594.05 MT	1611.18MT
Bonder	151125 KG	189950KG
Borax	35100 KG	37650KG
Lead	17061 KG	6002KG

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
(A) Water	Zero Discharge Domestic effluent treated at STP. Reuse in final treated water mixing. .	Month .Aug.2024 pH 7.1 BOD 12.50 mg/L COD 48 mg/L TDS 895 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 8.10 COD 152mg/L TDS 1354 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) Air	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 Aug.2024 PM10- 0.066mg/m3 PM2.5- 0.049 No2-0.031 SO2-.0.017 CO.- bdl(dl1.15) Stack Boiler Stack, PM (mg/nm3)-18.30 Acid Mist Stack -13.97	Well within the prescribed limits.

PART – D

HAZARDOUS WASTES

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

Hazardous Waste	Total Quantity (MT)	
	During the Financial year (2022-2023)	During the Financial year (2023-2024)
ETP Sludge(34.3)	530.17 MT	348.59 MT
Waste Oil(5.1)	24.44 MT (During pandemic situation we have not dispatch in last 3 years)	0
Discarded Containers(33.3)	12.11 MT	11.95 MT
Lead Ash(9.2)	15 MT	9.91MT
Phosphate Sludge(12.5)	18.09 MT	62.06 MT
Spent Acid	1611.54 KL	1733.25 MT

PART– E

SOLID WASTES

Solid waste	Total Quantity (Kg)	
	During the Financial year (2022-2023)	During the Financial year (2023-2024)
Iron scrap	**2052.754 MT**	**3442.557 MT**

PART – F

Please specify the characterization (in terms of co position 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 Nobal 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-23	FY-24		Remarks
	1) **Hazardous Waste**				
1.	Plantation	1832	2300		

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 Dromous Oil for oiling LRPC Strands in place of Rust nil oil to reduce the oil consumption & associated hazardous drum waste generation.

3) Implemented 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 5th 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: **(Signature)**

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