

**ENVIRONMENTAL STATEMENT
FOR THE YEAR - 2019-2020**

SUBMITTED BY

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

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

[Handwritten Signature]
15/06/20

FORM – V

ENVIRONMENTAL STATEMENT

FOR THE YEAR ENDING THE 31st MARCH 2020

(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	Low Relaxation PC Wire – 55200 MT PC Wire—26400 MT Shutter wire-12000 MT Single LRPC – 650 MT/Month
	Total Production (FY 2018-2019)	LRPC -45770.243 MT PC WIRE -23219.551 MT Shutter wire- 10760.622 MT Single LRPC – 6121.978 MT Total - 85872.394MT
(iv)	Year of Establishment	1995
(v)	Date of the two last Environmental Statement submitted	23.09.2019
(vi)	Validity period of Water Consent	30.11.2020
(vii)	Validity period of Air consent	30.11.2020
(viii)	Validity of authorization under Hazardous Waste Rules	30.11.2022

PART – B

(i) Water consumption M³ /day		
Process	150 M ³ /day (Average)	
Cooling	52.50 M ³ /day (Average)	
Domestic	30 M ³ /day (Average)	
	Process water consumption per unit of product out put	
	During the Financial year (2018-2019)	During the Financial year (2019-2020)
Name of the Product		
High carbon Steel wires	623.84 Ltr. /MT	628 Ltr./MT
(ii) Raw material consumption		
	During the Previous Financial year (2018-2019)	During the Previous Financial year (2019-2020)
Name of the raw material & Name of Product		
Wire rods	89306 MT	90647.457 MT
HCl	2217.7MT	1988.835MT
Bonder	174025Ltr	172545Ltr
Borax	30.2 MT	30.575 MT
Lead	33.477 MT	30.542 MT

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 .Apr.19 pH 7.86 BOD 14 mg/L COD 153.6 mg/L TDS 1688 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 7.86 COD 153.6 mg/L TDS 1688 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 NOX-19,PM10-91.66,SO2-6.99 Stack Month of APR-2019 Boiler Stack, PM (mg/nm3)-17.96 Month of Apr.2019 Acid Mist Stack -39.20	Well within the prescribed limits.

Analysis reports of Air & Water monitoring is enclose

PART – D

HAZARDOUS WASTES

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

Hazardous Waste	Total Quantity (Kg)	
	During the Financial year (2018-2019)	During the Financial year (2019-2020)
ETP Sludge(34.3)	1406.69 Mt	783.62
Waste Oil(5.1)	00 Mt	00
Discarded Containers(33.3)	22.465 Mt	12.90
Lead Ash(9.2)	15 mt	14.95
Phosphate Sludge(12.5)	190.93 Mt	166.50
Spent Acid	1894.32 mt	2281.97

PART– E

SOLID WASTES

Solid waste	Total Quantity (Kg)	
	During the Financial year (2018-2019)	During the Financial year (2019-2020)
Iron scrap	1964.889 MT	1923.447mt

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 Satyamitra sales 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 Noyal 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-19	FY-20	Re
	1) Hazardous Waste			
1.	Plantation	850	92	

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 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)