



EMD/C-23/210/19
September 20th, 2019

Shubhanand Mukesh
Head Environment Management

The Member Secretary
Jharkhand State Pollution Control Board
T.A. Division Building, HEC Campus, Dhurwa
RANCHI - 834004

**Subject: Environmental Statement 2018-2019 for Cold Rolling Mill
Complex of Tata Steel Limited at Bara, Jamshedpur**

Dear Sir,

This has reference to the captioned subject. Please find enclosed the "**Environmental Statement**" for Cold Rolling Mill Complex of Tata Steel Limited at Bara, Jamshedpur for the year 2018-2019 duly filled in the prescribed format is enclosed for your kind consideration.

Thanking you

Yours faithfully,
For Tata Steel Limited

Shubhanand Mukesh
Shubhanand Mukesh
Head, Environment Management



Encl: As Above

Copy to: Regional Officer, Jharkhand State Pollution Control Board,
Adityapur, Jamshedpur - 831 013

TATA STEEL LIMITED

Environment Management Jamshedpur 831 001 India
Tel 91 657 2424125 6644859 e-mail shubhanand.mukesh@tatasteel.com
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

**ENVIRONMENTAL STATEMENT
FOR THE YEAR 2018-2019**

**Cold Rolling Mill Complex, Bara
TATA STEEL LIMITED**

Submitted by:

TATA STEEL LIMITED

JAMSHEDPUR-831001

JHARKHAND

[Form V]

Environmental Statement for the financial year ending 31st March 2019

Part A

(i)	Name & address of the owner/occupier of the industry operation or process:	Mr. T. V Narendran Managing Director Tata Steel Limited Jamshedpur-831001 Jharkhand
(ii)	Industry Code	3316
	Primary STC Code:	Metallurgical industry
	Secondary SIC Code	Cold rolling of flat strip
(iii)	Production Capacity	0.8 MTPA
(iv)	Year of Establishment	2011
(v)	Date of last Environment Statement submitted	September 26 th , 2018 vide letter no. EMD/C-23/371/18

Part B

WATER & RAW MATERIAL CONSUMPTION

i) Water Consumption m³/day

Process: } **807 m³ / Day**
 Cooling: }
 Domestic: **244 m³ / Day**

Name of the product	Process water consumption/unit of product output	
	During the current Financial Year (2017-18)	During the current Financial Year (2018-19)
Full Hard Cold Rolled Coils ,HR Pickled Coils and Hot rolled pickled and skin passed coils	0.44 m3 / T	0.43 m3 / T

ii) Raw Material Consumption:

Name of raw material	Name of the products	Consumption of raw material per unit of output (kg/tons of Output Product)	
		During the current financial year (2017-18)	During the current financial year (2018-19)
Hot rolled coil	Full Hard Cold Rolled Coils ,HR Pickled Coils and Hot rolled pickled and skin passed coils	1026 kg/tons	1031 kg/tons
Hydrochloric acid (32% Industrial Grade)		3.2 kg/tons	5.8 kg/tons

Part C

POLLUTION DISCHARGED TO ENVIRONMENT / UNIT OF OUTPUT
(PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)

Pollutants	Quantity of pollutants Discharged (mass/day)		Concentrations of pollutants discharged (mass / volume)		Percentage of variation from prescribed standards
(a) Water					
	(Kg/day)		(mg/L)		
Parameter	2017-18	2018-19	2017-18	2018-19	
Oil & grease	0.12	0.32	1.31	1.07	-
Total Suspended Solids	1.23	3.72	13.73	12.37	-
COD	3.30	9.82	30.33	32.67	-
(b) Air					
	(Tons/day)		(mg/Nm³)		
Parameter	2017-18	2018-19	2017-18	2018-19	
PM	0.46	0.034	22.5	42.49	-
SO ₂	0.25	0.008	18.3	29	-
NO _x	0.18	0.012	17.4	45.37	-

Part D

Hazardous Waste

[As Specified under Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016]

Hazardous Waste	Total Quantity (Tons)	
	During the Current Financial Year (17-18)	During the Current Financial Year (18-19)
(a) From Process		
Waste Oil	292.46	888.63
Used Oil	0	0
Discarded Containers(Solid)	914 Nos	1338 Nos
Sludge Cake	0	47.58
Cotton waste	0	11

Part E

Solid Waste

Total Quantity Generated

Name of the Waste	Total Quantity Generated (tons)	
	During the Current Financial Year (17-18)	During the Current Financial Year (18-19)
a) From Process Metallic waste	13873.75	18298.68
(b) From Pollution Control Equipment Iron Oxide from Acid Regeneration Plant	3348	3091
(c) Total Quantity Recycled/ Re utilized within the unit	Nil	Nil

Part F

Characteristics of solid and hazardous waste and method of disposal

Name of Wastes	Characteristics	Disposal Method
Iron Oxide	Ferrous	Auctioned to recyclers through Industrial By-products Management Division, Tata Steel
Metallic waste	Ferrous	Auctioned to outside party/ Sent inside Tata Steel for recycle
Used/Waste Oil/ Oil scum	Non ferrous	Recycled by registered recyclers
Sludge cake	Ferrous & oily sludge	Recycled by registered recyclers

Part G

Sl. No.	Pollution abatement Measures taken in 2018-19	Impact on conservation of natural resources & others
1	Green Belt Development-in and around CRM Bara Numbers of Plant : 1160	Reduce air pollution
2	Rain water harvesting 2 collecting pits of total capacity 25 KL made and connected with down comers of plant shed. 59 KL water has been used for Toilet flushing and greenery development.	Reduction in specific water consumption

Part H

ADDITIONAL MEASURES / INVESTMENT PROPOSAL OF ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION

Measures taken:

- Green belt development in and around the plant.
- Water sprinkling at plant premises to suppress dust emission due to vehicle movement.

Part I

Any other particulars for improving the quality of environment

- As stated above