Shubhanand Mukesh
Head Environment Management

EMD/C-23/371/18
September 26th, 2018

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

Subject: Environmental Statement 2017-2018 for Cold Rolling Mill Complex (CRMC), 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 (CRMC), Tata Steel Limited at Bara, Jamshedpur for the year 2017-2018 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, Jamshedpur – 831 013

TATA STEEL LIMITED
Environment Management Jamshedpur 831 001 India
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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 2017-2018

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 2018

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 14, 2017 vide letter no. EMD C23/137/17

Part B

WATER & RAW MATERIAL CONSUMPTION

i) Water Consumption m^3/day

Process: } **800 m^3 / Day**
Cooling: }

Domestic: **228 m^3 / Day**

Name of the product	**Process water consumption/unit of product output**	
	During the previous Financial Year (2016-17)	During the current Financial Year (2017-18)
Full Hard Cold Rolled Coils ,HR Pickled Coils and Hot rolled pickled and skin passed coils	**0.41 m^3 / T**	**0.44 m3 / T**

ii) Raw Material Consumption:

Name of raw material	**Name of the products**	**Consumption of raw material per unit of output (kg/tonnes of Output Product)**	
		During the previous financial year (2016-17)	**During the current financial year (2017-18)**
Hot rolled coil	Full Hard Cold Rolled Coils ,HR Pickled Coils and Hot rolled pickled and skin passed coils	1021 kg/tonnes	1026 kg/tonnes
Hydrochloric acid (32% Industrial Grade)		1.80 kg/tonnes	3.2 kg/tonnes

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	**2016-17**	**2017-18**	**2016-17**	**2017-18**	
Oil & grease	0.139	0.12	1.10	1.31	-
Total Suspended Solids	4.52	1.23	35.77	13.73	-
COD	3.23	3.30	25.5	30.33	-
(b) Air					
	(Tons/day)		**(mg/Nm^3)**		
Parameter	**2016-17**	**2017-18**	**2016-17**	**2017-18**	
PM	0.37	0.46	16.25	22.5	-
SO_2	0.094	0.25	10	18.3	-
NOx	0.140	0.18	15	17.4	-

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 previous Financial Year (16-17)	During the Current Financial Year (17-18)
(a) From Process		
Waste Oil	197.54 T	292.46 T
Used Oil	0	0
Discarded Containers(Solid)	908	914

Part E

Solid Waste

Total Quantity Generated

Name of the Waste	**Total Quantity Generated (tons)**	
	During the previous Financial Year (16-17)	During the Current Financial Year (16-17)
a) From Process Metallic waste	10851.5	13873.75
(b) From Pollution Control Equipment Iron Oxide from Acid Regeneration Plant	2500	3348
(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 2017-18	Impact on conservation of natural resources & others
1	Green Belt Development-in and around CRM Bara Numbers of Plant : 55	Reduce air pollution
2	Rain water harvesting 2 collecting pits of total capacity 25 KL made and connected with down comers of plant shed. 100 KL water has been used for Toilet flushing and greenery development.	Reduction in specific water consumption

Part H

ADDITIONAL MEASURES *I* 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