Dr. Amit Ranjan Chakraborty
Chief Environment Management

EMD/C-23/410/20
September 18th, 2020

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

Subject: Environmental Statement 2019-2020 for LD Slag Storage & Processing unit at Galudih, Ghatshila of Tata Steel Limited, Jamshedpur

Dear Sir,

This has reference to the captioned subject. Please find enclosed the **"Environmental Statement"** for LD Slag Storage & Processing unit at Galudih, Ghatshila of Tata Steel Limited, Jamshedpur for the year 2019-2020 duly filled in the prescribed format is enclosed for your kind consideration.

Thanking you

Yours faithfully,
For Tata Steel Limited

Dr. Amit Ranjan Chakraborty
Chief, 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
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Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

ENVIRONMENTAL STATEMENT
FOR THE YEAR 2019-2020

For Storage & Processing of LD Slag
Galudih,
District-East Singhbum
Tata Steel Limited

Submitted by:
TATA STEEL LIMITED
JAMSHEDPUR-831001
JHARKHAND

FORM-V

Environmental Statement for the financial year ending the 31/03/2020

PART-A

i)	Name and address of the owner / occupier of the industry operation or process	:	Mr T V Narendran Managing Director TATA STEEL LIMITED Galudih, District -EAST SINGHBUM Jharkhand
ii)	Industry Category	:	Green Category
	Primary (SIC Code)	:	NIL
	Secondary (SIC Code)	:	NIL
iii)	Production Capacity	:	42.685 & 9.02 Acres (L D Slag - 1125 TPD) & For Storage & Processing of LD Slag
iv)	Year of establishment	:	2012
v)	Date of last Environmental Statement submitted	:	September 20th, 2019 vide letter no. EMD/C-23/211/19

PART-B

WATER & RAW MATERIAL CONSUMPTION

i) Water Consumption, KL/day

Cooling : Nil

Domestic

1. Plant : Nil
2. Colony : Nil

Name of the product	Process water consumption per unit of product Output (m^3/t of product)	
	During the Previous Financial year 2018-19	During the current Financial year 2019-20
Storage and Processing of LD Slag	0.55	0.55

ii) Raw Material Consumption:

Name of raw material	Name of the products	Consumption of raw material per unit of output (ton/ton of product)	
		During the Previous Financial year 2018-19	During the current Financial year 2019-20
LD Slag	LD Slag Processed	NA	NA

PART-C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Concentrations Percentage of pollutants variation from in discharged prescribed (mass/volume) standards with reasons.		Percentage of pollution variation from in discharged prescribed (mass/volume) standards with reasons
	2018-19	**2019-20**	
a) WATER	**mg/lit**		
TSS	NA	NA	-
Oil & Grease	NA	NA	-
COD	NA	NA	-
BOD	NA	NA	-
b) AIR	**µg/m³**		
PM	NA	NA	-

Ambient Air Quality (2019-20):

Parameter	UoM	Location: Near Screener		
		Max.	**Min.**	**Avg.**
Particulate Matter, PM_{10}	µg/m³	98.60	54.20	75.61
Particulate Matter, $PM_{2.5}$	µg/m³	56.70	16.80	26.62
Sulphur Dioxide (SO_2)	µg/m³	17.20	8.60	13.20
Nitrogen Dioxide, (NO_x)	µg/m³	27.90	11.60	21.06
Ammonia (NH_3)	µg/m³	82.40	8.40	56.71
Ozone (O_3)	µg/m³	26.70	2.00	17.05
Benzene (C_6H_6)	µg/m³	<0.1	<0.1	<0.1
Benzo alpha Pyrene (BaP)	ng/m³	<0.1	<0.1	<0.1

PART-D

HAZARDOUS WASTES

(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2016)

Hazardous Waste	Total Quantity (Kg)	
	During the Previous Financial year 2018-2019	During the current Financial year 2019-2020
a) From process: - Used lubricant oil	NA	NA
b) From Pollution Facilities.	NA	NA

PART-E

Solid Waste

		During the Previous Financial year 2018-2019	During the current Financial year 2019-2020
a	From process		
	Any Waste Generation	NIL	NIL
b	From pollution control facilities-		Not applicable
c1	Quantities recycled or reused within the unit -		Not applicable
c2	sold-		
	LD slag Storage and Processed (MT)	96,000	93,687
c3	Disposed -		Not applicable

PART-F

Please specify the characterization (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practices adopted for both these categories of wastes.	• LD Slag Characterization Fe(T) – 18-25; MgO – 1-2 CaO – 45-55; MnO – 0.5-1.0 SiO_2 – 10-12; Al_2O_3 – 0.8-1.0 P_2O_5 – 3.5-4.0; S – 0.2 TiO_2 – 0.8-1; Alkali – 0.18

PART-G

Impact of pollution control measures taken on conservation of natural resources and cost of product	Green Belt Development as per CPCB guidelines is done.

PART-H

Additional measures/investment proposal Environmental Protection including abatement of pollution prevention of pollution	Water sprinkling across the dump with dedicated vehicle is done 5-6 times. Also Mechanized water sprinklers have been deployed to suppress the dust deposited in the plant roads at routine intervals throughout the day

PART-I

Particular for improving the quality of Environment	Green belt development is an ongoing process and is being given high priority. Approx. 700 Nos. of Trees has been planted around the boundary.

Trees Plantation along the boundary of the Dump Yard

Rain Water Harvesting Pond