Raju Agrawal
Head, Environment Clearance & Compliance (TSL)
Environment Management

EMD/C-23/254/21
September 22, 2021

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

Subject: Environmental Statement 2020-2021 for Tata Steel Limited – LD Slag storage & processing unit at Galudih ,Ghatshila, Jamshedpur

Dear Sir,

This has reference to the captioned subject. Please find enclosed the **"Environmental Statement"** for Tata Steel Limited - LD Slag storage & processing unit at Galudih ,Ghatshila, Jamshedpur for the year 2020-2021 duly filled in the prescribed format is enclosed for your kind consideration.

Thanking you

Yours faithfully,
For Tata Steel Limited

Raju Agrawal
Head, Environment Clearance & Compliance (TSL)

Encl: As Above

Copy to: Regional Officer, Jharkhand State Pollution Control Board, Adityapur, Jamshedpur – 831013

ENVIRONMENTAL STATEMENT
FOR THE YEAR 2020-2021

For Storage & Processing of LD Slag
Galudih,
District -EAST SINGHBUM
TATA STEEL LIMITED

Submitted by:
TATA STEEL LIMITED
JAMSHEDPUR-831001
JHARKHAND

FORM-V

Galudih, District -EAST SINGHBUM
TATA STEEL LIMITED, JAMSHEDPUR

Environmental Statement for the financial year ending the 31/03/2019

PART-A

i)	Name and address of the owner / occupier of the industry operation or process	:	Mr T V Narendran CEO & MD 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	:	25/10/2012
v)	Date of last Environmental Statement submitted	:	September 18, 2020 vide letter no. EMD/C-23/410/20

PART-B

WATER & RAW MATERIAL CONSUMPTION

i) Water Consumption, KL/day

Process : 200
Cooling : Nil
Domestic : Nil

Name of the product	Process water consumption per unit of product Output (m^3/t of product)	
	During the Previous Financial year 2019-2020	During the current Financial year 2020-2021
LD Slag	0.55	0.52

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 2019-2020	During the current Financial year 2020-2021
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
	2019-2020	2020-2021	
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 (2020-2021):

Parameter	UoM	Location: Near Screener		
		Max.	Min.	Avge
Particulate Matter, PM_{10}	µg/m³	48.60	54.20	55.61
Particulate Matter, $PM_{2.5}$	µg/m³	36.70	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 2019-2020	**During the current Financial year 2020-2021**
a) From process: - Used lubricant oil	NA	NA
b) From Pollution Facilities.	NA	NA

PART-E
Solid Waste

		During the Previous Financial year 2019-2020	During the current Financial year 2020-2021
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 Processed (MT)	1,28,000	1,40,510
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. Aprx. 1100 Nos. of Trees has been planted around the boundary. A plan has been made to increasing the boundary wall height made of RCC.


Trees Plantation inside yard and along the boundary


Rain Water Harvesting Pond