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Shubhanand Mukesh
Head Environment Management

EMD/C-23/2 // /19
September 20th, 2019

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

Subject: Environmental Statement 2018-2019 for Storage & Processing of LD Slag, Galudih, of Tata steel Limited, Jamshedpur

Dear Sir,

This has reference to the captioned subject. Please find enclosed the **“Environmental Statement” for Storage & Processing of LD Slag, Galudih, of Tata Steel Limited, 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

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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 2018-2019**

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

**Submitted by:
TATA STEEL LIMITED
JAMSHEDPUR-831001
JHARKHAND**

Environment Statement for 2018-19

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 Managing Director TATA STEEL LIMITED Galudih, District -EAST SINGHBUM Jharkhand
ii)	Industry Category	:	Not available
	Primary (SIC Code)	:	NIL
	Secondary (SIC Code)	:	NIL
iii)	Production Capacity	:	42.685 Acre (L D Slag - 3000 TPD) & 5.45 Acre (L D Slag - 3000 TPD) For Storage & Processing of LD Slag
iv)	Year of establishment	:	25/10/2012
v)	Date of last Environmental Statement submitted	:	September 26 th , 2018 vide letter no. EMD/C-23/372/18

PART-B

WATER & RAW MATERIAL CONSUMPTION

i) Water Consumption, KL/day

Cooling : Nil
 Domestic
 1. Plant :160 KL/Day
 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 2017-2018	During the current Financial year 2018-19
LD Slag	NA	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 2017-2018	During the current Financial year 2018-19
LD Slag	LD Slag Processed	NA	NA

Note: Exclusive of electrical and other materials.

Environment Statement for 2018-19

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
	2017-18	2018-19	
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 (2018-19):

Parameter	UoM	Location: Near Screener		
		Max.	Min.	Avge
Particulate Matter, PM ₁₀	µg/m ³	98.3	88.00	91.37
Particulate Matter, PM _{2.5}	µg/m ³	49.0	31.00	36.08
Sulphur Dioxide (SO ₂)	µg/m ³	36.0	21.00	24.04
Nitrogen Dioxide, (NO _x)	µg/m ³	28.0	21.00	23.91
Carbon Monoxide(CO)	mg/m ³	0.32	0.27	0.30
Ammonia (NH ₃)	µg/m ³	43.1	22.00	29.36
Ozone (O ₃)	µg/m ³	28.5	21.00	23.07
Lead (Pb)	µg/m ³	0.25	0.18	0.21
Arsenic (As)	ng/m ³	0.018	0.01	0.02
Nickel (Ni)	ng/m ³	0.22	0.14	0.19
Benzene (C ₆ H ₆)	µg/m ³	<0.1	<0.1	<0.1
Benzo alpha Pyrene (BaP)	ng/m ³	<0.1	<0.1	<0.1

Environment Statement for 2018-19

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 2017-2018	During the current Financial year 2018-2019
a) From process: - Used lubricant oil	NA	NA
b) From Pollution Facilities.	NA	NA

PART-E

Solid Waste

		During the Previous Financial year 2017-2018	During the current Financial year 2018-2019
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	-	96000
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.	<ul style="list-style-type: none"> • LD Slag Characterization Fe(T) – 18-25; MgO – 1-2 CaO – 45-55; MnO – 0.5-1.0 SiO₂ – 10-12; Al₂O₃ – 0.8-1.0 P₂O₅ – 3.5-4.0; S – 0.2 TiO₂ – 0.8-1; Alkali – 0.18
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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. Total capital cost incurred is Rs. 1617 Lakh including cost of APCE installed i.e. 149 Lakh.
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42.685 Acre (L D Slag - 3000 TPD) & 5.45 Acre (L D Slag - 3000 TPD) For Storage & Processing of LD Slag , Galudih, East Singhbhum Tata Steel Limited Page 4

Environment Statement for 2018-19

PART-H

Additional measures/investment proposal Environmental Protection including abatement of pollution prevention of pollution	-
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PART-I

Particular for improving the quality of Environment	Green belt development is an ongoing process and is being given high priority.
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