



TSJ/EMD/C-23/182/23  
28 September 2023

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

**Subject: Submission of Environment Statement for Tata Steel Limited – LD Slag storage & processing unit at Galudih, Jamshedpur for the year 2022-23**

Dear Sir,

With reference to captioned subject, we are submitting herewith the Environment Statement for Tata Steel Limited - LD Slag storage & processing unit at Galudih, Ghatshila, Jamshedpur for the year 2022-23 duly filled in the prescribed format for your kind consideration.

You are requested to kindly acknowledge the same and place in your records.

Thanking you

Yours faithfully,  
For Tata Steel Limited

**Utsav Kashyap**  
**Head, Environment Clearance & Compliance (TSL)**

Encl: As Above

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

**TATA STEEL LIMITED**

Environment Management Jamshedpur 831 001 India

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**ENVIRONMENTAL STATEMENT  
FOR THE YEAR 2022-23**

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

**Submitted by:  
Environment Management Department  
TATA STEEL LIMITED  
JAMSHEDPUR-831001  
JHARKHAND**

# Environment Statement for 2022-2023

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## FORM-V

### Environmental Statement for the financial year ending 31/03/2023

#### 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	:	For Storage & Processing of LD Slag- 1125 TPD
iv)	Year of establishment	:	25/10/2012
v)	Date of last Environmental Statement submitted	:	September 22, 2022

#### PART-B

### WATER & RAW MATERIAL CONSUMPTION

#### **i) Water Consumption, KL/day**

Process	:	200(Recycled water)
Cooling	:	Not Applicable
Domestic	:	Not Applicable

## Environment Statement for 2022-2023

Name of the product	Process water consumption per unit of product Output (m <sup>3</sup> /t of product)	
	During the Previous Financial year 2021-22	During the current Financial year 2022-23
LD Slag processed	0.49	0.35

**ii) Raw Material Consumption:** Here LD slag is stored only and under the processing activity, it is washed only to remove some lime content. Hence no consumption of raw material. LD slag is raw material and Processed LD slag is product after washing.

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 2021-22	During the current Financial year 2022-23
LD Slag	Processed LD -Slag	1.25	1.56

### 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 discharged pollution variation from prescribed (mass/volume) standards with reasons
	Kg/Day	mg/Lit	
<b>a) WATER</b>	Not applicable as unit is zero effluent discharge unit.		
<b>b) AIR</b>	Not applicable as unit is zero emission discharge unit.		

No effluent is being discharged from the premises.

# Environment Statement for 2022-2023

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## 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 2021-22	During the current Financial year 2022-23
a) From process:	NA	NA
b) From Pollution Facilities.	NA	NA

## PART-E

### Solid Waste

Here slag is stored and water sprinkling over it.

		During the Previous Financial year 2021-22	During the current Financial year 2022-23
a	From process		
	Any Waste Generation	Not Applicable	Not Applicable
b	From pollution control facilities-	Not applicable	
c1	Quantities recycled or reused within the unit -	Not applicable	
c2	sold-	Not Applicable	
c3	Disposed -	Not Applicable.	

## Environment Statement for 2022-2023

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### 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.	Lime/Lime water. Here L.D. slag is stored and washed only, and after washing process it is dispatched. Some portion of lime contents of LD slag goes back to the internal water pond due to washing process, where it is settled at the bottom of the pond. Pond is impervious concrete flooring. Hence there is no waste disposal from this facility, either solid waste or hazardous waste is not disposed from this facility.
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### PART-G

Impact of pollution control measures taken on conservation of natural resources and cost of product	Water is sprinkled on slag thus controlling fugitive emission. Slag is stored on lined surface and sprinkled from recirculating water taken from pond storing rainwater. No use of ground water in processing of slag. Thus, conservating natural resource.
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### 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 in day. Also Mechanized water sprinklers have been deployed to suppress the dust deposited in the plant roads at routine intervals throughout the day.
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### PART-I

Initiatives for improving the quality of Environment-	Green belt development is an ongoing process and is being given high priority. Dump height has been reduced by almost 15 meters for further improving the environment condition.
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