



TSJ/EMD/C-23/203/24
September 27, 2024

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 2023-24

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 2023-24 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, Jamshedpur

TATA STEEL LIMITED

Environment Management Jamshedpur 831 001 India

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Corporate Identity Number L27100MH 1907PLC000260 Website www.tatasteel.com

**ENVIRONMENTAL STATEMENT
FOR THE YEAR 2023-24**

**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 2023-2024

FORM-V

Environmental Statement for the financial year ending 31st March 2024

PART-A

i)	Name and address of the owner / occupier of the industry operation or process	:	Tata Steel Limited, Occupier Name: T V Narendran Mauza -Ulda P S - Galudih, District -East Singhbhum
ii)	Industry Category	:	Green Category
	Primary (STC Code)	:	--
	Secondary (STC Code)	:	--
iii)	Production Capacity	:	Processing & Storage of 1125 TPD LD Slag
iv)	Year of establishment	:	25/10/2012
v)	Date of last Environmental Statement submitted	:	September 28, 2023

PART-B

WATER & RAW MATERIAL CONSUMPTION

i) Water Consumption, KL/day

Process	:	190(Recycled water)
Cooling	:	Not Applicable
Domestic	:	Not Applicable

Name of the product	Process water consumption per unit of product Output (m ³ /t of product)	
	During the Previous Financial year 2022-23	During the current Financial year 2023-24
Storage of Solid Waste (ACBF Slag)	---	---
Storage of Solid waste (LD Slag)	0.35	0.33

Environment Statement for 2023-2024

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 2022-23	During the current Financial year 2023-24
LD slag generated from steel making shop at Tata Steel limited, Jamshedpur.	Processed LD Slag	1.56	1.48

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	
a) WATER	Not applicable as unit is zero effluent discharge unit.		
b) AIR	Not applicable as unit is zero emission discharge unit.		

No effluent is being discharged from the premises.

PART-D

HAZARDOUS WASTES

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

Hazardous Waste	Total Quantity (Kg)

Environment Statement for 2023-2024

	During the Previous Financial year 2022-23	During the current Financial year 2023-24
a) From process: *	NA	NA
b) From Pollution control Facilities. #	NA	NA

*Not applicable as unit is used for storage, washing/ sprinkling/ atmospheric drying/ ageing/ and again transportation and dispatch to intended parties as per requirement.

There is no such pollution control facility, for abatement of pollution and preserving the environment water sprinkling is done regularly to avoid fugitive emission.

PART-E

Solid Waste

	Total Qty (Kg)	
	During Previous Financial Year (2022-23)	During Current Financial Year (2023-24)
(a) From process	No solid waste is generated from process	No solid waste is generated from process
(b) From pollution control facility	There is no pollution control facility as Bag filter, ESP etc. Water sprinkling is done constantly over roads.	There is no pollution control facility as Bag filter, ESP etc. Water sprinkling is done constantly over roads.
(1) Qty recycled or re- utilised within the unit	N/A	N/A
(2) sold	N/A	N/A
(3) Disposed	N/A	N/A

Here slag is stored and water sprinkling over it only.

PART-F

Please specify the characterisation (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Name of Wastes	Characteristics	Quantum	Disposal Method
Hazardous waste			
No Hazardous waste generated *	N/A	N/A	N/A

Environment Statement for 2023-2024

Name of Wastes	Characteristics	Quantum	Disposal Method
Solid waste			
No solid waste generated*	N/A	N/A	N/A

* 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.

PART-G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

- 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.
- Greenery has been developed across the facility and continuous watering to the plant and saplings is ensured.

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.
- LED lighting is ensured inside the facility.

PART-I

Any other particulars 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 12 meters for further improving the environment condition.