



To,  
The Member Secretary,  
Jharkhand State Pollution Control Board,  
T.A. Bhawan, H.E.C. Campus, Dhurwa,  
Ranchi - 834004 Jharkhand

Ref. No. - JMB/ENV/ESSA/05/ 737 /2021

September 28<sup>th</sup>, 2021

**Sub: Annual Environment Statement in Form V for the FY-21.**


Dear Sir,

We are enclosing herewith Annual Environment Statement in Form-V for the FY-21 in respect of **Mahal Sahrjuri Sand Mining Project** of M/s Tata Steel Limited, Jharia Division for your kind perusal.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully,  
For Tata Steel Limited

  
Head (Planning)

CC: Regional Officer, Jharkhand State Pollution Control Board, HIG.-1 Sardar Patel Nagar,  
Housing Colony, Hirapur, Dhanbad (Jharkhand).

**FORM – V (See rule – 14 )****Environmental Statement for the financial year ending the 31<sup>st</sup> March -2021**

Mahal Saharjuri Sand Mining Project

**PART – A**

<b>1.Name and address of the owner/ occupier of the : industry/ operation or process</b>	<b>Mahal Saharjuri Sand Mining Project</b>
<b>Head :</b>	<b>Mr. Raj Ankur</b> Head Planning, Jharia Division Tata Steel Ltd., P.O.- Jealgora Dist.- Dhanbad, Jharkhand-828110
<b>Nominated Owner :</b>	<b>Mr. T.V.Narendran</b> CEO&MD, Tata Steel Ltd Jamshedpur, Dist- East Singhbhum Jharkhand – 831 001
<b>2.Industry category: Primary (STC Code) Secondary (STC Code)</b>	--
<b>3.Production Capacity – Units</b>	0.1 MTPA – Sand Mining
<b>4.Year of Establishment</b>	2006
<b>5.Date of the last environmental statement submitted</b>	28 <sup>th</sup> September 2020 (Vide Letter No.JMB/ENV/ESSA/05/891/2020)

**PART – B****Water and Raw Material Consumption****1. Water Consumption M<sup>3</sup> / day.**

	<b>Water consumption in 2019-2020</b>	<b>Water consumption in 2020-2021</b>
<b>Process</b>	Not Applicable	Not Applicable
<b>Industrial</b>	Not Applicable	Not Applicable
<b>Domestic</b>	Not Applicable	Not Applicable

It is a sand excavation project where process/industrial water demand is nil. Since the workers are from neighboring villages, hence drinking water consumption is also negligible.

<b>Sl. No</b>	<b>Name of the products</b>	<b>Process water consumption per unit of product output.</b>	
		<b>During the previous financial year 2019-2020</b>	<b>During the current financial year 2020-2021</b>
1.	Sand	Not Applicable	Not Applicable

**FORM – V (See rule – 14 )****Environmental Statement for the financial year ending the 31<sup>st</sup> March -2021**

Mahal Saharjuri Sand Mining Project

**2. Raw Material Consumption**

Sl. No	Name of the Raw Material	Name of the product	Raw Materials consumption per unit production output.	
			During the previous financial year 2019-2020	During the current financial year 2020-2021
Not applicable				

**PART – C****Pollution discharged to environment / unit of output.**

(Parameter as prescribed in the consent issued)

Sl. No	Pollution	Quantity of pollutants discharged (mass/ day)		Concentration of pollutants in discharges (Mass/Volume)		Percentage of variation from prescribed standard with reason.
A.	AIR	PM <sub>10</sub> Level : 24 Hourly Limit- 100µg/m <sup>3</sup>	PM <sub>2.5</sub> Level : 24 Hourly Limit- 60µg/m <sup>3</sup>	SO <sub>2</sub> Level: 24 Hourly Limit- 80µg/m <sup>3</sup>	NO <sub>2</sub> Level: 24 Hourly Limit- 80µg/m <sup>3</sup>	Ambient air quality is being measured and all values are within limits as per NAAQS, 2009.
		63.07	33.27	12.19	13.29	
B.	WATER	Not applicable since there is no water discharge.				

The sand lease does not have any single point source of air pollution. Hence, quantitative estimation of air pollutants discharged in Kg/day cannot be ascertained.

**PART – D****Hazardous Wastes**

(as specified under The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

Sl No	Hazardous Waste	Total Quantity (Kg.)	
		During the previous financial year 2019-2020	During the current financial year 2020-2021
1.	From process	Not Applicable	Not Applicable
2.	From pollution control facility	Not Applicable	Not Applicable

**PART – E****Solid Wastes**

Sl No	Solid Wastes	Total Quantity ( Kg.)	
		During the previous financial year 2019-2020	During the current financial year 2020-2021
1.	Not applicable		

**FORM – V (See rule – 14 )**  
**Environmental Statement for the financial year ending the 31<sup>st</sup> March -2021**  
Mahal Saharjuri Sand Mining Project

**PART – F**

Please specify the characterization (in term of composition and quantum) of hazardous as well as solid wastes and indicate disposal practices adopted for both these categories of wastes.

Category of Waste	Characteristics	Quantity	Disposal Practice
Solid Waste			Not applicable
Hazardous Waste			Not applicable

**PART – G**

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

Sand, being coarse in nature and having high moisture content, does not get air borne during gathering & transportation. Sand stored in the sand yards is transferred to underground voids through surface bunkers in a slurry form. However, dust control measures while transporting of sand is in place through water tanker, coverage of trucks and optimal loading.

S. No.	Environment Management Activity	Expenditure in Lakhs
1	Plantation	0.48
2	Water sprinkling	0.25
3	Environmental Monitoring	0.24
	<b>Total Cost incurred</b>	<b>0.97</b>

**PART – H**

**Additional measures/ investment proposals for environmental protection including abatement of pollution, prevention of pollution**

Jharia Division of TATA Steel Ltd. is committed to improve safety and environment by strictly practicing Environmental Management System of company. Various programs are arranged such as World Environmental day, Annual Flower Show for public awareness. Also, various initiatives for biodiversity enhancement in the region have been taken such as Artificial Niche Nesting, Development of Butterfly garden, Medicinal Garden, Nursery development of native species, etc. Tree plantation will be continued in the leasehold area.



**FORM – V (See rule – 14 )**

**Environmental Statement for the financial year ending the 31<sup>st</sup> March -2021**

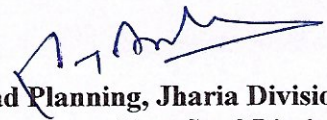
**Mahal Saharjuri Sand Mining Project**

**PART – I**

**Any other particulars for improving the quality of environment**

1. We are providing safe drinking water from our water treatment plant & MADA to our employees.
2. We are regularly sprinkling water in an around the units, to suppress dust.
3. We provide dust mask to our employees to prevent exposure to dust.
4. Regular monitoring of Air Quality & groundwater quality analysis by our separate Environment Cell.
5. Regular thrust on Environment awareness conducting training classes at P.T.I., Jamadoba.
6. We are an IMS certified unit (ISO 9001:2015, 14001:2015 and 45001:2018).

**Name of Unit – Mahal Saharjuri Sand Mining Project**

  
**Head Planning, Jharia Division  
Tata Steel Limited**