



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/ 891 /2020

September 28<sup>th</sup>, 2020

**Sub: Annual Environment Statement in Form V for the FY-20.**

Dear Sir,

We are enclosing herewith Annual Environment Statement in Form-V for the FY-20 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)

Received  
Mahal  
28/9/2020  
झारखण्ड राज्य प्रदूषण नियंत्रण पत्रिका  
श्रीजीय कार्यालय  
धनबाद

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 -2020  
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. Vikash Kumar</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>	23 <sup>rd</sup> September 2019 (Vide Letter No.JMB/ENV/ESSA/05/529/2019)

**PART – B**

**Water and Raw Material Consumption**

**1. Water Consumption M<sup>3</sup> / day.**

	<b>Water consumption in 2018-2019</b>	<b>Water consumption in 2019-2020</b>
<b>Process</b>	Not Applicable	Not Applicable
<b>Industrial</b>	Not Applicable	Not Applicable
<b>Domestic</b>	Not Applicable	Not Applicable

<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 2018-2019</b>	<b>During the current financial year 2019-2020</b>
1.	Sand	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.

**FORM – V (See rule – 14 )****Environmental Statement for the financial year ending the 31<sup>st</sup> March -2020****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 2018-2019	During the current financial year 2019-2020
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.
		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>	
A.	AIR	76.24	34.5	11.08	17.17	Ambient air quality is being measured and all values are within limits as per NAAQS, 2009.
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 2018-2019	During the current financial year 2019-2020
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 2018-2019	During the current financial year 2019-2020
1.		Not applicable	



**FORM – V (See rule – 14 )**

**Environmental Statement for the financial year ending the 31<sup>st</sup> March -2020**

**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.**

<b>Category of Waste</b>	<b>Characteristics</b>	<b>Quantity</b>	<b>Disposal Practice</b>
<b>Solid Waste</b>		Not applicable	
<b>Hazardous Waste</b>		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. Environment expenditure towards water sprinkling on transportation roads is around 2.0 Lakhs

**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 in FY20 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.

**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**