



Regional Officer,  
Jharkhand State Pollution Control Board,  
H.I.G.- 1 Sardar Patel Nagar,  
Housing Colony Hirapur,  
Dhanbad (Jharkhand).

Ref. No.- JMB/ENV/ESSA/05/ 289 /2018

September 24, 2018

Sub: Annual Environment Statement in Form V for the year 2017-18.

Dear Sir,

We are enclosing herewith Annual Environment Statement in Form-V for the financial year 2017-18 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,

**Sr. Manager (Environment)**

✓ Copy to: Member Secretary, Jharkhand State Pollution Control Board, T.A. Bhawan, H.E. C.  
Campus, Dhurwa, Ranchi, 834004, Jharkhand.

**TATA STEEL LIMITED**

Jharia Collieries Jamadoba 828 112 Dhanbad India  
Tel 91 326 2320263/2320265/2320267 Fax 91 326 2320268  
Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001  
Tel 91 22 66658282 Fax 91 22 66657724  
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

**FORM – V (See rule – 14 )**  
**Environmental Statement for the financial year ending the 31<sup>st</sup> March -2018**  
 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>Chief :</b>	<b>Mr. Sanak Ghosh</b> Chief Operations, 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>	25 <sup>th</sup> September' 2017 (Vide Letter No.S&E/ENV/ESSA/05/845/17)

**PART – B**

**Water and Raw Material Consumption**

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

	<b>Water consumption in 2016-2017</b>	<b>Water consumption in 2017-2018</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 2016-2017</b>	<b>During the current financial year 2017-2018</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 -2018  
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 2016-2017	During the current financial year 2017-2018
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.
		59.8	31.9	11.6	13.0	
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 2016-2017	During the current financial year 2017-2018
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 2016-2017	During the current financial year 2017-2018
1.		Not applicable	

**FORM – V (See rule – 14 )**  
**Environmental Statement for the financial year ending the 31<sup>st</sup> March -2018**  
**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.

- Rs. 10 lakhs incurred for water spraying activities on transportation road.
- Rs. 0.5 lakhs incurred for green belt development in and around leasehold areas.

**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 FY18 such as Artificial Niche Nesting, Development of Butterfly garden, Medicinal Garden, Nursery development of native species, Hibiscus park 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 OHSAS 18001).

Name of Unit – Mahal Saharjuri Sand Mining Project

  
Chief Operations, Jharia Division  
Tata Steel Limited