



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

Ref. No.- S&E/ENV/ESSA/05/ 843 /2017

September 25, 2017

Sub: Environment Statement in Form V for the year 2016-17.

Dear Sir,

With reference to the above, we are enclosing here with form (V) (See rule-14) the Environmental Statement for **KALIMELA OPEN CAST PROJECT**.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully,

Sr. Manager (Environment)

Received
25/9/17
Jharkhand State Pollution Control Board
Regional Office
Dhanbad

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

Copy to: Head, Jamadoba Colliery

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 Horni Mody Street Mumbai 400 001
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

O/C
File

FORM – V (See rule – 14)
Environmental Statement for the financial year ending the 31st March -2017
Kalimela Open Cast Project

PART – A

1.Name and address of the owner/ occupier of the : industry/ operation or process	Kalimela Open Cast Project
Manager :	Mr. Sanjeev Thakur Head(Kalimela Open Cast Project) Tata Steel Ltd., P.O.- Jamadoba Dist.- Dhanbad, Jharkhand-828112
Nominated Owner :	Mr. T.V.Narendran Managing Director, Tata Steel Ltd (India and South East Asia) Jamshedpur, Dist- East Singhbhum Jharkhand – 831 001
2.Industry category: Primary (STC Code) Secondary (STC Code)	--
3.Production Capacity – Units	0.30 MTPA – Raw coal
4.Year of Establishment	October'2009
5.Date of the last environmental statement submitted	22 nd September' 2016 (Vide Letter No.S&E/ENV/ESSA/05/734/16)

PART – B

Water and Raw Material Consumption

1. Water Consumption M³ / day

	Water consumption in 2015-2016	Water consumption in 2016-2017
Process	Not Applicable	Not Applicable
Industrial	Nil*	Nil*
Domestic	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable

*The raw coal production from above mine is closed from Nov'16 as the mine is exhausted. The backfilling of overburden and reclamation jobs are to be done.

Sl. No	Name of the products	Process water consumption per unit of product output.	
		During the previous financial year 2015-2016	During the current financial year 2016-2017
1.	Raw Coal	Not Applicable	Not Applicable

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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 2015-2016	During the current financial year 2016-2017
1.	Explosives	Raw Coal	Nil	Nil

*Industries may use codes if disclosing details of raw materials would violate contractual obligation, otherwise all industries have to name the raw materials used.

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 ₁₀ Level : 24 Hourly Limit- 100µg/m ³	PM _{2.5} Level : 24 Hourly Limit- 60µg/m ³	SO _x Level: 24 Hourly Limit- 80µg/m ³	NO _x Level: 24 Hourly Limit- 80µg/m ³	All values are within limits.
		84.29	43.19	9.77	10.80	
B.	WATER	There is no effluent and mine water discharge as the mining operation is closed for two years.				

The open cast project 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 Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008)

Sl No	Hazardous Waste	Total Quantity (Kg.)	
		During the previous financial year 2015-2016	During the current financial year 2016-2017
1.	From process Used Oil	Nil	Nil
2.	From pollution control facility	-	-

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PART – E
Solid Wastes

Sl No	Solid Wastes	Total Quantity (Kg.)	
		During the previous financial year 2015-2016	During the current financial year 2016-2017
1.	Overburden	Nil	Nil
2.	Quantity recycled or reutilized within the unit/ sold/ disposed	OB which has been dumped in an external dump area of 12 Ha which will later be used for backfilling purpose.	

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 1. Overburden	Solid	Nil	Overburden is dumped at earmarked sites within the leasehold area as per Environmental Clearance conditions. They will be reclaimed to stabilize the dumps.
Hazardous Waste 1. Used Oil	Used Oil (Liquid)	Nil	-

PART – G

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

The mine was closed during this period. However, the fund earmarked for reclamation of the mine shall be used as per the mine closure plan

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 like creation of herbal garden, butterfly-park have been taken to improve the aesthetic value and beautification of the area.

Backfilling of the mine voids will begin and OB from the external dump will be used for this purpose. The area will be reclaimed and then plantation would be done on the reclaimed area.

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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 dust in open cast mining.
4. Our welfare department arranges to clean the domestic garbages from our colonies to provide better environment.
5. We also reimburse the cost of LPG cylinder refilling cost to the employees to avoid coal burning.
6. Regular monitoring of Air Quality by our separate environment management cell.
7. We have already done the tree plantation job and this is a continuous process in company leasehold areas.
8. Regular thrust on Environment awareness conducting training classes at P.T.I., Jamadoba.
9. Controlled blasting done and wet drilling practiced in mines.

Name of Unit – Kalimela Open Cast Project


Head, OCP Kalimela
TATA STEEL LIMITED

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