

**Form-V**  
**(See Rule 14)**  
**Environmental statement for the financial year ending 31<sup>st</sup> March 2014.**

**Unit- Logistic (Dispatch)**

**PART-A**

- i) Name and address of the owner/ Occupier of the industry operation or process : **Mr. P.K Dhall**  
**Chief (Coal Beneficiation)**  
**West Bokaro Division,**  
**TATA Steel Limited, P.O.: Ghatotand**  
**Dist. Ramgarh, Jharkhand- 825314**
- ii) Industry category Primary- (STC-code) : SITC -321.4, 321.5A, 321.6A  
Secondary- (SIC code) : ISIC -2100
- iii) Production capacity- units : Two circuit 800 . 1000 TPH of each circuit..
- iv) Year of establishment : 1982
- v) Date of last environmental statement submitted : Letter no. WBD/EMC/4016/110/13, dated 20<sup>th</sup> Sept, 2013. For the year 2012-13.

**PART-B**

**Water and Raw material Consumption**

- i) Water Consumption ( m<sup>3</sup>/d)
- Process : 1.5 m<sup>3</sup>/d
- Cooling : Not applicable
- Domestic : 75 KL/day

Name of the Product	Process Water Consumption per unit of product output	
	During the previous Financial year (2012-13)	During the current Financial year (2013-14)
It is not a production unit only loading of coal in Railway wagons takes place.		

ii) Raw material consumption

*Name of raw materials	Name of products	Consumption of raw material per unit of output	
		During the previous Financial year (2012-13)	During the current Financial year (2013-14)
No raw material required, it is a railway loading siding where coal loading takes place.			

\*Industry may use codes is disclosing details of raw material 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 specified in the consent issued)

<b>Pollutants</b>	<b>Quantity of pollutants discharged (mass /day)</b>	<b>Concentration of pollutants discharges (mass / volume)</b>	<b>Percentage of variation from prescribed standards with reason</b>
a. Water	Normally the quantity of effluent is very less which is recycled, for watering to plant & spraying on the road.		
b. Air	Due to absence of stationary source, it is difficult to measure pollutants load. However, ambient air quality is being measured in the area. Results of ambient air quality monitoring report are enclosed herewith which confirm the prescribed limit		

### **PART-D**

**(As specified under Hazardous Wastes  
[Management, Handling and Transboundary Movement Rules, 2008])**

<b>Hazardous Waste</b>	<b>Total Quantity</b>	
	<b>During the previous financial year (2012-13)</b>	<b>During the current financial year (2013-14)</b>
(a) From Process Oil soaked cotton (jute)	350 Kg/Yr	250 Kg/y
(b) From Pollution control facilities Used Oil	800 liters	500 liters

### **PART- E**

#### **Solid Wastes**

<b>Solid Wastes</b>	<b>Total Quantity</b>	
	<b>During the previous financial year(2012-13)</b>	<b>During the current financial year (2013-14)</b>
(a) From Process	Nil	Nil
(b) From Pollution control facilities	-	-
(C) (1)Quantity recycled or reutilized within the unit		-
(2) Sold ( to reuse as fuel)		Nil
(3) Disposed		-

#### **PART-F**

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

<b>Category of Waste</b>	<b>Characteristics</b>	<b>Quantity</b>	<b>Disposal Practice</b>
<b>Haz. Waste</b> 1. Used Oil 2. Oil soaked cotton/jute	Used Oil ( <i>Liquid</i> ) Used Cotton( <i>Solid</i> )	500 lit 250 Kg	Disposed off to authorized recycler. Safely collected and stored.

#### **PART-G**

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

Adequate dust suppression arrangement is made on road. Construction of concrete road is in progress. 400 mts completed out of 1.0 km.

The combined impact due to implementation of pollution prevention and control measures cost per tonne of ROM coal, of entire west Bokaro division (Washery, PH, Mines, Eng. services, Logistic, etc.) is Rs. 26.27 (Rupees twenty six and fifty one paise only).

#### **PART-H**

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

Construction of retaining wall at various points to avoid contamination of runoff water. Illumination in the yard is being maintained by putting high mast tower.

Installation of proposed pipe conveyor for transportation of washed coal to loading station will reduce dust/spillage threat significantly.

#### **PART-I**

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

EMS ISO 14001 & OHSAS 18001 are being monitored and practiced strictly to protected preserve the environment by eco-friendly operations and prevent any potential hazard to become risk posing serious threat to environment in a proactive manner.

**Mr. P. K. Dhall, Chief (Coal Beneficiation),  
West Bokaro Division, TATA Steel Limited, P.O.: Ghatotand  
Dist. Ramgarh, Jharkhand- 825314**

**AIR QUALITY REPORT AT WORK PLACE**Name of Industry: **West Bokaro Division**No. of sampling points: **(01)**Date of Sampling: **07-08 Jan. 2014  
07-08 Feb. 2014  
07-08 Mar.2014**Sampling position: **Logistics (Dispatch)****1. Control, Room**

Location	Date of Sampling (24 hrs.)	SO <sub>2</sub>	NO <sub>x</sub>	RPM	SPM
<b>Logistics, (Dispatch)</b>	07-08 January 2014	11	33	123	183
	07-08 February 2014	<10	43	138	250
	07-08 March 2014	<10	36	93	214
<b>Maximum</b>		<b>11</b>	<b>43</b>	<b>138</b>	<b>250</b>
<b>Average</b>		<b>&lt;10</b>	<b>37</b>	<b>118</b>	<b>235</b>
<b>Limit</b>		<b>120 µg/ m<sup>3</sup></b>	<b>120 µg/ m<sup>3</sup></b>	<b>300 µg/ m<sup>3</sup></b>	<b>700 µg/ m<sup>3</sup></b>

**AMBIENT AIR QUALITY REPORT**Name of Industry: **West Bokaro Dispatch, Chainpur**No. of sampling points: **(01)**Date of Sampling: **21-22 Jan.2014  
15-16 Feb.2014  
11-12 Mar.2014**Sampling position  
**Near Mandap (Basti)**

Location	Date of Sampling (24 hrs.)	SO <sub>2</sub>	NO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
<b>NEAR MANDAP ( Basti)</b>	21-22 January 2014	<10	35	44	31
	15-16 February 2014	10	10	42	16
	11-12 March 2014	<10	11	44	32
<b>Maximum</b>		<b>10</b>	<b>35</b>	<b>44</b>	<b>32</b>
<b>Average</b>		<b>&lt;10</b>	<b>19</b>	<b>43</b>	<b>26</b>
<b>Limit</b>		<b>80 µg/m3</b>	<b>80 µg/m3</b>	<b>100 µg/m3</b>	<b>60 µg/m3</b>

## EFFLUENT QUALITY

SAMPLING DATE: 07.03.2014

LOCATION	LEVELS					
	pH	TSS	COD	BOD	Oil & Grease	Phenolics
QLC	7.8	22	48	7.8	<10	-
LIMIT	5.5-9.0	100 mg/L	250 mg/L	30 mg/L	10 mg/L	1.0 mg/L

## AMBIENT NOISE MONITORING

LOCATION	NOISE LEVELS dB(A)			
	DURING DAY TIME		DURING NIGHT TIME	
	LIMIT	ACTUAL	LIMIT	ACTUAL
Logistics, (Dispatch)	75	58-62	70	53-55

Head (Env. & Forests) RMP  
West Bokaro  
Tata Steel