

**The Member Secretary
Jharkhand State Pollution Control Board
T.A. Division Building (ground Floor),
H.E.C, Dhurwa,
Ranchi - 834 004**

Ref: MD/CMO/256/103
Date: 05.04.2017

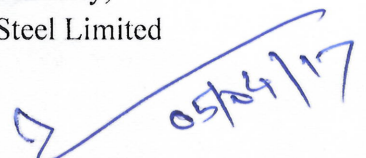
Sub: Annual Report of Bio-Medical Waste for the year 2016

Dear Sir,

We are enclosing herewith the Annual Report of Bio-medical wastes, handled and managed at our mines during the year 2016, in Form - IV (Rule 13) of Bio-Medical Waste Management Rules 2016 and amendment thereafter.

Thanking you.

Yours faithfully,
f: Tata Steel Limited


**Chief Medical Officer (Mines)
Tata Steel Hospital, Noamundi**

**Copy to: Regional Officer, Jharkhand State Pollution Control Board, MB/12 New Housing
Colony, Adityapur, Jamshedpur-831013, Jharkhand**

Form - IV
(See rule 13)
ANNUAL REPORT

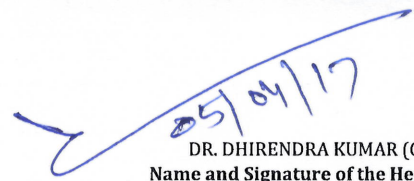
[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBMWF)]

Sl. No.	Particulars																																																				
1	Particulars of the Occupier																																																				
	(i) Name of the authorised person (occupier or operator of facility)	: Dhirendra Kumar																																																			
	(ii) Name of HCF or CBMWF	: Tata Steel Hospital																																																			
	(iii) Address for Correspondence	: Tata Steel Hospital, Babu Line Campus, P.O.-Noamundi, West Singhbhum-833217, Jharkhand.																																																			
	(iv) Address of Facility	: Tata Steel Hospital, Babu Line Campus, P.O.-Noamundi, West Singhbhum-833217, Jharkhand.																																																			
	(v) Tel. No, Fax. No :	: 9031055738																																																			
	(vi) E-mail ID :	: dhirendra.kumar2@tatasteel.com																																																			
	(vii) URL of Website	: http://www.tatasteelindia.com/																																																			
	(viii) GPS coordinates of HCF or CBMWF	: 22°08'49.5"N & 85°29'38.1"E																																																			
	(ix) Ownership of HCF or CBMWF	: Private																																																			
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	: Authorisation No. G-2455, Valid upto: 31.12.2016 Renewal Applied online vide application no. - 1355118																																																			
(xi). Status of Consents under Water Act and Air Act	: Applied online vide application no. - 1130746																																																				
2	Type of Health Care Facility																																																				
	(i) Bedded Hospital	: 75																																																			
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	: NA																																																			
	(iii) License number and its date of expiry	: JH/BB/1311/1988 and 31.12.2016 and applied for renewal																																																			
3	Details of CBMWF																																																				
	(i) Number healthcare facilities covered by CBMWF	: NA																																																			
	(ii) No of beds covered by CBMWF	: NA																																																			
	(iii) Installed treatment and disposal capacity of CBMWF	: NA																																																			
	(iv) Quantity of biomedical waste treated or disposed by CBMWF	: NA																																																			
4	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)																																																				
	: Yellow Category : 230 Kg																																																				
	: Red Category : 154 Kg																																																				
	: White : 138 Kg																																																				
	: Blue Category : 284 Kg																																																				
: General Solid waste : 1.8 Tonn																																																					
5	Details of the Storage, treatment, transportation, processing and Disposal Facility																																																				
	(i) Details of the on-site storage facility	: Length: 10 f, Width: 10 f, Height: 9f																																																			
		: Capacity : 900 ft ³																																																			
		: Provision of on-site storage (cold storage or any other provision) : Does not Required																																																			
	(ii) Disposal facilities	: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Type of treatment Equipment</th> <th>No. of Units</th> <th>Capacity (Kg/day)</th> <th>Quantity treated or disposed/ Annum</th> </tr> </thead> <tbody> <tr> <td>Incinerators</td> <td>1</td> <td>25</td> <td>150 - 180 Kg</td> </tr> <tr> <td>Plasma Pyrolysis</td> <td>0</td> <td>0</td> <td>NA</td> </tr> <tr> <td>Autoclaves</td> <td>1</td> <td>25</td> <td>384 kg</td> </tr> <tr> <td>Microwave</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Hydroclave</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Shredder</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Needle tip cutter or destroyer</td> <td>7</td> <td></td> <td>120 kg</td> </tr> <tr> <td>Sharps Encapsulation or concrete pit</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Deep burial pits</td> <td>1</td> <td>As per standard</td> <td></td> </tr> <tr> <td>Chemical disinfection</td> <td>1% Na2Cl</td> <td>10 kg Bucket</td> <td>For internal use only</td> </tr> <tr> <td>Any other treatment equipment</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Type of treatment Equipment	No. of Units	Capacity (Kg/day)	Quantity treated or disposed/ Annum	Incinerators	1	25	150 - 180 Kg	Plasma Pyrolysis	0	0	NA	Autoclaves	1	25	384 kg	Microwave	0	0	0	Hydroclave	0	0	0	Shredder	0	0	0	Needle tip cutter or destroyer	7		120 kg	Sharps Encapsulation or concrete pit	0	0	0	Deep burial pits	1	As per standard		Chemical disinfection	1% Na2Cl	10 kg Bucket	For internal use only	Any other treatment equipment			
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(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum	: Nil																																																				
(iv) No of vehicles used for collection and transportation of biomedical waste	: Not Applicable because all the waste is being treated inside the hospital only																																																				
(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum			Quantity Generated	Where disposed																																																	
	Incineration Ash	12 kg		Ash pit																																																	
	ETP Sludge																																																				
(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	: NA																																																				
(vii) List of member HCF not handed over bio-medical waste.	: NA																																																				

6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	: No
7	Details trainings conducted on BMW	
	(i) Number of trainings conducted on BMW Management	: 6
	(ii) number of personnel trained	: 60
	(iii) number of personnel trained at the time of induction	: Not applicable because of no new entry
	(iv) number of personnel not undergone any training so far	: 60
	(v) whether standard manual for training is available?	: Yes
	(vi) any other information	: No
8	Details of the accident occurred during the year	
	(i) Number of Accidents occurred	: 0
	(ii) Number of the persons affected	: NA
	(iii) Remedial Action taken (Please attach details if any)	: NA
	(iv) Any Fatality occurred, details.	: NA
9	Are you meeting the standards of Air Pollution from the incinerator?	: Yes
	How many times in last year could not met the standards?	: 0
	Details of Continuous online emission monitoring systems installed	: No
10	Liquid waste generated and treatment methods in place How many times you have not met the standards in a year?	: 0
11	Is the disinfection method or sterilization meeting the log 4 standards?	: Yes
	How many times you have not met the standards in a year?	: 0
12	Any other relevant information	: Air Pollution Control Devices attached with the Incinerator

Certified that the above report is for the period from 01.01.2016 - 31.12.2016.

Date: 05.04.2017
Place: Noamundi


25/04/17

DR. DHIRENDRA KUMAR (Chief Medical Officer)
Name and Signature of the Head of the Institution

Chief Medical officer (Mines)
Tata Steel Hospital, Noamundi