



The Member Secretary,
State Pollution Control Board,
T.A. Division (Ground Floor),
H.E.C. Dhurva, Ranchi – 834004
Jharkhand

WBD/HAMED/303 / 2018
Date: 18.06.2018

Subject: Submission of Annual Bio-Medical Waste Return of Tata Central Hospital, West Bokaro Division for the year 2017

Dear Sir,

Kindly find the attached Annual Bio-medical Waste Return of Tata Central Hospital, West Bokaro Division for the year 2017 in the prescribed format "Form-IV" as per Bio-medical Waste Management Rules, 2016.

Kindly acknowledge the same. We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance which shall certainly help us in our endeavor for further improve upon our Environmental Management practices.

Thanking you,
Yours sincerely,

Dr. B. R.P. Rao
Chief Medical Officer
West Bokaro

Encl: As Above

Copy to : The Regional Officer, State Pollution Control Board, PTC Chowk, Matwari, Hazaribagh – 825301 (Jharkhand)



TATA STEEL LIMITED

West Bokaro Division Ghatotand Jharkhand 825 314 India
Tel 91 6545 262356 (O) Fax 91 6545 262221 262172

Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001
Tel 91 22 66658282 Fax 91 22 66657724

Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

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 year occupier of the health care facility (HCF) or common bio-medical waste facility (CBWTF)]


Sl. No.	Particulars	
1.	Particulars of the Occupier	
	(i) Name of the authorised person (occupier or operator of facility) :	Dr. B. R. P. Rao (Chief Medical Officer)
	(ii) Name of HCF or CBMWTF :	TATA Central Hospital, West Bokaro Division
	(iii) Address for Correspondence :	Tata Central Hospital, West Bokaro Division,
	(iv) Address of Facility :	TATA Steel Ltd., PO.:Ghatotand
	(v) Tel. No., Fax. No. :	Dist.: Ramgarh, Jharkhand - 825314
	(vi) E-mail ID :	Phone: 06545-262355
	(vii) URL of Website :	Fax No. 06545-262221 Email: brp@tatasteel.com Website: www.tatasteelindia.com
	(viii) GPS co-ordinates of HCF or CBMWTF :	Lat - 23° 47' 13.92" N Lon - 85 ° 33' 14.74" E
	(ix) Ownership of HCF or CBMWTF :	Tata Steel Limited
	(x) Status of Authorisation under the Bio-Medical Waste (Management & Handling) Rules :	Authorization granted by JSPCB vide letter no. JSPCB/HO/RNC/BMW-147561/2018/26 dated: 07.05.2018, valid till 06.05.2021
	(xi) Status of Consents under Water Act and Air Act :	CTO granted by JSPCB vide letter no. JSPCB/HO/RNC/CTO-1983345/2018/626 dated: 26.03.2018 valid till 25.03.2023
2.	Types of Health Care Facility	
	(i) Bedded Hospital :	62 nos.
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary or any other) :	Four dispensaries are being operated centrally from Hospital.
	(iii) License number and its date of expiry :	Hospital is registered as per Clinical Establishment Act (Registration & Regulation) 2010 from Govt. of Jharkhand & subsequently applied for renewal. Registration No.: 2036100015, dated: 04.11.2016
3.	Details of CBMWTF	
	(i) Number healthcare facilities covered by CBMWTF :	Not Applicable
	(ii) Number of beds covered by CBMWTF :	
	(iii) Installed treatment and disposal capacity of CBMWTF :	
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF :	
4.	Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	Yellow Category: 626.62 kg & 33.16 KL Red Category: 553.50 KG White: 34.17 KG Blue Category: 554.10 KG
5.	Details of Storage, Treatment, Transportation, Processing & Disposal Facility	
	(i) Details of the on-site storage :	Size: H = 1 m, Dia = 0.5 m Capacity: 100 li Buckets are kept in ward and waste is being directly handed over from ward.

Sl. No.	Particulars																																																			
	(ii) Details of Disposal facilities		<table border="1"> <thead> <tr> <th data-bbox="882 170 1098 327">Type of treatment equipment</th> <th data-bbox="1098 170 1193 327">No of units</th> <th data-bbox="1193 170 1331 327">Capacity (kg/day)</th> <th data-bbox="1331 170 1506 327">Quantity treated or disposed in kg per annum</th> </tr> </thead> <tbody> <tr> <td>Incinerators</td> <td>0</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Plasma Pyrolysis</td> <td>0</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Autoclaves</td> <td>0</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Microwave</td> <td>0</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Hydroclave</td> <td>0</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Shredder</td> <td>0</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Needle tip cutter or Destroyer Sharps</td> <td>15</td> <td>60 needle/min</td> <td>4.1 kg</td> </tr> <tr> <td>Encapsulation or Concrete pit</td> <td>0</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Deep burial pits</td> <td>0</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Chemical Disinfection</td> <td>2</td> <td>20 KL</td> <td>33.16 KL</td> </tr> <tr> <td>Any other treatment equipment</td> <td>0</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>		Type of treatment equipment	No of units	Capacity (kg/day)	Quantity treated or disposed in kg per annum	Incinerators	0	NA	NA	Plasma Pyrolysis	0	NA	NA	Autoclaves	0	NA	NA	Microwave	0	NA	NA	Hydroclave	0	NA	NA	Shredder	0	NA	NA	Needle tip cutter or Destroyer Sharps	15	60 needle/min	4.1 kg	Encapsulation or Concrete pit	0	NA	NA	Deep burial pits	0	NA	NA	Chemical Disinfection	2	20 KL	33.16 KL	Any other treatment equipment	0	NA	NA
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	(iii) Quantity of recyclable wastes sold to authorised recyclers after treatment in kg per annum		Nil																																																	
	(iv) No. of vehicles used for collection and transportation of biomedical waste		01 (One)																																																	
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of waste in Kg per annum	:	<table border="1"> <thead> <tr> <th data-bbox="882 1133 1074 1200"></th> <th data-bbox="1074 1133 1273 1200">Quantity Generated</th> <th data-bbox="1273 1133 1473 1200">Where Disposed</th> </tr> </thead> <tbody> <tr> <td>Incineration</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Ash</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>ETP Sludge</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>			Quantity Generated	Where Disposed	Incineration	NA	NA	Ash	NA	NA	ETP Sludge	NA	NA																																				
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	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	:	M/s Bio- Genitic Lab. Pvt. Ltd. At: Jamantand Hesla, Naisarai Road, PO: Ramgarh Cantt, Dist: Ramgarh Lic No. JSPCB/BMW-CBWTF-Auth./295/2011/2523, dated: 03.11.2015																																																	
	(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 meeting held during the reporting period	:	Yes, MoM of Last 2 meetings are attached as Annexure-1.																																																	
7.	Details training conducted on BMW																																																			
	(i) Numbers of training conducted on BMW management	:	20 (twenty)																																																	
	(ii) Number of personnel trained	:	100 (One Hundred)																																																	
	(iii) Number of personnel trained at time of induction	:	100%																																																	
	(iv) Number of personnel not undergone any training so far	:	Nil (Zero), All paramedical staff & healthcare workers undergone for BMW training																																																	
	(v) Whether standard manual for training is	:	Yes																																																	

Sl. No.	Particulars	
	available?	
	(vi) Any other information	: All healthcare workers undergone for immunization for Hepatitis B & Tetanus regularly.
8.	Details of the accident occurred during the year	
	(i) Number of Accidents occurred	: Nil
	(ii) Number of the person affected	: Nil
	(iii) Remedial Action taken (Please attach details if any)	: Nil
	(iv) Any facility occurred, details	: Nil
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	: NA because no incineration process is in use at hospital.
	Details of continuous online emission monitoring systems installed	:
10.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	: Yes, all liquid waste generated being pre-tested and neutralized for 10% sodium hypo chloride dosing. All the times we have met the required standard.
11.	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	: None
12.	Any other relevant information	: NA

Certified that the above report is for the period from January 2017 to December 2017.

Date: 18.06.2018
Place: Ghatotands


Dr. B. R. P. Rao (Chief Medical Officer)
Chief Medical Officer
West Bokaro

Internal Communication Form**Key discussion points of BMW Review**

Date : 9 th Oct, 2017	Day : Monday
Time : 16:00 P.M. to 17:30 P.M.	Venue : CMO's Office

INVITEES

Name	Designation	Name	Designation
Dr. B R P Rao (BRPR)	Chief Medical Officer	Mr. Utsav Kashyap (UK)	Sr. Manager (E&F)
Dr. U K Patowary (UKP)	Dy. Chief Medical Officer	Mr. Vikas Tirkey (VT)	
Dr. Prerna Roy (PR)		Mrs. Gauri Dutta (GD)	
Mr. Saifi Zama (SZ)			

*Persons who could not attend

Sl. No.	Discussion Point	Action	Action by
1.	Training to all health care workers and others, involved in handling of bio medical waste	Quarterly training to be imparted	PR & SZ
2.	Segregation of Bio Medical Waste as per categories defined in BMW Rules 2016	Continuous Segregation process is in place	VT
3.	Ensure Non Chlorinated Plastic bags procurement	100 % Complied	SZ
4.	Immunization of all health worker involved in BMW	100% immunization completed for all workers and records maintained	PR
5.	Pre-treatment of Liquid Waste	Ensuring 100% Neutralization of liquid waste by 10% hypochlorite solution	BRPR
6.	BMW Register	Maintenance of BMW register on day to day basis	VT
7.	Annual BMW Report Submission before 30 th June	Submitted vide letter no. WBD/4012/064/2017 dated: 20.06.2017	BRPR
8.	Annual Report upload on company's website	Annual Report uploaded on company' website	SZ
9.	BMW Transportation	Ensuring Safe transportation to JSPCB approved CBMWTF	SZ

Prepared by:
Name: Saifi Zama

Sign:



TATA STEEL

Internal Communication Form

Key discussion points of BMWM Review

Date : 8 th Mar, 2018	Day : Thursday
Time : 11:00 P.M. to 12:30 P.M.	Venue : CMO's Office

INVITEES

Name	Designation	Name	Designation
Dr. B R P Rao (BRPR)	Chief Medical Officer	Mr. Utsav Kashyap (UK)	Sr. Manager (E&F)
Dr. U K Patowary (UKP)	Dy. Chief Medical Officer	Mr. Vikas Tirkey (VT)	
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Prepared by:
Name: Saifi Zama

Sign:

