



EMD/C-27 / 257/2021

June 6, 2021

Member Secretary

Jharkhand State Pollution Control Board

T.A. Division Building

HEC Campus, Dhurwa

RANCHI- 834 004

Subject: Submission of Annual Report for the year **2020 of Tata Main Hospital**, Tata Steel Limited at Jamshedpur under Bio-Medical Waste Management Rules, 2016 & its amendment.

Dear Sir,

This has reference to captioned subject that we are submitting herewith the Annual Report for the year **2020 of Tata Main Hospital**, Tata Steel Limited at Jamshedpur under rule of 13 of Bio-Medical Waste Management Rules, 2016 for your kind information and perusal please.

We trust you will find the report in order.

Thanking you

Yours faithfully,

For Tata Steel Limited

Raju Agrawal

Head, Environment Clearance & Compliance (TSL)

Encl: As above

Copy to: Regional Officer, Jharkhand State Pollution Control Board, Jamshedpur

TATA STEEL LIMITED

Jamshedpur 831 001 India

Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India

Tel 91 22 66658282 Fax 91 22 66657724

Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

Form - IV
(See rule 13)
ANNUAL REPORT

Bio-Medical Waste Management Rules, 2016.

[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 2020, by the occupier of health care facility (HCF) or ~~common bio-medical waste treatment facility (CBWTF).~~

Sl. No.	Particulars	
1	a. Particulars of the Occupier	
	(i) Name of the authorized person (occupier or operator of the facility)	Air Vice Marshal (Retd.) Dr. Sudhir Rai
	(ii) Name of HCF or CBMWTF	Tata Main Hospital
	(iii) Address for Correspondence	Northern Town, Bistupur, Jamshedpur-831001
	(iv) Address of Facility	Tata Main Hospital, Tata Steel Ltd., Jamshedpur.
	(v) Tel. No, Fax. No	0657-2224559, 0657-2423525
	(vi) E-mail ID	Raju.agrawal@tatasteel.com
	(vii) URL of Website	www.tatamainhospital.com
	(viii) GPS coordinates of HCF or CBMWTF	Latitude 22.801 Longitude 86.180
	(ix) Ownership of HCF or CBMWTF	Private (State Government or Private or Semi Govt. or any other)
	(x) Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	Applied JSPCB/HO/RNC/BMW-1661053/2017/40 dt. 12.11.17. Valid up to 31.12.2020. New application is applied
	(xi). Status of Consents under Water Act and Air Act	Valid JSPCB/HO/RNC/CTO-8806834/2020/1648 dated 02.10.2020 validity 31/12/2025
2	Type of Healthcare Facility	
	(i) Bedded Hospital	Multi Super Specialty Hospital No. of Beds: 915
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	1. TMH Clinic Baridih 2. TMH Clinic Kadma 3. TMH Clinic Sakchi 4. TMH Clinic Sidgora 5. TMH Clinic Sonari 6. TMH Clinic South Park 7. TMH Clinic Tube 8. TMH Clinic Uliyan 9. TMH Clinic ADMH Note: Bio-Medical waste of all non-bedded hospital comes centrally to TMH and then send for disposal to CBMWTF

	(iii) License number and its date of expiry	SG31072/30414/2913 (BISTUPUR) 07.06.2025	
3	Details of CBMWTF		Not Applicable
	(i) Number healthcare facilities covered by CBMWTF		
	(ii) No of beds covered by CBMWTF		
	(iii) Installed treatment and disposal capacity of		----- Kg Per day
	(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 & Yearly)	Yellow Category: Monthly Average 18761 kg	Yellow Category 225132 kg
		Red Category: Monthly Average 4601 kg	Red Category: 55209 kg
		White: Monthly Average 95 kg	White: 1138 kg
		Blue Category: Monthly Average 921 kg	Blue Category :11047 kg
5	Details of the Storage, treatment, transportation, processing and Disposal Facility	Color coded bins, covered trolley, Ash Pit, Needle Burner, ETP etc.	
	(i) Details of the on-site storage facility		Size: 92*48 FT (4416 Sqft) Capacity:500Kg/per day Provision of on-site storage (cold storage or any other provision)
	(ii) Disposal facilities Type of treatment Equipment: No of units. Capacity: Quantity Treated or disposed in kg per annum Incinerator ETP Plasma Pyrolysis Autoclaves Microwave Shredder Needle tip cutter or destroyer Sharps encapsulation or concrete pit -- Deep burial pits: Chemical disinfection: - Any other treatment	ETP One each 100 KLD 1000 NA NA	
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum		Red Category (like plastic, glass etc.) 55209 Kg

	(iv) No of vehicles used for collection and transportation of biomedical waste	One	
	v) Details of ETP sludge generated and disposed during the treatment of wastes in Kg per annum	20250 Kg/annum sludge, wet -weight (Generated & Disposed) and ETP Sludge 405 Kg/annum by dry-weight (Generated & Disposed)	
	(vi) Name of the Common Bio-Medical Waste — Treatment Facility Operator through which wastes are disposed of	Adityapur Waste Management Pvt. Ltd., (Seraikela Kharsawan)	
	(vii) List of members HCF not handed over Bio-medical waste	NA	
6	Do you have Bio-medical waste management? If yes, attach minutes of the meetings held during the reporting period	Yes	Minutes of Meeting attached. As Annexure-II
7	Details trainings conducted on BMW (i) Number of trainings conducted on BMW Management. (ii) number of personnel trained (iii) number of personnel trained at the time of induction (iv) number of personnel not undergone any training being conducted on monthly so far (v) whether standard manual for training is available? (vi) any other information)	12 nos. 16 BMW Handlers trained (apart from all other staff) 100% induction to all staff joining organization Nil Yes, with Infection control committee	
8	Details of the accident occurred during the year (i) Number of Accidents occurred (ii) Number of the persons affected (iii) Remedial Action taken (Please attach details if any) (iv) Any Fatality occurred	Nil Nil NA Nil	
9	Are you meeting the standards of air pollution; from the incinerator, How many times in last year could not meet the standards?	NA, as we are sending all BWM to CBWMTF	
10	Details of Continuous online emission monitoring systems installed	NA	
11	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		34383 Ltr. Liquid waste generated. Meeting the prescribed standards.

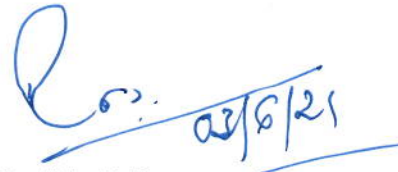
12	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?		Meeting Standards
13	Any other relevant information	NA	NA

Certified that the above report is for the period from 01.01.2020 to 31.12.2020

Date:

Place: Jamshedpur

Encl: 1. Annexure-I
2. Annexure -II



Dr. Sudhir Rai
General Manager Medical Services
Tata Main Hospital
General Manager (Medical Services)
TATA STEEL LIMITED

Annexure I

Tata Main Hospital, Jamshedpur														
Details of Bio Medical Waste Generation (2020)														
Category	Type of Waste (Kg)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2020
Yellow	(a) Human Anatomical Waste	207	191	164	94	180	417	630	3379	3181	1670	615	529	11257
	(b) Animal anatomical Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	(c) Soiled Waste	3802	3519	3026	1727	3302	7678	11592	62169	58533	30730	11313	9730	207121
	(d) Expired or Discarded Medicine	0	0	0	0	0	0	0	0	0	180	0	0	180
	(e) Chemical Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	(f) Microbiology, Biotechnology and other clinical laboratory waste	124	115	99	56	108	250	378	2027	1909	1002	369	317	6754
Sub Total (Yellow)		4133	3825	3289	1877	3590	8345	12600	67575	63623	33402	12297	10576	225132
Red	(g) Chemical Liquid Waste	2976	2783	2975	2886	2970	2849	2956	2878	2839	2813	2828	2630	34383
	(h) Discarded linen, mattresses, beddings contaminated with blood or	20	25	22	20	25	20	22	20	25	20	22	22	263
	Contaminated Waste. (Recyclable)	3796	3510	2877	1141	3444	3917	4445	6027	9507	7065	4313	5167	55209
Sub Total (Red)		3796	3510	2877	1141	3444	3917	4445	6027	9507	7065	4313	5167	55209
White (Translucent)	Waste Sharps including Metals;	176	164	147	104	152	0	25	27	35	163	74	71	1138
	Sub Total (White)	176	164	147	104	152	0	25	27	35	163	74	71	1138
Blue	(a) Glassware	2081	1931	1699	1109	1626	0	624	632	643	29.7	317	246	10938
	(b) Metal Body implants	21	20	17	11	16	0	6	6	7	0.3	3	2	109
	Sub Total (Blue)	2102	1951	1716	1120	1642	0	630	638	650	30	320	248	11047
Other Solid Waste		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Waste (Kg)		10207	9450	8029	4242	8828	12262	17700	74267	73815	40660	17004	16062	292526

Annexure - II

Biomedical Waste Management Committee - MOM 23/12/2020						
MEMBERS- CMSS, DR MINAKSHI GUPTA, Dr SRIVIDHYA, Sr MARYKUTTY BABU, KUMAR LILANAND						
Sl No.	ASSIGNED ACTION/ISSUES		ASSIGNED DATE	PLAN DUE	STATUS	COMMENTS
1	BMW Committee presentation on 19th Sep, SCG	M Gupta	17-09-2020	19-09-2020	CLOSED	Issues to be highlighted, monitoring needed
2	License renewal	K Lilanand	17-09-2020	25-09-2020	CLOSED	
3	Continuation in usage of colour coded plastic bags and not buckets		23-12-2020	23-12-2020	CLOSED	
4	Training of medical staff in BMW protocol keeping in view increased contract manpower in all levels	M Gupta, Sridaya	23-12-2020	30-03-2021	CLOSED	1st phase training over, Doctors training done