



EMD/C-27 /101 /2022

June 23, 2022

Member Secretary

Jharkhand State Pollution Control Board

T.A. Division Building

HEC Campus, Dhurwa

RANCHI- 834 004

Subject: Submission of Annual Report for the calendar year 2021 of Tata Main Hospital, Tata Steel Limited at Jamshedpur under Bio-Medical Waste Management Rules, 2016 & its amendment.

Reference: Authorization vide Ref no. JSPCB/HO/RNC/BMW-8669788/2022/3 dated 19/01/2022 valid till 31/12/2022

Dear Sir,

This has reference to captioned subject that we are submitting herewith the Annual Report for the calendar year 2021 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

Anoop Srivastava

Head Environment Monitoring, Testing & Analysis (TSJ)

Enclosure 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 2021, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF).

S.No.	Particulars	
1	a. Particulars of the Occupier	
	(i) Name of the authorized person (occupier or operator of the facility)	Mr. T V Narendran CEO & MD, Tata Steel
	(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	anoop.srivastava@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	Valid Authorization No: JSPCB/HO/RNC/BMW- 8669788/2022/3 dt. 19.01.22 valid up to 31.12.22
	(xi) Status of Consents under Water Act and Air Act	Valid JSPCB/HO/RNC/CTO- 8806834/2020/1648 dt. 02.10.2020 validity upto 31.12.2025
2	Type of Healthcare Facility	
	(i) Bedded Hospital	No. of Beds: 983
	(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 Sidhgora

S.No.	Particulars		
		5. TMH Clinic Sonari 6. TMH Clinic South Park 7. TMH Clinic Tubes Division 8. TMH Clinic Uliyan Note: Bio Medical Waste of all non-bedded hospital comes centrally to TMH and then sent for disposal to CBWTF.	
	(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 11269 kg	Yellow Category 135228 kg
		Red Category: Monthly Average 7113 kg	Red Category: 85354 kg
		White: Monthly Average 298 kg	White: 3572 kg
		Blue Category: Monthly Average 61 kg	Blue Category :731 kg
5	Details of the Storage, treatment, transportation, processing and Disposal Facility	Color coded bins, Needle Burner etc.	Color coded bins, covered trolley, Incinerator, Autoclave, Plastic Shredder, 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	ETP One each	

S.No.	Particulars		
	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	100 KLD 1000 NA NA NA	
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum		Red Category (like plastic, glass etc.) 85354 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	12750 Kg/annum sludge, wet-weight (Generated & Disposed) and ETP Sludge 255 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. (Saraikela 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)	10 12 BMW Handlers trained (apart from all other staff) 100% induction to all staff joining organization Nil	

S.No.	Particulars		
		Yes, with Infection control committee Nil	
8	Details of the accident occurred during the year (i) Number of Accidents occurred	Nil	
	(ii) Number of the persons affected	Nil	
	(iii) Remedial Action taken (Please attach details if any)	NA	
	(iv) Any Fatality occurred	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 BMW to CBWTF	
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?		15300 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?		
13	Any other relevant information	NA	NA

Certified that the above report is for the period from 01.01.2021 to 31.12.2021

Date: 29-06-2022

Place: Jamshedpur

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

Air Vice Marshal (Dr.) Sudhir Rai (Retd.)
General Manager (Medical Services)
Tata Steel Limited

Annexure-I

Annexure - I

**Note: Data is inclusive of Covid and Non-Covid Waste generated during the year 2021*

Tata Main Hospital, Jamshedpur Details of Bio Medical Waste Generation (2021)														
Category	Type of Waste (Kg)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2021
Yellow	(a) Human Anatomical Waste	702	449	602	1311	2663	595	316	308	335	318	254	260	8114
	(b) Animal anatomical Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	(c) Soiled Waste	10535	6735	9024	19670	39952	8921	4739	4622	5018	4773	3811	3905	121705
	(d) Expired or Discarded Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
	(e) Chemical Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	(f) Microbiology, Biotechnology and other clinical laboratory waste	468	299	401	874	1776	396	211	205	223	212	169	174	5409
	Sub Total (Yellow)	11706	7483	10027	21856	44391	9912	5266	5135	5576	5303	4234	4339	135228
	(g) Chemical Liquid Waste	1275	1530	1530	1020	1785	1020	1275	1020	1785	1530	1020	510	15300
	(h) Discarded linen, mattresses, beddings contaminated with blood or body fluid	2553	2233	2303	1956	2139	1041	956	1433	1529	1542	1833	2099	21617
Red	Contaminated Waste (Recyclable)	5763	7323	4936	10247	2653	5009	9175	7999	9278	8209	7179	7583	85354
	Sub Total (Red)	5763	7323	4936	10247	2653	5009	9175	7999	9278	8209	7179	7583	85354
White (Translucent)	Waste Sharps including Metals:	180	242	154	294	149	3	78	458	480	560	512	462	3572
	Sub Total (White)	180	242	154	294	149	3	78	458	480	560	512	462	3572
Blue	(a) Glassware	356	0	306	0	54	7	0	0	0	0	0	0	724
	(b) Metal Body Implants	4	0	3	0	1	0	0	0	0	0	0	0	7
	Sub Total (Blue)	360	0	309	0	55	7	0	0	0	0	0	0	731
	Other Solid Waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Waste (Kg)	18009	15048	15426	32397	47248	14931	14519	13592	15334	14072	11925	12384	224885

Annexure – II

Minutes of Meeting

Name of the Meeting : Biomedical Waste Management Committee (TMH and Clinics)

Held On : 25/12/21

Time : 17:00 – 17.30PM

Members: -

Sl. No.	Designation / Appointment	Name
1	Chairman	Dr Sudhir Mishra
2	Convener	Dr Minakshi Gupta
3	Head Admin	Dr Chirantan Bose
4	Nursing Superintendent	Sr Mary Kuty Babu
5	Sr Manager, Administration	Kumar Lilanand

- Guest – Mr Dipanand Pradhan

Minutes

Sl. No.	Points / Issues	Action by	Completion date by	Status
1	Review of current Biomedical Waste Mngment policy, with emphasis on COVID requirements	All representatives	10 /07/21	Done
2	Identifying gaps as per new policy	All representatives	10 /07/21	Done
3	Revision of Manual	Dr Srividhya Dr M Gupta	20 /07/21	Done
4	Requirement/Feasibility of implementing barcoding at point of origin of waste, rather at disposal site from hospital	All members	10 /07/21	Done
5.	Compliance to labelling waste bags at ward level	Kumar Lilanand	07/07/21	Done
7.	Visit to Adityapur facility, may be at 6 monthly intervals to crosscheck compliance with safe disposal as per policy, approval to be taken from Sr Mngment	Dr Srividhya Dr M Gupta Kumar Lilanand	10/07/21	Permission given by GMMS
8	Appointing designated Biomedical Nodal Officer	Dr Sudhir Mishra Dr Chirantan	15/12/21	To be discussed with GMMS
9	Non-infectious waste to go into black in COVID wards	Dr Chirantan Mr Lilanand		Decision pending To be taken with JUSCO
10	Training classes to be reemphasized and taken along with ICC classes for all	Dr Minakshi Gupta Dr Srividhya		Ongoing

A. Minuted by: -

Name: - Dr Minakshi Gupta