



EMD/C-27/105 /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 TMH Clinics (08 Nos.) Tata Steel Limited at Jamshedpur under Bio-Medical Waste Management Rules, 2016 & its amendment.

Reference:

1. One-time Authorization vide Ref no. JSPCB/RO/JSR/BMW-7446674/2020/2, dated 11/02/2020.
2. One-time Authorization vide Ref no. JSPCB/RO/JSR/BMW-7458029/2020/3, dated 11/02/2020.
3. One-time Authorization vide Ref no. JSPCB/RO/JSR/BMW-7457954/2020/4, dated 11/02/2020.
4. One-time Authorization vide Ref no. JSPCB/RO/JSR/BMW-7457992/2020/5, dated 11/02/2020.
5. One-time Authorization vide Ref no. JSPCB/RO/JSR/BMW-7457978/2020/6, dated 11/02/2020.
6. One-time Authorization vide Ref no. JSPCB/RO/JSR/BMW-7458106/2020/7, dated 11/02/2020.
7. One-time Authorization vide Ref no. JSPCB/RO/JSR/BMW-7458021/2020/8, dated 11/02/2020.
8. One-time Authorization vide Ref no. JSPCB/RO/JSR/BMW-7458061/2020/9, dated 11/02/2020.

Dear Sir,

This has reference to captioned subject that we are submitting herewith the Annual Report for the calendar year 2021 of TMH Clinics (08 Nos.) 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.

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

Thanking you

Yours faithfully,
For Tata Steel Limited

Anoop Srivastava

Anoop Srivastava
Head Environment Monitoring, Testing & Analysis (TSJ)

Enclosures 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, Kadma Clinic
	(iii) Address for Correspondence	Besides Rankini Mandir, 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 JSPCB/RO/JSR/BMW-7464043/2020/1 11/02/2020
	(xi) Status of Consents under Water Act and Air Act	Not Applicable Not Applicable
2	Type of Healthcare Facility	
	(i) Bedded Hospital	No. of Beds: 0
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	1.M/s Tata Main Hospital, Clinic, ADMH Complex, Tata Steel Limited, Jamshedpur, Medical Corridor, Tube Colony, Tin Plate Basti Note: Bio-Medical waste of all non-bedded hospital comes centrally to TMH and then send for disposal to CBMWTF

S.No.	Particulars		
	(iii) License number and its date of expiry	Clinical Establishment: 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 1.2 kg	Yellow Category 14.0 kg
		Red Category: Monthly Average 0 kg	Red Category: 0 kg
		White: Monthly Average 1.6 kg	White: 14 kg
		Blue Category: Monthly Average 0 kg	Blue Category: 0 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		Not Applicable
	(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: -	Not Applicable 4	

S.No.	Particulars		
	Any other treatment		
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum		Red Category (like plastic, glass etc.) 0 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	Not Applicable.	
	(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	Nil	
	(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 BWM to CBWMTF	

S.No.	Particulars		
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?		Not Applicable
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 01.01.2021 to 31.12.2021

Date: 23-06-2022

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

TMH Clinic ADMH Complex														
Details of Bio Medical Waste Generation(2021)														
S. No	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A	White	0.0	0.0	1.6	1.9	1.5	1.5	1.5	1.6	0.7	0.7	1.0	2.0	14.0
B	Yellow	0.0	0.0	1.4	1.1	1.1	1.0	0.5	0.4	1.3	1.3	2.0	1.0	11.1
C	Red	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D	Blue	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Waste (Kg)		0.0	0.0	3.0	3.0	2.6	2.5	2.0	2.0	2.0	2.0	3.0	3.0	25.1

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 Kutty 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

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, Sakchi Clinic
	(iii) Address for Correspondence	Babri Road, Sakchi, 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 JSPCB/RO/JSR/BMW-7458029/2020/3 11/02/2020
	(xi) Status of Consents under Water Act and Air Act	Not Applicable Not Applicable
2	Type of Healthcare Facility	
	(i) Bedded Hospital	No. of Beds: 0
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	1. TMH Clinic Sakchi 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

S.No.	Particulars		
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 8.53 kg	Yellow Category 68 kg
		Red Category: Monthly Average 7.96 kg	Red Category: 64 kg
		White: Monthly Average 2.07 kg	White: 17 kg
		Blue Category: Monthly Average 0.92 kg	Blue Category: 5 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		Not Applicable
	(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.	Not Applicable	

S.No.	Particulars		
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum		Red Category (like plastic, glass etc.) 0 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	Not Applicable	
	(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	

S.No.	Particulars		
11	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		Not Applicable
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 01.01.2021 to 31.12.2021

Date: 29/6/22

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

TMH Clinic Sakchi														
Details of Bio Medical Waste Generation(2021)														
S. No	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A	White	0	0	0	0	1	3	2	2	0	3	0	6	17
B	Yellow	0	0	0	0	3	7	12	6	6	3	5	28	68
C	Red	0	0	0	0	3	7	13	4	3	3	3	30	64
D	Blue	0	0	0	0	0	1	0	0	3	2	0	0	5
Total Waste (Kg)		0	0	0	0	7	17	27	11	11	9	7	64	153

Annexure – II

<u>Minutes of Meeting</u>				
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 Kurty Babu		
5	Sr Manager, Administration	Kumar Lijanand		
• 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 Lijanand	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 Lijanand	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 Lijanand		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				

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, Baridih Clinic
	(iii) Address for Correspondence	Near Baridih Recreation Club, 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	ahoop.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 JSPCB/RO/JSR/BMW-7457954/2020/4 11/02/2020
	(xi) Status of Consents under Water Act and Air Act	Not Applicable Not Applicable
2	Type of Healthcare Facility	
	(i) Bedded Hospital	No. of Beds: 0
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	1. TMH Clinic Baridih. Note: Bio-Medical waste of all non-bedded hospital comes centrally to TMH and then send for disposal to CBMWTF

S.No.	Particulars		
	(iii) License number and its date of expiry	Clinical Establishment: 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 10.69 kg	Yellow Category 85.5 kg
		Red Category: Monthly Average 6.34 kg	Red Category: 50.7 kg
		White: Monthly Average 2.43 kg	White: 14.6 kg
		Blue Category: Monthly Average 0.6 kg	Blue Category: 3 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		Not Applicable
	(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:	Not Applicable 2	

S.No.	Particulars		
	Chemical disinfection: - Any other treatment		
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum		Red Category (like plastic, glass etc.) 50.7 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	Not Applicable	
	(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	Nil	
	(i) Number of Accidents occurred		
	(ii) Number of the persons affected	Nil	
	(iii) Remedial Action taken (Please attach details if any)	NA	
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 CBWMTF	

S.No.	Particulars		
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?		Not Applicable
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 01.01.2021 to 31.12.2021

Date : 24-06-2022

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

TMH Clinic Baridih														
Details of Bio Medical Waste Generation(2021)														
S. No	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A	White	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.6	0.0	1.0	1.0	6.0	14.6
B	Yellow	0.0	0.0	0.0	0.0	3.0	9.1	21.5	5.8	0.0	5.6	2.5	38.0	85.5
C	Red	0.0	0.0	0.0	0.0	2.0	7.5	10.5	2.5	3.5	3.5	1.2	20.0	50.7
D	Blue	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0	3.0
Total Waste (Kg)		0.0	0.0	0.0	0.0	5.0	20.6	32.0	13.9	3.5	10.1	4.7	64.0	153.8

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: -

Sr. 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 Kutty Babu
5	Sr Manager, Administration	Kumar Litanand

- Guest – Mr Dipanand Pradhan

Minutes

Sl. No.	Points / Issues	Action by	Completion date by	Status
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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

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, South Park Clinic
	(iii) Address for Correspondence	T.M.H. South Park Clinic, At- Q road, Near Reliance Fresh, Bistupur-831001 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 JSPCB/RO/JSR/BMW-7457992/2020/5 11/02/2020
	(xi) Status of Consents under Water Act and Air Act	Not Applicable Not Applicable
2	Type of Healthcare Facility	
	(i) Bedded Hospital	No. of Beds: 0
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	1. South Park Clinic 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	
	(i) Number healthcare facilities covered by CBMWTF	Not Applicable

S.No.	Particulars		
(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 3.78 kg	Yellow Category 30 kg
		Red Category: Monthly Average 2.85 kg	Red Category: 20 kg
		White: Monthly Average 0.87 kg	White: 6 kg
		Blue Category: Monthly Average 0.2 kg	Blue Category: 1 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		Not Applicable
	(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	Not Applicable 2	
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum		Red Category (like plastic, glass etc.) 0 Kg
	(iv) No of vehicles used for collection and transportation of biomedical waste	One	

S.No.	Particulars		
	v)Details of ETP sludge generated and disposed during the treatment of wastes in Kg per annum.	Not Applicable	
	(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?		Not Applicable

S.No.	Particulars		
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 01.01.2021 to 31.12.2021

Date: 29/6/22

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

TMH Clinic South Park														
Details of Bio Medical Waste Generation(2021)														
S. No	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A	White	0	0	0	0	0	1	1	2	0	1	0	1	6
B	Yellow	0	0	0	0	6	1	6	5	4	5	3	1	30
C	Red	0	0	0	0	0	2	8	4	3	3	0	1	20
D	Blue	0	0	0	0	0	0	0	0	0	0	0	1	1
	Total Waste (Kg)	0	0	0	0	6	5	15	10	6	8	3	4	58

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 Kuityy 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

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, Sonari Clinic
	(iii) Address for Correspondence	Sonari, 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 JSPCB/RO/JSR/BMW-7457978/2020/6 11/02/2020
	(xi). Status of Consents under Water Act and Air Act	Not Applicable Not Applicable
2	Type of Healthcare Facility	
	(i) Bedded Hospital	No. of Beds: 0
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	1. TMH Clinic Sonari 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

S.No.	Particulars		
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 9.33 kg	Yellow Category 74.7 kg
		Red Category: Monthly Average 6.30 kg	Red Category: 50.46 kg
		White: Monthly Average 0.66 kg	White: 3.3 kg
		Blue Category: Monthly Average 2.22 kg	Blue Category: 17.8 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		Not Applicable
	(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	Not Applicable	
		2	

S.No.	Particulars		
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum		Red Category (like plastic, glass etc.) 0 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	Not Applicable	
	(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	

S.No.	Particulars		
11	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		Not Applicable
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 01.01.2021 to 31.12.2021

Date: 29/6/21

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

TMH Clinic Sonari														
Details of Bio Medical Waste Generation(2021)														
S. No	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A	White	0	0	0	0	0	0	0	2	0	0	0	1	3
B	Yellow	0	0	0	0	7	9	8	7	1	4	5	36	75
C	Red	0	0	0	0	5	8	8	5	9	5	0	12	50
D	Blue	0	0	0	0	2	1	1	6	0	3	4	1	18
	Total Waste (Kg)	0	0	0	0	13	17	17	19	10	11	9	50	146

Annexure – II

<u>Minutes of Meeting</u>				
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 Kutty 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 labeling 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				

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 (CBMWTF).]

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	M/s Tata Main Hospital, Clinic , Uliyan,
	(iii) Address for Correspondence	T.M.H. Tata Main Hospital, Clinic , Uliyan, -831005 Jamshedpur
	(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 JSPCB/RO/JSR/BMW-7458106/2020/7 11/02/2020
	(xi) Status of Consents under Water Act and Air Act	Not Applicable Not Applicable
2	Type of Healthcare Facility	
	(i) Bedded Hospital	No. of Beds: 0
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	1. Uliyan, Clinic 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	
	(i) Number healthcare facilities covered by CBMWTF	Not Applicable

S.No.	Particulars		
	(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 6.9 kg	Yellow Category 48.3 kg
		Red Category: Monthly Average 2.81 kg	Red Category: 19.7 kg
		White: Monthly Average 0.35 kg	White: 2.5 kg
		Blue Category: Monthly Average 8.28 kg	Blue Category: 58 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		Not Applicable
	(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	Not Applicable 2	
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum		Red Category (like plastic, glass etc.) 0 Kg
	(iv) No of vehicles used for collection and transportation of biomedical waste	One	

S.No.	Particulars		
	v)Details of ETP sludge generated and disposed during the treatment of wastes in Kg per annum	Not Applicable	
	(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?		Not Applicable

S.No.	Particulars		
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 01.01.2021 to 31.12.2021

Date: 29/6/22

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

TMH Clinic Uliyan														
Details of Bio Medical Waste Generation(2021)														
S. No	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A	White	0	0	0	0	0	1	0	0	0	0	2	0	3
B	Yellow	0	0	0	0	0	6	6	4	0	1	6	26	48
C	Red	0	0	0	0	0	2	5	3	7	1	3	0	20
D	Blue	0	0	0	0	0	1	1	56	0	0	0	0	58
	Total Waste (Kg)	0	0	0	0	0	10	12	62	7	1	10	26	129

Annexure – II

<u>Minutes of Meeting</u>				
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 Kusy 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 Adayapur 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				

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, Tubes Clinic
	(iii) Address for Correspondence	T.M.H. Clinic, Burmamines, Tubes 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 JSPCB/RO/JSR/BMW-7458021/2020/8 11/02/2020
	(xi). Status of Consents under Water Act and Air Act	Not Applicable Not Applicable
2	Type of Healthcare Facility	
	(i) Bedded Hospital	No. of Beds: 0
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	1. TMH Clinic Tubes Note: Bio-Medical waste of all non-bedded hospital comes centrally to TMH and then send for disposal to CBMWTF

S.No.	Particulars		
	(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 4.06 kg	Yellow Category 20.3 kg
		Red Category: Monthly Average 1.71 kg	Red Category: 8.6 kg
		White: Monthly Average 0 kg	White: 0 kg
		Blue Category: Monthly Average 0 kg	Blue Category: 0 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		Not Applicable
	(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: -	Not Applicable 3	

S.No.	Particulars		
	Any other treatment		
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum		Red Category (like plastic, glass etc.) 0 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	Not Applicable	
	(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	Nil	
	(i) Number of Accidents occurred		
	(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 BWM to CBWMTF	

S.No.	Particulars		
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?		Not Applicable
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 01.01.2021 to 31.12.2021

Date: 29/6/22

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

TMH Clinic Tubes														
Details of Bio Medical Waste Generation(2021)														
S. No	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
A	White	0	0	0	0	0	0	0	0	0	0	0	0	0
B	Yellow	0	0	0	0	0	0	0	5	2	7	3	4	20
C	Red	0	0	0	0	0	0	0	2	2	3	2	1	9
D	Blue	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Waste (Kg)		0	0	0	0	0	0	0	6	4	9	6	4	29

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 Kutty 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

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, Sidhgora Clinic
	(iii) Address for Correspondence	T.M.H. Clinic, Cross Road No. 22 Behind Sidhgora Market, Near Ramkrishna Mission School, 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 JSPCB/RO/JSR/BMW-7458061/2020/9 11/02/2020
	(xi) Status of Consents under Water Act and Air Act	Not Applicable Not Applicable
2	Type of Healthcare Facility	
	(i) Bedded Hospital	No. of Beds: 0
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	1. TMH Clinic Sidhgora Note: Bio-Medical waste of all non-bedded hospital comes centrally to TMH and then send for disposal to CBMWTF

S.No.	Particulars	
	(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 10.95 kg Yellow Category 77. kg
		Red Category: Monthly Average 7.2 kg Red Category: 50.4 kg
		White: Monthly Average 0 kg White: 0 kg
		Blue Category: Monthly Average 0.33 kg Blue Category: 2 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	Not Applicable
	(ii) Disposal facilities	Not Applicable
	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	4
	Sharps encapsulation or concrete pit –	
	Deep burial pits:	
	Chemical disinfection: -	

S.No.	Particulars		
	Any other treatment		
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum		Red Category (like plastic, glass etc.) 0 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	Not Applicable	
	(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	Nil	
	(i) Number of Accidents occurred		
	(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 BWM to CBWMTF	

S.No.	Particulars		
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?		Not Applicable
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 01.01.2021 to 31.12.2021

Date: 29/6/22
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

TMH Clinic Sidhgora														
Details of Bio Medical Waste Generation(2021)														
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A	White	0	0	0	0	0	0	0	0	0	0	0	0	0
B	Yellow	0	0	0	0	13	29	6	6	0	4	20	0	77
C	Red	0	0	0	0	9	13	4	4	4	2	16	0	50
D	Blue	0	0	0	0	1	0	0	0	0	0	1	0	2
	Total Waste (Kg)	0	0	0	0	23	42	9	9	4	5	37	0	129

Annexure – II

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• Guest – Mr Dipanand Pradhan				
Minutes				
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A. Minuted by :- Name :- Dr Minakshi Gupta				