



EMD/C-27 /98 /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 First Aid Centres i.e. WPFA & EPFA, 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-7532594/2020/14 dated 16-03-2020.
2. One-time Authorization vide Ref no. JSPCB/RO/JSR/BMW-7533472/2020/16 dated 16-03-2020.

Dear Sir,

This has reference to captioned subject that we are submitting herewith the Annual Report for the calendar year 2021 of First aid Centres i.e. (West Plant First Aid) WPFA & (East Plant First Aid) EPFA Tata Steel Limited 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

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

[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).

Sl no	Particulars		
1	Particulars No.		
	a. Particulars of the Occupier		
	(i) Name of the authorized person (occupier or operator of the facility)	Mr. T.V. Narendran	
	(ii) Name of HCF or CBMWTF	West Plant First Aid Station, Tata Steel Limited	
	(iii) Address for Correspondence	Tata Steel Works, Bistupur, Jamshedpur-831001	
	(iv) Address of Facility	Tata Steel Works, Bistupur, Jamshedpur-831001	
	(v) Tel. No, Fax. No	0657-2424122	
	(vi) E-mail ID		
	(vii) URL of Website		
	(viii) GPS coordinates of HCF or CBMWTF		
	(ix) Ownership of HCF or CBMWTF	Tata Steel Limited	(State Government or Private or Semi Govt. or any other)
	(x) Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	Authorization No.: JSPCB/RO/JSR/BMW-7532594/2020/14, dated 16/03/2020	
	(xi). Status of Consents under Water Act and Air Act		
2	Type of Healthcare Facility	First Aid Station	
	(i) Bedded Hospital	Non-bedded	
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	First Aid Station	
	(iii) License number and its date of expiry	Provisional Registration No:2035700249, dated 09.11.2021	Valid till: 08.11.2022
3	Details of CBMWTF		
	(i) Number healthcare facilities covered by CBMWTF	Not applicable	
	(ii) No of beds covered by CBMWTF	Not applicable	
	(iii) Installed treatment and disposal capacity of	Not applicable	----- Kg Per day
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	Not applicable	

4	Quantity of waste generated or disposed in Kg per annum (on monthly average basis & Yearly)	Yellow Category Monthly Average : 1.84 kg	Yellow Category Yearly Average : 22.11 kg
		Red Category: Monthly Average : 1.82 kg	Red Category Yearly Average : 21.91 kg
		White: Monthly Average : 0.58 kg	White Category Yearly Average : 7.01 kg
		Blue Category Monthly Average : 0.8 kg	Blue Category Yearly Average : 9.55 kg
		General Solid waste	General Solid waste
5	Details of the Storage, treatment, transportation, processing and Disposal Facility	Color coded bins, Needle & Syringe destroyer 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	Bio-Medical Waste collected, transported, treated & disposed by M/s. Adityapur Waste Management Pvt. Ltd., (Common Bio-medical Waste Treatment and Disposal Facility).	
	(iii) Quantity of recyclable wastes sold authorized recyclers after treatment in kg per annum	Not applicable	
	(iv) No of vehicles used for collection and transportation of biomedical waste	Not applicable	
	v) Details of incineration ash and 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	M/s. Adityapur Waste Management Pvt. Ltd.	
	(vii) List of member HCF not handed over Bio-medical waste		
6	Do you have Bio-medical waste management? If yes, attach minutes of the meetings held during the reporting period	It is a non-bedded HCF. Dr. S.S. Biswas, Sr. Registrar is designated person to review and monitor the activities relating to bio-medical waste management.	

7	<p>Details trainings conducted on BMW</p> <p>(i) Number of trainings conducted on BMW Management.</p> <p>(ii) number of personnel trained</p> <p>(iii) number of personnel trained at the time of induction</p> <p>(iv) number of personnel not undergone any training being conducted on monthly so far</p> <p>(v) Whether standard manual for training is available?</p> <p>(vi) any other information</p>	<p>06</p> <p>40</p> <p>100% induction to all staff joining organization</p> <p>Nil</p> <p>Yes.</p> <p>Nil</p>	
8	<p>Details of the accident occurred during the year</p> <p>(i) Number of Accidents occurred</p> <p>(ii) Number of the persons affected</p> <p>(iii) Remedial Action taken (Please attach details if any)</p> <p>(iv) Any Fatality occurred</p>	<p>Nil</p> <p>Nil</p> <p>Not applicable</p> <p>No</p>	
9	<p>Are you meeting the standards of air Pollution; from the incinerator How many times in last year could not met the standards?</p>	Not applicable	
	<p>Details of Continuous online emission monitoring systems installed</p>	Not applicable	
10	<p>Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?</p>		
11	<p>Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?</p>		
12	<p>Any other relevant information</p>		

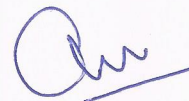
Certified that the above report is for the period from

01.01.2021 to 31.12.2021

Date: 14.05.2022

Place: Jamshedpur

Encl: Annexure-I



(Dr. Abdul Malik)

Signature of the Head of the Institution

Plant Medical Officer
Occupational Health Services
TATA STEEL LIMITED

WEST PLANT FIRST AID STATION ,TATA STEEL LIMITED, JAMSHEDPUR

Details of Bio-Medical Waste Generation (2021)

Category	Type of waste (gm)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2021
YELLOW	a)Human anatomical waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	b)Animal anatomical waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	c)Soiled waste	1820	1350	1580	1550	1280	1800	2050	2000	2500	2400	2000	1780	22110
	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 or other clinical waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sub Total (Yellow)	1820	1350	1580	1550	1280	1800	2050	2000	2500	2400	2000	1780	22110
RED	g)Chemical Liquid waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	h)Discarded linen,matresses contaminated with blood & body fluid.	0	0	0	0	0	0	0	0	0	0	0	0	0
	i)contaminated waste Recyclable	2300	1550	700	2300	1800	2000	2100	2500	1665	1750	1550	1700	21915
	Sub Total (Red)	2300	1550	700	2300	1800	2000	2100	2500	1665	1750	1550	1700	21915
White (Transluscent)	Waste sharp including metals	600	500	560	600	450	400	900	700	800	700	400	400	7010
	Sub Total (White)	600	500	560	600	450	400	900	700	800	700	400	400	7010
BLUE	a)Glassware	350	235	460	580	585	900	700	2069	1500	780	1200	190	9549
	b) Metal body implant	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sub Total (Blue)	350	235	460	580	585	900	700	2069	1500	780	1200	190	9549
	Other solid waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total waste	5070	3635	3300	5030	4115	5100	5750	7269	6465	5630	5150	4070	60584

Form - IV

(See rule 13)

ANNUAL REPORT

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	(ii) Name of HCF or CBMWTF	East Plant First Aid Station, Tata Steel Limited	
	(iii) Address for Correspondence	Tata Steel Works, Bistupur, Jamshedpur-831001	
	(iv) Address of Facility	Tata Steel Works, Bistupur, Jamshedpur-831001	
	(v) Tel. No, Fax. No	0657-2424122	
	(vi) E-mail ID		
	(vii) URL of Website		
	(viii) GPS coordinates of HCF or CBMWTF		
	(ix) Ownership of HCF or CBMWTF	Tata Steel Limited	(State Government or Private or Semi Govt. or any other)
	(x) Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	Authorization No.: JSPCB/RO/JSR/BMW-7533069/2020/15 16/03/2020.	
	(xi). Status of Consents under Water Act and Air Act		
2	Type of Healthcare Facility	First Aid Station	
	(i) Bedded Hospital	Non-bedded	
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	First Aid Station	
	(iii) License number and its date of expiry	Provisional registration No:2035700248, dated 09.11.2021	Valid till: 08.11. 2022
3	Details of CBMWTF		
	(i) Number healthcare facilities covered by CBMWTF	Not Applicable	
	(ii) No of beds covered by CBMWTF	Not Applicable	
	(iii) Installed treatment and disposal capacity of	Not Applicable	----- Kg Per day
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	Not Applicable	

4	Quantity of waste generated or disposed in Kg per annum (on monthly average basis & Yearly)	Yellow Category Monthly Average : 0.84 kg	Yellow Category Yearly Average : 10.12 kg
		Red Category: Monthly Average : 0.70 kg	Red Category Yearly Average : 8.46 kg
		White: Monthly Average : 0.32 kg	White Category Yearly Average : 3.82 kg
		Blue Category Monthly Average : 0.34 kg	Blue Category Yearly Average : 4.06 kg
		General Solid waste	General Solid waste
5	Details of the Storage, treatment, transportation, processing and Disposal Facility	Color coded bins, Needle & Syringe destroyer 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	Bio-Medical Waste collected, transported, treated & disposed by M/s. Adityapur Waste Management Pvt. Ltd., (Common Bio-medical Waste Treatment and Disposal Facility).	
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	(vi) Name of the Common Bio-Medical Waste — Treatment Facility Operator through which wastes are disposed of	M/s. Adityapur Waste Management Pvt. Ltd.	
	(vii) List of member HCF not handed over Bio-medical waste	Not applicable	
6	Do you have Bio-medical waste management? If yes, attach minutes of the meetings held during the reporting period	It is a non-bedded HCF. Dr. Sandeep Kumar, Sr. Registrar is designated person to review and monitor the activities relating to bio-medical waste management.	

7	<p>Details trainings conducted on BMW</p> <p>(i) Number of trainings conducted on BMW Management.</p> <p>(ii) number of personnel trained</p> <p>(iii) number of personnel trained at the time of induction</p> <p>(iv) number of personnel not undergone any training being conducted on monthly so far</p> <p>(v) Whether standard manual for training is available?</p> <p>(vi) any other information</p>	<p>06</p> <p>40</p> <p>100% induction to all staff joining organization</p> <p>Nil</p> <p>Yes.</p> <p>Nil</p>	
8	<p>Details of the accident occurred during the year</p> <p>(i) Number of Accidents occurred</p> <p>(ii) Number of the persons affected</p> <p>(iii) Remedial Action taken (Please attach details if any)</p> <p>(iv) Any Fatality occurred</p>	<p>Nil</p> <p>Nil</p> <p>Not applicable</p> <p>No</p>	
9	<p>Are you meeting the standards of air Pollution; from the incinerator How many times in last year could not met the standards?</p>	Not applicable	
	<p>Details of Continuous online emission monitoring systems installed</p>	Not applicable	
10	<p>Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?</p>		
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Certified that the above report is for the period from

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Date: 14.05.2022

Place: Jamshedpur

Encl: Annexure-I



(Dr. Abdul Malik)

Signature of the Head of the Institution

Plant Medical Officer
Occupational Health Services
TATA STEEL LIMITED

EAST PLANT FIRST AID STATION, TATA STEEL LIMITED, JAMSHEDPUR

Details of Bio-Medical Waste Generation (2021)

Category	Type of waste (gm)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2021
YELLOW	a) Human anatomical waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	b) Animal anatomical waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	c) Soiled waste	600	700	800	900	700	950	960	800	1000	850	963	900	10123
	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 or other clinical waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sub Total (Yellow)	600	700	800	900	700	950	960	800	1000	850	963	900	10123
RED	g) Chemical Liquid waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	h) Discarded linen, mattresses contaminated with blood & body fluid.	0	0	0	0	0	0	0	0	0	0	0	0	0
	i) contaminated waste Recyclable	500	480	600	700	480	800	690	1000	1100	680	980	450	8460
	Sub Total (Red)	500	480	600	700	480	800	690	1000	1100	680	980	450	8460
White (Translucent)	Waste sharp including metals	240	300	260	300	350	250	400	360	550	250	360	200	3820
	Sub Total (White)	240	300	260	300	350	250	400	360	550	250	360	200	3820
BLUE	a) Glassware	300	120	150	330	360	370	480	600	600	250	240	260	4060
	b) Metal body implant	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sub Total (Blue)	300	120	150	330	360	370	480	600	600	250	240	260	4060
	Other solid waste	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total waste	1640	1600	1810	2230	1890	2370	2530	2760	3250	2030	2543	1810	26463