

TATA STEEL LIMITED
JHARIA DIVISION

Regional Officer,
Jharkhand State Pollution Control Board,
H.I.G.- 1 Sardar Patel Nagar,
Housing Colony Hirapur,
Dhanbad (Jharkhand).

Ref. No.- JMB/ENV/BMW/75/ 287 /2019

June 28 , 2019

Sub: Annual Report in Form-IV under the Bio-Medical Waste Management Rules -2016 for the period January'18 to December'18 for Tata Central Hospital, Jamadoba

Dear Sir,

With reference to the authorization granted to Tata Central Hospital, Jamadoba under the Bio-Medical Waste Management Rules -2016 vide letter no. D-2349 Dated- 04.08.2014, we are enclosing herewith the Annual Report in prescribed Form-IV.

Kindly acknowledge the receipt of the same.

Thanking you.

Yours faithfully,


Sr. Manager (Environment)

Encl : As above.

Copy to: Member Secretary, Jharkhand State Pollution Control Board, T.A. Bhawan, H.E.C. Campus, Dhurwa, Ranchi, 834004 (Jharkhand).

Copy to : C.M.O. (TCH)

Copy to : Environment Dept.


29/6/19
Jharkhand State Pollution Control Board
Regional Office
Dhanbad

OK
File

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

Sl. No.	Particulars	
1.	Particulars of the Occupier	
	(i) Name of the authorised person (occupier or operator of facility)	: Dr. Vinod Kumar
	(ii) Name of HCF or CBMWTF	: Tata Central Hospital including Dispensaries* (*given as additional details)
	(iii) Address for Correspondence	: Tata Steel Limited, Jharia Division, Jamadoba, Dhanbad. Pin-828112
	(iv) Address of Facility	: Tata Central Hospital, P.O.- Bhaga, Dhanbad, Jharkhand
	(v) Tel. No, Fax. No	: 0326-2320931 0326-2320268
	(vi) E-mail ID	: gmo.jharia@tatasteel.com
	(vii) URL of Website	: www.tatasteel.com
	(viii) GPS coordinates of HCF or CBMWTF	: Latitude: 23°43'02.0"N Longitude: 86°24'09.4"E
	(ix) Ownership of HCF or CBMWTF	: Private
	(x) Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	: Authorisation No.: JSPCB/HO/RNC/BMW-2672871/2018/46 Dated: 24.09.2018 Valid up to: 31.12.2019
	(xi). Status of Consents under Water Act and Air Act	: Consent to Operate Ref. No.: JSPCB/HO/RNC/CTO-1130569/2017/248 Dated: 17.03.2017 Valid up to: 31.12.2019
2.	Type of Health Care Facility	
	(i) Bedded Hospital	: No. of Beds: 135
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	: Dispensaries-6; Feeder Hospital-1; Blood Bank-1; Pathological Laboratory-1
	(iii) License number and its date of expiry	: Registration No.- 2035400654 Valid up to- 18.01.2020
3.	Details of CBMWTF	
	(i) Number healthcare facilities covered by CBMWTF	: Not applicable as all our bio-medical wastes generated at TCH as well as dispensaries are being handled centrally by TCH.
	(ii) No 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 : 1147.0 Kgs per annum			
		:	Red Category : as and when collected			
		:	White : 422.7 Kgs per annum			
		:	Blue Category : as and when collected			
5.	Details of the Storage, treatment, transportation, processing and Disposal Facility:					
	(i) Details of the on-site storage facility	:	Size: Not applicable			
		:	Capacity: Not applicable			
		:	Provision of on-site storage: Not applicable as all the wastes generated are treated/ disposed on daily basis.			
	(ii) Disposal facilities	:	Type of treatment equipment	No of units	Capacity (Kg/day)	Quantity treated or disposed (Kg/annum)
			Incinerator	1	10 Kg/hr	1147.0
			Plasma Pyrolysis	-	-	-
			Autoclaves	1		308
			Microwave	-	-	-
			Hydroclave	-	-	-
		Shredder	1	40 Kg/hr	610	
		Needle tip cutter or Destroyer	20	-	-	
		Sharps Encapsulation or Concrete pit	-	-	-	
		Deep burial pits	1	-	-	
		Chemical Disinfection	4 pits	-	-	
		Any other treatment equipment:	1 ETP	10 KLD	10 KLD	
	(iii) Quantity of recyclable wastes sold to authorised recyclers after treatment in kg per annum.	:	Zero			
	(iv) No. of vehicles used for collection and transportation of biomedical waste	:	One designated vehicle is being used for collection of wastes from all dispensaries of Tata Steel and transported to the central HCF (Tata Central Hospital) located at Jamadoba.			
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	:		Quantity generated	Where disposed	
			Incineration Ash		Deep burial	
			ETP Sludge		Deep burial	
	(vi) Name of the Common Bio- Medical Waste Treatment Facility Operator through which wastes are disposed of.	:	Not applicable.			

	(vii) List of member HCF not handed over bio-medical waste.	:	Not applicable.
6.	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period.	:	Yes, we have one bio-medical waste management committee constituted with members from hospital, administration and Environment management. The meeting of the committee is held every six months.
7.	Details trainings conducted on BMW:		
	(i) Number of trainings conducted on BMW Management	:	Total 1 training on BMW management were conducted in Calendar Year 2018 i.e. Jan'18 to Dec'18.
	(ii) Number of personnel trained	:	Total 17 personnel were trained on BMW management.
	(iii) Number of personnel trained at the time of induction	:	Included in 7(ii)
	(iv) Number of personnel not undergone any training so far	:	None
	(v) Whether standard manual for training is available?	:	Yes
	(vi) Any other information.	:	No
8.	Details of the accident occurred during the year:		
	(i) Number of Accidents occurred	:	Zero
	(ii) Number of the persons affected	:	Zero
	(iii) Remedial Action taken (Please attach details if any)	:	Not applicable
	(iv) Any Fatality occurred, details	:	No
9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not meet the standards?	:	Yes. The standards are being met. We monitor the stack emissions every six months. There have been no instances of non-compliance of the standards.
	Details of Continuous online emission monitoring systems installed	:	There are no such systems installed at the hospital. Although, one CAAQMS (Continuous Ambient Air Quality Monitoring Station) is installed in Jamadoba.
10.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	:	Around 10 KI/day liquid waste is generated. Effluent from the laboratory after analysis is first disinfected in the laboratory and then discharged to a concrete pit while other effluents generated during cleaning/mopping are discharged directly to the pit and then disinfection is done by using 10% Sodium Hypochlorite solution. After which it is diverted to Effluent Treatment Plant (ETP) of 10 KLD capacity. The treated water is used for horticulture and greenbelt development of hospital premises.
11.	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	:	The disinfection is being done as per the bio-medical waste management rules. However, presently we have no facility to check whether the method is meeting the log 4 standards or not. We are in process to engage third party for this assessment.
12.	Any other relevant information	:	No

Certified that the above report is for the period from 01.01.2018 to 31.12.2018.

Vinod Kumar
28/6/19
Name and Signature of the Head of the Institution
Date: 28.06.2019
Place Dhanbad

Additional Details:

List of Dispensaries under Tata Central Hospital:

- 1) Jamadoba Dispensary
- 2) Digwadih Dispensary
- 3) 6&7 Pits Dispensary
- 4) Kalimela Dispensary
- 5) Bhelatand Feeder Hospital
- 6) Sijua Dispensary
- 7) Malkera Dispensary