



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/ 483 /2022

<sup>29<sup>th</sup></sup>  
June 27<sup>th</sup>, 2022

Sub: Annual Report in Form-IV under the Bio-Medical Waste Management Rules -2016 for the period January'21 to December'21 for Tata Central Hospital, Jamadoba.


Dear Sir,

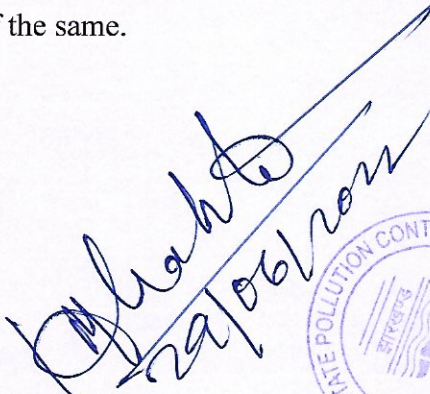

With reference to the authorization granted to Tata Central Hospital, Jamadoba under the Bio-Medical Waste Management Rules -2016 vide letter no. JSPCB/HO/RNC/BMW-8673955/2020/50, Dated- 03/12/2020. we are enclosing herewith the Annual Report in prescribed Form-IV.

Kindly acknowledge the receipt of the same.

Thanking you.

Yours faithfully,

  
Head (Planning)

  
29/06/2022  


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: Environment Dept.

**TATA STEEL LIMITED**

Jharia Collieries Jamadoba 828 112 Dhanbad India  
Tel 91 326 2320263/2320265/2320267 Fax 91 326 2320268  
Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001  
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, 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. Alope  |
|         | (ii) Name of HCF or CBMWTF  | : Tata Central Hospital including Dispensaries*<br>(*given as additional details)                                    |
|         | (iii) Address for Correspondence  | : Tata Steel Limited, Jharia Division,<br>Jamadoba, Dhanbad. Pin-828112  |
|         | (iv) Address of Facility  | : Tata Central Hospital,<br>P.O.- Bhaga, Dhanbad, Jharkhand  |
|         | (v) Tel. No,<br>Fax. No   | : 0326-2320931<br>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<br>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.:<br>JSPCB/HO/RNC/BMW-8673955/2020/50<br>Dated:03.12.2020<br>Valid up to: 31.12.2024              |
|         | (xi). Status of Consents under Water Act and Air Act                                    | : Consent to Operate Ref. No.:<br>JSPCB/HO/RNC/CTO-8144100/2020/1448<br>Dated: 09.09.2020<br>Valid up to: 31.12.2024 |


|   |  |   |                                      |                   |
|---|--|---|--------------------------------------|-------------------|
| 2.  | Type of Health Care Facility   |   |                                      |                   |
| (i) Bedded Hospital   | :  | No. of Beds: 135  |                                      |                   |
| (ii) Non-bedded hospital<br>(Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other) | :  | Dispensaries-5; Feeder Hospital-1;<br>Blood Bank-1;<br>Pathological Laboratory-1  |                                      |                   |
| (iii) License number and its date of expiry   | :  | Registration No.- <b>2035401047</b><br>Valid up to- 30.05.2023  |                                      |                   |
| 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: 954.0 Kgs per annum |                   |
| :   |  | Red Category: 778 kg per annum.   |                                      |                   |
| :   |  | White colour- 272 kg per annum.   |                                      |                   |
| :   |  | Blue Category: 701 kg per annum.  |                                      |                   |
| 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 by CBMWTF   |                                      |                   |
| (ii) Disposal facilities  | :  | Type of treatment equipment   | No of units                          | Capacity (Kg/day) |
|   |  | Quantity treated or disposed (Kg/ annum)  |                                      |                   |
| Incinerator   |  |   | N.A                                  |                   |

|  |   |   |                    |                |        |
|--|---|---|--------------------|----------------|--------|
|  |   | Plasma Pyrolysis  |                    |                | N.A    |
|  |   | Autoclaves  |                    |                | N.A    |
|  |   | Microwave   |                    |                | N.A    |
|  |   | Hydroclave  |                    |                | N.A    |
|  |   | Shredder  |                    |                |        |
|  |   | Needle tip cutter or Destroyer  | 15                 |                |        |
|  |   | Sharps Encapsulation or Concrete pit  |                    |                |        |
|  |   | Deep burial pits  |                    |                |        |
|  |   | Chemical Disinfection   | 2 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  | No generation      | NA             |        |
|  |   | ETP Sludge  | Insignificant      | Deep burial    |        |
| (vi) Name of the Common Bio- Medical Waste Treatment Facility Operator through which wastes are disposed of.         | : | M/s Bio-Genetic Laboratories Pvt. Ltd   |                    |                |        |
| (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 2 training on BMW management were conducted in Calendar Year 2021 i.e. Jan'20 to Dec'20.  |
|     | (ii) Number of personnel trained   | : | Total 48 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? | : | We are disposing our waste through CBMWTF. Incinerator is not in use.   |
|     | 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 at approx. 1.0 km.   |
| 10. | Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?                | : | Around 5 KLD liquid waste is generated.<br><br>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 01.01.2021 to 31.12.2021.

  
 Chief Medical Officer  
 Tata Central Hospital  
 Jamadoba  
 Name and Signature of the Head of the Institution  
 Date: 29/06/2022  
 Place: Jamadoba

Additional Details:

List of Dispensaries & feeder hospital under Tata Central Hospital:

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