



**The Regional Officer,**  
Odisha State Pollution Control Board,  
Dhabalgiri, Near OMC Office, PO- F.C Project  
**J.K. Road-755019, Dist: Jajpur, Odisha.**

Oo

TSK/ENV/C-05/ 12 /2021

16<sup>th</sup> June 2021

Dear Sir,


**Sub: Annual return in Form-IV as per the requirement of Bio Medical Waste Management Rules, 2016.**

We are enclosing herewith the "Annual return in Form-IV, for the period of "January '2020 to December 2020" as per Bio Medical Waste Management Rules, 2016 for your kind information.

We trust the information furnished is in line with the requirement.

Thanking You,

Yours faithfully,  
For **Tata Steel Limited**

  
U S Parkhi  
Head, Environment

Enc: as above

**TATA STEEL KALINGANAGAR**

Jajpur 755 026 India

Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001

Tel 91 22 66658282 Fax 91 22 66657724

Corporate Identity Number L27100MH1907PLC000260 Website [www.tatasteel.com](http://www.tatasteel.com)

**Form - IV**  
**(See rule13)**  
**ANNUAL REPORT**

[To be submitted to the prescribed authority on or before 30<sup>th</sup> 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. Alok Kumar Mishra   |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (ii) Name of HCF or CBMWTF   | : First Aid Centers inside Tata Steel Ltd., KNIC, Jajpur, Odisha- 755026  |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (iii) Address for Correspondence   | : Occupational Health Services<br>Tata Steel Ltd.,<br>Kalinga Nagar Industrial Complex, Jajpur, Odisha-755026   |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (iv) Address of Facility   | : Occupational Health Services<br>Tata Steel Ltd.,<br>Kalinga Nagar Industrial Complex, Jajpur, Odisha-755026   |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (v) Tel. No, Fax. No   | : 06726-660566  |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (vi) E-mail ID   | : env.op@tatasteel.com  |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (vii) URL of Website   | : www.tatasteelindia.com  |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (viii) GPS coordinates of HCF or CBMWTF  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">First Aid Centers</th> <th colspan="2" style="text-align: center;">GPS Coordinates</th> </tr> <tr> <th style="text-align: center;">Latitude</th> <th style="text-align: center;">Longitude</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">(Near SMS)</td> <td style="text-align: center;">20°57'382" (N)</td> <td style="text-align: center;">86°00'842" (E)</td> </tr> <tr> <td style="text-align: center;">(Near RMHS)</td> <td style="text-align: center;">20°58'382" (N)</td> <td style="text-align: center;">86°00'817" (E)</td> </tr> </tbody> </table> | First Aid Centers | GPS Coordinates |  | Latitude | Longitude | (Near SMS) | 20°57'382" (N) | 86°00'842" (E) | (Near RMHS) | 20°58'382" (N) | 86°00'817" (E) |
| First Aid Centers | GPS Coordinates  |   |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | Latitude   | Longitude   |                   |                 |  |          |           |            |                |                |             |                |                |
| (Near SMS)        | 20°57'382" (N)   | 86°00'842" (E)  |                   |                 |  |          |           |            |                |                |             |                |                |
| (Near RMHS)       | 20°58'382" (N)   | 86°00'817" (E)  |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (ix) Ownership of HCF or   | : Private   |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (x). Status of Authorization under the Bio-Medical Waste   | : Authorization No.:553 Dtd. 23/03/2019, which is valid till further order.   |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (xi). Status of Consents under Water Act and Air Act   | : CTO granted by OSPCB for Integrated Steel Plant, which is Valid till 31.03.2022.  |                   |                 |  |          |           |            |                |                |             |                |                |
| 2.                | Type of Health Care Facility   |   |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (i) Bedded Hospital  | : No. of Beds: 02 Nos. of Observation Beds  |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other) | : Two Nos. (2) of First Aid Centers inside Integrated Steel Plant of Tata Steel Ltd. at Kalinganagar Industrial Complex.  |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (iii) License number and its date of expiry  | : NA  |                   |                 |  |          |           |            |                |                |             |                |                |
| 3.                | Details of CBMWTF  | : <b>Not Applicable</b>   |                   |                 |  |          |           |            |                |                |             |                |                |
|                   | (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 CBMWTF:                          | :               | ___ Kg per day<br><b>Not Applicable</b>   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
|                                      | (iv) Quantity of biomedical waste treated or disposed by CBMWTF                     | :               | ___ Kg/day<br><b>Not Applicable</b>   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| 4.                                   | Quantity of waste generated or disposed in Kg per annum (on monthly average basis)  | :               | <b>Bio Medical Waste</b>  | <b>Quantity generated and disposed ( Kg)</b> |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
|                                      |   |                 | Yellow Category   | 10.73  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
|                                      |   |                 | Red Category  | 16.93  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
|                                      |   |                 | White   | 0.28   |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
|                                      |   |                 | Blue Category   | 6.03   |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
|                                      |   |                 | General Solid waste   | NA   |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| 5                                    | Details of the Storage, treatment, transportation, processing and Disposal Facility |                 |   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
|                                      | (i) Details of the on-site storage Facility   | :               | Size: 4 Nos. of color coded bins each of size 20 L<br>Capacity: Total capacity 80 L<br>Provision of on-site storage : (cold storage or any other provision)-<br><b>Wastes are segregated in colour coded containers as referred in BMW Management Rules, 2016.</b>  |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
|                                      | (ii) disposal facilities  | :               | <table border="1"> <thead> <tr> <th>Type of Treatment</th> <th>No. of Units</th> <th>Capacity Kg/Day</th> <th>Quantity Treated or Disposed in Kg/ Annum</th> </tr> </thead> <tbody> <tr> <td>Incinerators</td> <td>Nil</td> <td>-</td> <td>-</td> </tr> <tr> <td>Plasma Pyrolysis</td> <td>Nil</td> <td>-</td> <td>-</td> </tr> <tr> <td>Autoclaves</td> <td>01</td> <td>0.05</td> <td>18</td> </tr> <tr> <td>Microwave</td> <td>Nil</td> <td>-</td> <td>-</td> </tr> <tr> <td>Hydroclave</td> <td>Nil</td> <td>-</td> <td>-</td> </tr> <tr> <td>Shredder</td> <td>Nil</td> <td>-</td> <td>-</td> </tr> <tr> <td>Needle tip cutter or destroyer</td> <td>02</td> <td>0.03</td> <td>10</td> </tr> <tr> <td>Sharps encapsulation or-concrete pit</td> <td>Nil</td> <td>-</td> <td>-</td> </tr> <tr> <td>Deep burial pits</td> <td>Nil</td> <td>-</td> <td>-</td> </tr> <tr> <td>Chemical disinfection</td> <td>Nil</td> <td>-</td> <td>-</td> </tr> <tr> <td>Any other treatment equipment</td> <td>Surgical Instrument Boilers (2 nos.)</td> <td>-</td> <td>-</td> </tr> </tbody> </table> | Type of Treatment                            | No. of Units | Capacity Kg/Day | Quantity Treated or Disposed in Kg/ Annum | Incinerators | Nil | - | - | Plasma Pyrolysis | Nil | - | - | Autoclaves | 01 | 0.05 | 18 | Microwave | Nil | - | - | Hydroclave | Nil | - | - | Shredder | Nil | - | - | Needle tip cutter or destroyer | 02 | 0.03 | 10 | Sharps encapsulation or-concrete pit | Nil | - | - | Deep burial pits | Nil | - | - | Chemical disinfection | Nil | - | - | Any other treatment equipment | Surgical Instrument Boilers (2 nos.) | - | - |  |
| Type of Treatment                    | No. of Units  | Capacity Kg/Day | Quantity Treated or Disposed in Kg/ Annum   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Incinerators                         | Nil   | -               | -   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Plasma Pyrolysis                     | Nil   | -               | -   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Autoclaves                           | 01  | 0.05            | 18  |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Microwave                            | Nil   | -               | -   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Hydroclave                           | Nil   | -               | -   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Shredder                             | Nil   | -               | -   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Needle tip cutter or destroyer       | 02  | 0.03            | 10  |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Sharps encapsulation or-concrete pit | Nil   | -               | -   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Deep burial pits                     | Nil   | -               | -   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Chemical disinfection                | Nil   | -               | -   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |
| Any other treatment equipment        | Surgical Instrument Boilers (2 nos.)  | -               | -   |  |              |                 |   |              |     |   |   |                  |     |   |   |            |    |      |    |           |     |   |   |            |     |   |   |          |     |   |   |                                |    |      |    |                                      |     |   |   |                  |     |   |   |                       |     |   |   |                               |                                      |   |   |  |

|  |   |  |   |                           |                       |
|--|---|--|---|---------------------------|-----------------------|
| 5  | (iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum.                             | :  | Red Category (like plastic, glass etc.)   |                           |                       |
|  | (iv) No of vehicles used for collection and transportation of biomedical waste  | :  | Transportation of Biomedical waste to disposal facility is done by M/s Sani clean Pvt. Ltd. |                           |                       |
|  | (v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum          |  |   | <b>Quantity Generated</b> | <b>Where disposed</b> |
|  |   | Incineration Ash   |   | Nil                       | -                     |
|  |   | ETP Sludge   |   | Nil                       | -                     |
| (vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of | :   | M/s Sani clean Pvt. Ltd<br>PLOT NO. N/4-42-F 401, RANDHA GOVIND ENCLAVE, IRC VILLAGE, NAYAPALLI BHUBANESWAR OR 751015 IN |   |                           |                       |
| (vii) List of member HCF not handed over bio-medical waste.  |   | NA   |   |                           |                       |
| 6  | Do you have bio-medical waste Management committee? If yes, attach minutes of the meetings held during the reporting period   |  | NA  |                           |                       |
| 7  | Details trainings conducted on BMW  |  |   |                           |                       |
|  | (i) Number of trainings conducted on BMW Management.  |  | 08 (Eight)  |                           |                       |
|  | (ii) number of personnel trained  |  | 09 (Nine)   |                           |                       |
|  | (iii) number of personnel trained at the time of induction  |  | Training is provided to all new joiner during induction                                     |                           |                       |
|  | (iv) number of personnel not undergone any training so far  |  | Bio Medical Waste Management Rules, 2016 is referred for training.                          |                           |                       |
|  | (v) Whether standard manual for training is available?  |  | Job specific training is provided to individuals  |                           |                       |
|  | (vi) any other information)   |  | -   |                           |                       |
| 8  | Details of the accident occurred during the year  |  |   |                           |                       |
|  | (i) Number of Accidents occurred  |  | <b>Not Applicable.</b>  |                           |                       |
|  | (ii) Number of the persons affected   |  |   |                           |                       |
|  | (iii) Remedial Action taken (Please attach details if any)  |  |   |                           |                       |
|  | (iv) Any Fatality occurred, details.  |  |   |                           |                       |
| 9  | Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not meet the standard? | :  | <b>Not Applicable</b><br>No incineration Facility.  |                           |                       |

|    |   |  |
|----|---|--|
|    | Details of Continuous online emission monitoring systems installed  | Not applicable                                     |
| 10 | Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?             | Yes.<br>Liquid waste generated meets the standards |
| 11 | Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a | Yes  |
| 12 | Any other relevant information (Air Pollution Control Devices attached with the Incinerator)                                | Not applicable                                     |

Certified that the above report is for the period from January 2020 to December 2020

Date: 16.6.2021

Place: Kalinganagar, Jaipur

Name and Signature of the Head of the Institution

(DR. ALOK KUMAR MISHRA)

DR. ALOK KR. MISHRA  
Senior Registrar, OHS, TSK  
Regd. No. 485/M