



Ref: SCM/ENV/021/024 /18

Date: 16<sup>th</sup> JULY'2018

**Member Secretary**  
**Orissa Pollution Control Board**  
**Paribesh Bhawan**  
**A/118, Nilkantha Nagar**  
**Unit-VIII, Bhubaneswar**


Sub: Submission of Annual Report of Biomedical Waste Management for the Year FY  
2017-18

Dear Sir,

We are furnishing herewith the annual report of Bio- Medical Waste Management for the  
year FY 2017-18 with respect to Sukinda Chromite Mine of Tata Steel Limited for your  
kind perusal.

Thanking You.

Yours faithfully,  
F: Tata Steel Limited

  
Manager  
Sukinda Chromite Mine

Copy to: Regional Officer, OPCB, Pankpal, Kalinganagar, Jajpur-755016.

**TATA STEEL LIMITED**

Sukinda Chromite Mine PO Kalarangiatta Dist Jajpur Orissa 755028

Phone no 91 6726 268765 Fax : 91 6726 268734

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

[www.tatasteel.com](http://www.tatasteel.com)

**FORM -IV**

(See Rule 13)

**ANNUAL REPORT (Fy 2017-18)**

( To be submitted to the prescribed authority by 30 th June every year)

Sl. No.	Particulars		
1	i.Name of the authorised person (occupier/operator)	Rajesh Patel, Mines Manager cum Agent	
	ii.Name of HCF	Sukinda Chromite Mine	
	iii.Address of Correspondence	Tata Steel Limited, PO : Kalarangiatta Dist : Jajpur, Pin: 755028, Fax No: 06726268834	
	iv. Address of Facility		
	v. Telephone / Fax No.		
	vi.E- mail id		
	vii. URL of web site	sabyasachy.mishra@tatasteel.com www.tatasteel.com	
	viii.GPS Coordinates of HCF	Latitude: 21.027722 (N Decimal Degree) Longitude: 85.752258 (E Decimal Degree)	
ix. Ownership of HCF for CBMWTF	Private		
2	Type of Health Care Facility		
	i. Bedded Hospital	30 Beds	
	ii.Non Bedded Hospital (Clinic or Blood Bank or Clinical Labouratory or Research Institute or Veterinary Hospital)	Not Applicable	
	iii.Licence Number and its date of expiry	Applied to Office of the Chief District Medical Officer, Jajpur dated: 27.07.2015	
3	Details of CBMWTF		
	i. Numbers of healthcare facilities covered by CBMWTF	Not Applicable	
	ii.Number of beds covered by CBMWTF		
	iii.Installed treatment and disposal capacity of CBMWTF		
	iv.Quantity of bio medical waste treated or disposed by CBMWTF		
	x. Status of autorisation under the Bio Medical Waste (Management & Handling ) Rules	Bio Medical Waste Authorisation No: 14802//SPCB/ Authorization (BioMedical Waste) Date:08.11.2017/IND-IV-BW-526	
	Status of Consent under Water Act and Air Act	CTO Order No;14781/ IND-I-CON-226dated: 01.10.2016and valid up to 31.03.2020	
	Categories of waste generated and quantity on a monthly average basis		
	Quantity of Waste Generated or disposed in KG per annum (On monthly average basis)	Yellow Category	70.3kg/annum or 0.59 kg / month

		Red Category	10.3kg / annum or 0.86 kg/ month		
		White Category	140.8kg/annum or 11kg /month		
		Blue Category	133.3kg/annum or		
		General Solid Waste	60kg approx		
5	Details of Storage, treatment, transportation, processing and disposal facility				
	i.Details of the on-site storage facility	No waste is stored for more than 48 hours. However, bins of red, yellow,white, blue and black kept at appropriate locations are provided for temporary storage. (Black bins for general solid waste)			
	ii. Details of treatment / disposal facilities	Type of treatment Equipment	No. of Units	Capacity (kg/day)	Quantity treated or disposed in KG/ Annum
		Incinerators	0		
		Plasma Pyrolysis	0		
		Autoclaves	0		151.10kg
		Microwaves	0		
		Hydroclaves	0		
		Shredder	1		151.1kg
		Needle Tip Cutter	2	36000	
		Concrete Pits	2	2m	
		Deep Burial pits	2	2m	
		Chemical disinfection	1	10ltr.	
		Effluent Treatment Plant *	1	45000cu m/hr	178000ltr
	iii. Quantity of recyclable waste sold to authorised recyclers after treatment in kg/annum	10.3kg			
	iv.No. of vehicles used for collection and transportation of biomedical waste	One			
	v.Details of incineration ash and ETP sludge generated and disposed during treatment of waste in Kg/annum	Incineration Ash: Not applicable as there is no incinerator. ETP Sludge: Since ETP treats all mine water along with hospital effluent, total sludge generated due to ETP operations is 98.270 MT during the year FY 2017-18			
	vi. Name of the CBMWTF operator through which wastes are disposed off.	M/s Sani Clean India Pvt. Ltd. Bhubaneswar			
6	Do you have bio medical waste management committee? If yes, then attach minutes of meetings held during the reported period.	Yes, there is bio medical waste management committee. The MOM is attached as Annexure I			

7	Details of training conducted on Bio Medical Waste	Yes,
	i. No. of training conducted on BMW Management	4
	ii. No. of personel trained	12
	iii. No. of persons trained at the time of induction.	4
	iv. No. of persons not undergone any training so far.	Nil
	v. Weather standard manual for training is available?	Yes
	vi. Any other information?	None
8	Details of the accidents occurred during the year.	None
9	Are you meeting the standards of air pollution from incineration?	Not applicable
	Details of continuous online emission monitoring systems installed	Not applicable.
10	Liquid waste geerated and treatment methods in place. How many times you have not met the standards in a year?	Liquid waste generated was treated in the Effluent treatment plant of capacity 4500 m <sup>3</sup> / hour. No violations of standards were observed during the year.
11	Is the disinfection method or sterilisation meeting the log 4 standards? How many times you have not met the standards so far?	Yes, all the standards of sterilization are met and there has been no instance in a year when standards have been violated.
12	Any other relevant information	None.

Date: 14 .07.2018

Place : Sukinda Chromite Mine

Signature  
 Manager  
 Mine, Tata Steel Ltd