

JPL/EMD/BMW/2022/ 58

15/04/2022

The Member Secretary,
Chhattisgarh Environment Conservation Board,
Paryavas Bhavan, North Block Sec.19,
Naya Raipur (C.G.)-490109

Sub.:-Submission of annual report under Bio-Medical Waste Management Rules, 2016 for the Period of January-2021 to December 2021.

Ref.: Authorization no. 2682/HO/BMW/CECB/ATAL NAGAR, RAIPUR issued by CECB, Raipur vide letter no. 6549/BMW/H.O./CECB/2020, Raipur dated 22.10.2020.

Dear Sir,

This has reference to the above cited subject. Enclosed please find herewith the annual report including category wise quantity of bio-medical wastes handled for the period of January 2021 to December 2021 in prescribed **Form-IV** for Health Center, Jindal Power Limited, Tamnar, District: Raigarh (C.G.).
Thanking You.

Yours faithfully,
For Jindal Power Limited,



GM- Environment Management Department

CC:

The Regional Officer, CECB,
T.V. Tower Road, Raigarh, C.G.

for information please

Encl: As above

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)]

For the period from January 2021 to December 2021

Sl. No.	Particulars		
1.	Particulars of the Occupier		
	(i) Name of the authorised person (occupier or operator of facility)	:	C N Singh ED &HOP
	(ii) Name of HCF or CBMWTF	:	Health Centre M/s Jindal Power Limited
	(iii) Address for Correspondence	:	M/s O. P. Jindal Super Thermal Power Plant, Jindal Power Limited. Village & PO.- Tamnar, District-Raigarh (C.G.)
	(iv) Address of Facility	:	Health Centre M/s Jindal Power Limited, Village & PO.- Tamnar, District-Raigarh (C.G.)
	(v) Tel. No, Fax. No	:	07767-302000
	(vi) E-mail ID	:	jpl.emd@jindalpower.com
	(vii) URL of Website	:	http://www.jindalsteelpower.com/
	(viii) GPS coordinates of HCF or CBMWTF	:	NL 22°6'39" EL 83°27'17"
	(ix) Ownership of HCF or CBMWTF	:	M/s Jindal Power Limited
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	One Time Authorization issued vide letter No.: 6549/BMW/HO/CECB/2020, Raipur dt 22.10.2020 Authorization Number 2682/HO/BMW/CECB/Atal Nagar, Raipur.
	(xi). Status of Consents under Water Act and Air Act	:	CECB Consents to Operate under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 for 4 x 250 MW TPP is valid till 30th November, 2024
2	Type of Health Care Facility		
	(i) Bedded Hospital	:	
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	Health Center
	(iii) License number and its date of expiry	:	RAIG0362/CL Expiry date :-27.02.2025
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 CBMWTF:	:	Not Applicable
	(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)	:	Yellow Category : 32.730 KG																																					
			Red Category : 4.160 KG																																					
			White: 4.130 KG																																					
			Blue Category : 4.578 KG																																					
			General Solid waste: 35.090 KG																																					
5	Details of the Storage, treatment, transportation, processing and Disposal Facility																																							
	(i) Details of the on-site storage facility	:	Size : Nil Capacity :																																					
5	(ii) Disposal facilities	:	Provision of on-site storage : (cold storage or any other provision)- Nil																																					
			<table border="1"> <thead> <tr> <th>Type of treatment Equipment</th> <th>No of Units</th> <th>Capacity Kg/ day</th> <th>Quantity Treated or disposed in Kg per annum</th> </tr> </thead> <tbody> <tr> <td>Incinerators</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>Plasma Pyrolysis</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>Autoclaves</td> <td>01</td> <td>10</td> <td>Approx. 16</td> </tr> <tr> <td>Microwave</td> <td>01</td> <td>02</td> <td>Approx. 15</td> </tr> <tr> <td>Hydroclave</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>Shredder</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>Needle tip cutter or Destroyer Sharps encapsulation or concrete pit</td> <td>03</td> <td>03</td> <td>Approx. 4</td> </tr> <tr> <td>Deep burial pits:</td> <td>01</td> <td>(SIZE -2X2X3 MTR)</td> <td></td> </tr> <tr> <td>Chemical Disinfection: Any other treatment equipment:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Type of treatment Equipment	No of Units	Capacity Kg/ day	Quantity Treated or disposed in Kg per annum	Incinerators	0			Plasma Pyrolysis	0			Autoclaves	01	10	Approx. 16	Microwave	01	02	Approx. 15	Hydroclave	0			Shredder	0			Needle tip cutter or Destroyer Sharps encapsulation or concrete pit	03	03	Approx. 4	Deep burial pits:	01	(SIZE -2X2X3 MTR)		Chemical Disinfection: Any other treatment equipment:
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	(iii) Quantity of recyclable wastes sold to authorized recyclers after Treatment in kg per annum.	:	Red Category (like plastic, glass etc.) Nil																																					
	(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	:	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																																					

7	Details trainings conducted on BMW	:	
	(i) Number of trainings conducted on BMW Management.	:	08
	(ii) Number of personnel trained	:	06
	(iii) Number of personnel trained at the time of induction	:	Nil
	(iv) Number of personnel not undergone any training so far	:	Nil
	(v) Whether standard manual for Training is available?	:	SOP Available
	(vi) Any other information)	:	Not Applicable
8	Details of the accident occurred during the year	:	
	(i) Number of Accidents occurred	:	Not Applicable
	(ii) Number of the persons affected	:	Not Applicable
	(iii) Remedial Action taken (Please attach details if any)	:	Not Applicable
	(iv) Any Fatality occurred details.	:	Not Applicable
9	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	:	Not Applicable
	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?	:	The liquid waste generated from lab are disinfected/ treated with hypochlorite solution with a minimum contact period of 30 minutes and then the liquid wastes send to STP with other liquid waste for final treatment and quality of treated waste water conforming to prescribed standards throughout the year.
11	Is the disinfection method or sterilization meeting the log 4 Standards? How many times you have not met the standards in a year?	:	Yes, We are maintaining standards throughout the year.
12	Any other relevant information	:	Brief description of method of treatment and disposal of Bio-Medical Waste is attached as Annexure-1

Certified that the above report is for the period from **01.01.2021 to 31.12.2021**


Name and Signature of the Head of the Institution



Date: 15.4.2022

Place: **Tamnar**

Brief description of method of treatment and disposal of Bio-Medical Waste

(I) Collection and Segregation

Generated Bio-Medical Waste is collected and segregated by providing separate colour coded bins for different category of waste.

(II) Method of Treatment

The generated waste sharps like needles, syringes, blades etc. and solid waste like tubings, plastic bottles etc. are treated with 1% hypochlorite solution with a minimum contact period of 30 minutes and then the wastes are shredded. The generated soiled waste like blood contaminated cotton, dressings etc. are sterilized with steam under particular temperature and pressure by using autoclave technology.

(III) Method of Disposal

The needles, syringes, blades etc. after disinfection and shredding, are disposed in onsite rectangular pit covered with concrete slab.

The soiled and solid wastes are disposed by deep burial method. The soiled and solid wastes are disposed in pit of depth about 2 meters and then covered with lime. The Burial is performed under close and dedicated supervision.