

JPL/EMD/BMW/2022/ 59

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.

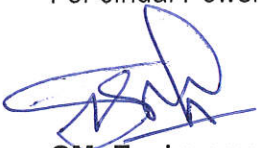
Ref.: Bio-Medical waste authorization Number 451/HO/BMW/CECB/ATAL NAGAR, RAIPUR issued  
vide letter no 6520 / BMW /HO /CECB /2020 Raipur, dated 20/10/2020.

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 M/s O.P. Jindal Hospital & research Center (27 beds), Savitry Nagar Colony,  
Tamnar, 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

Jindal Power Ltd

Registered Office Tamnar 496 107, District Raigarh, Chhattisgarh

T +91 7767 281701-08 / 302000 / 302004 F +91 7767 281995-281993 W [www.jindalpower.com](http://www.jindalpower.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)]

**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)	:	<b>C N Singh ED &amp;HOP</b>
	(ii) Name of HCF or CBMWTF	:	<b>M/s O.P. Jindal Hospital &amp; Research Centre (27 Beds)</b>
	(iii) Address for Correspondence	:	<b>M/s O.P. Jindal Hospital &amp; Research Centre (27 Beds), Savitri Nagar Colony, Tamnar, Raigarh (C.G.)</b>
	(iv) Address of Facility	:	<b>M/s O.P. Jindal Hospital &amp; Research Centre (27 Beds), Savitri Nagar Colony, Tamnar, Raigarh (C.G.)</b>
	(v) Tel. No, Fax. No	:	<b>07767-302000</b>
	(vi) E-mail ID	:	<b>jpl.emd@jindalpower.com</b>
	(vii) URL of Website	:	<b>http://www.jindalsteelpower.com</b>
	(viii) GPS coordinates of HCF or CBMWTF	:	<b>NL 22°6'50" EL 83°26'25"</b>
	(ix) Ownership of HCF or CBMWTF	:	<b>M/s Jindal Power Limited</b>
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	<b>Authorization issued vide letter No.: 6520/BMW/HO/CECB2020, Raipur. Valid up to :03.05.2023</b>
	(xi). Status of Consents under Water Act and Air Act	:	<b>Consent under Water (Prevention and Control of Pollution) Act, 1974 &amp; Air (Prevention and Control of Pollution) Act, 1981 for M/s O.P. Jindal Hospital &amp; research Center (27 Beds) issued vide letter No. 3799/TS/CECB/ 2021 Nava Raipur Atal Nagar, Dated 28/08/2021 is Valid till 31.07.2024</b>
2	Type of Health Care Facility		
	(i) Bedded Hospital	:	<b>No. of Beds:- 27</b>
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	<b>Not Applicable</b>
	(iii) License number and its date of expiry	:	<b>RAIG0311/HOS from 27.12.2018 to 26.12.2023</b>
3	Details of CBMWTF		
	(i) Number healthcare facilities covered by CBMWTF	:	<b>Not Applicable</b>
	(ii) No of beds covered by CBMWTF	:	<b>Not Applicable</b>
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	<b>Not Applicable</b>
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	<b>Not Applicable</b>
4	Quantity of waste generated or disposed	:	<b>Yellow Category : 235.518 KG</b>

	in Kg per annum (on monthly average basis)		<b>Red Category : 521.795 KG</b>																																												
			<b>White: 6.905 KG</b>																																												
			<b>Blue Category : 323.701 KG</b>																																												
			<b>General Solid waste: 2519.915 KG</b>																																												
<b>5</b>	Details of the Storage, treatment, transportation, processing and Disposal Facility																																														
	(i) Details of the on-site storage facility	:	Room Size : 23X20 Square feet																																												
			Capacity :																																												
			Provision of on-site storage : (cold storage or any other provision):- Nil																																												
	(ii) Disposal facilities		<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>2</td> <td><b>Capacity 15 &amp; 50 KGS</b></td> <td></td> </tr> <tr> <td>Microwave</td> <td>1</td> <td><b>Capacity 10 KGS</b></td> <td></td> </tr> <tr> <td>Hydroclave</td> <td>1</td> <td><b>Capacity 50 KGS</b></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>20</td> <td><b>1 ltr Capacity</b></td> <td></td> </tr> <tr> <td>Deep burial pits:</td> <td><b>01 (One)</b></td> <td></td> <td></td> </tr> <tr> <td>Chemical Disinfection:</td> <td><b>02</b></td> <td></td> <td></td> </tr> <tr> <td>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	2	<b>Capacity 15 &amp; 50 KGS</b>		Microwave	1	<b>Capacity 10 KGS</b>		Hydroclave	1	<b>Capacity 50 KGS</b>		Shredder	0			Needle tip cutter or Destroyer Sharps encapsulation or concrete pit	20	<b>1 ltr Capacity</b>		Deep burial pits:	<b>01 (One)</b>			Chemical Disinfection:	<b>02</b>			Any other treatment equipment:			
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	(iii) Quantity of recyclable wastes sold to authorized recyclers after Treatment in kg per annum.	:	<b>Red Category (like plastic, glass etc.) 0 Kg</b>																																												
	(iv) No of vehicles used for collection and transportation of biomedical waste	:	<b>Not Applicable</b>																																												
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	:	<b>Not Applicable</b>																																												
	vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	:	<b>Not Applicable</b>																																												
	(vii) List of member HCF not handed over bio-medical waste.	:	<b>Not Applicable</b>																																												
<b>6</b>	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	:	<b>Yes</b>																																												

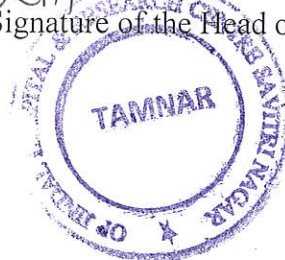
7	Details trainings conducted on BMW	:	
	(i) Number of trainings conducted on BMW Management.	:	13
	(ii) Number of personnel trained	:	34
	(iii) Number of personnel trained at the time of induction	:	1
	(iv) Number of personnel not undergone any training so far	:	09
	(v) Whether standard manual for Training 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: 15.04.2022

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.