



JPL/EMD/BMW/2023/ 222

16/02/2023

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-2022 to December-2022.**

**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 2022 to December 2022 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

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**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 2022 to December 2022**

Sl. No.	Particulars		
<b>1.</b>	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	:	M/s O.P. Jindal Hospital & research Center (27 Beds)
	(iii) Address for Correspondence	:	M/s O.P. Jindal Hospital & research Center (27 Beds), Savitry Nagar Colony, Tamnar, Raigarh (C.G.)
	(iv) Address of Facility	:	M/s O.P. Jindal Hospital & research Center(27 beds), Savitry Nagar Colony, Tamnar, Raigarh (C.G.)
	(v)Tel. No, Fax. No	:	07767-302000
	(vi) E-mail ID	:	jpl.emd@jindalpower.com
	(vii) URL of Website	:	https://www.jindalpower.com
	(viii) GPS coordinates of HCF or CBMWTF	:	NL 22°6'50" EL 83°26'25"
	(ix) Ownership of HCF or CBMWTF	:	M/s Jindal Power Limited
	(x). Status of Authorisation under the Bio-Medical Waste (Management and Handling) Rules	:	Authorization issued vide letter No.: 6520/BMW/HO/CECB2020, Raipur. Valid up to :03.05.2023
	(xi). Status of Consents under Water Act and Air Act	:	Consent under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981 for M/s O.P. Jindal Hospital & 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</b>	Type of Health Care Facility		
	(i) Bedded Hospital	:	No. of Beds:- 27
	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	Not Applicable
	(iii) License number and its date of expiry	:	RAIG0311/HOS from 27.12.2018 to 26.12.2023
<b>3</b>	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 : 188.343 KG			
			Red Category : 568.914 KG			
			White: 10.179 KG			
			Blue Category : 556.598 KG			
			General Solid waste: 3685.291 KG			
5	Details of the Storage, treatment, transportation, processing and Disposal Facility					
	(i) Details of the on-site storage facility	:	Room Size : 23X20 Square feet			
			Capacity :			
	(ii) Disposal facilities		Provision of on-site storage : (cold storage or any other provision):- Nil			
			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	Capacity 15 & 50 KGS	
		Microwave	1	Capacity 10 KGS		
	Hydroclave	1	Capacity 50 KGS			
	Shredder	0				
	Needle tip cutter or Destroyer	20	1 Itr Capacity			
	Sharps encapsulation or concrete pit	01(One)				
	Deep burial pits:	01 (One)				
	Chemical Disinfection:	02				
	Any other treatment equipment:					
	(iii) Quantity of recyclable wastes sold to authorized recyclers after Treatment in kg per annum.	:	Red Category (like plastic, glass etc.) Kg			
	(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.	:	14
	(ii) Number of personnel trained	:	64
	(iii) Number of personnel trained at the time of induction	:	11
	(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 01.01.2022 to 31.12.2022

Date: 15.02.2023

Place: Tamnar

Uttam Kumar Patil  
Name and Signature of the Head of the Institution  
(Dr. Uttam Kumar Patil)



MOM - Bio-medical Waste Management Committee

TOPIC ⇒ Bio-Medical Waste Segregation, Treatment & Disposal.

DATE ⇒ 13/06/2022

TIME ⇒ 5:30 to 6:30 Pm

PLACE ⇒ Conference Hall

SPEAKER ⇒ Dr. U.K. Pati

SERIAL	NAME	DEPT	SIGN
01	Dr. U.K. Pati	CMO	[Signature]
02	Mr. Sudeep Sinha	HR&ES	[Signature]
03	Mr. S. K. <del>...</del> <sup>Kawariya</sup>	EMD	[Signature]
04	Mr. Sanjay Patel	Adm. Hosp.	[Signature]
05	Mr. Prabhat Sharma	Pharmacist	[Signature]
06	Mrs. Archana Gideon	Nursing	[Signature]

Discussion Point :-

1. Regular inspection of waste Bin for proper segregation.
2. Treatment of Bio Medical waste (by chemical autoclaving) according to the protocols.
3. Proper handling <sup>by Transportation</sup> of Bio Medical waste by the staff using P.P.E. or not.
4. Proper disposal of Bio Medical waste in pit.
5. Cleaning of container and lid with proper disinfectant.



TOPIC ⇒ Cleaning & Carbolization of sterile and Clean area & use of disinfectant

DATE ⇒ 05/03/2022

TIME ⇒ 4:00 pm to 5:00 pm.

PLACE ⇒ Conference Hall

SPEAKER ⇒ Dr. A. K. Patel.

S.N.	NAME	DEPT	SIGN
01	Dr. A. K. Patel	medical	<i>[Signature]</i>
02	Mr. Sudeep Singh	NRTES	<i>[Signature]</i>
03	Mr. S. Krasawariya	EMD	<i>[Signature]</i>
04	Mr. Sanjay Patel	Adm. Nos.	<i>[Signature]</i>
05	Mr. Prabhat sharma	Pharmacist	<i>[Signature]</i>
06	Mrs. Aschana Gideon.	NSJ	<i>[Signature]</i>

Discussion point

1. Daily cleaning of ICUs and OT. in presence of staff and use of disinfectant properly.
2. Non patients area also be cleaned, mopping and dusting to be done in daily basis.
3. All wall to be cleaned with soap and water.
4. Carbolization of pt beds EMR tooling and Biomedical equipment daily, ~~once~~ after each use.

**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.