

JPL/EMD/BMW/2019/76

20/05/2019

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 January 2018 to December 2018.

Ref.: Renewal of Authorization issued by CECB, Raipur vide letter No. 2249/BMW/H.O./CECB/2017 dated 26.07.2017.

Dear Sir,

This has reference to the above cited subject. Enclosed please find herewith the annual report including categories and quantities of bio-medical wastes handled for the period of January 2018 to December 2018 in prescribed Form-IV for Health Center, Jindal Power Limited, Tamnar, District: Raigarh (C.G.).

Thanking You.

Yours faithfully,
For Jindal Power Limited,



B. G. Rao
Head-EMD

CC:

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

for information please

Encl: As above

Jindal Power Limited

CIN No. : U04010CT1995PLC008985

Corporate Office Jindal Centre, 12 Bhikaiji Cama Place, New Delhi 110 066

T +91 11 4146 2000 **F** +91 11 2616 1271 **E** info@jindalpower.com **W** www.jindalpower.com

Registered Office Tamnar - 496 107, District Raigarh, Chhattisgarh

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 2018 to December 2018


Sl. No.	Particulars		
1.	Particulars of the Occupier		
	(i) Name of the authorised person (occupier or operator of facility)	:	Mr. Gautam Chandra EVP & Unit Head
	(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	:	Authorisation No.: 2024/BMW/HO/CECB/2011 Raipur Dated 07.07.2011 Valid up to :31.12.2019
	(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, 2019
2	Type of Health Care Facility		
	(i) Bedded Hospital	:	No. of Beds:- 03 (Observation Beds)
	(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
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 : 53.05 Kgs																																															
			Red Category : 22.10 Kgs																																															
			White:60.86 Kgs																																															
			Blue Category : 39.400 Kgs																																															
	General Solid waste: NA																																																	
5	Details of the Storage, treatment, transportation, processing and Disposal Facility																																																	
	(i) Details of the on-site storage facility	:	Size :																																															
			Capacity :																																															
			Provision of on-site storage : (cold storage or any other provision)																																															
	(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>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</td> <td>03</td> <td>03</td> <td>Approx. 6</td> </tr> <tr> <td>Sharps encapsulation or concrete pit</td> <td>01(SIZE -2X2X2 MTR)</td> <td></td> <td></td> </tr> <tr> <td>Deep burial pits:</td> <td>01 (SIZE -2X2X3 MTR)</td> <td></td> <td></td> </tr> <tr> <td>Chemical Disinfection:</td> <td></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	01	10	Approx. 16	Microwave	01	02	Approx. 15	Hydroclave	0			Shredder	0			Needle tip cutter or Destroyer	03	03	Approx. 6	Sharps encapsulation or concrete pit	01(SIZE -2X2X2 MTR)			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.)																																															
	(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.	:	09
	(ii) Number of personnel trained	:	22
	(iii) Number of personnel trained at the time of induction	:	09
	(iv) Number of personnel not undergone any training so far	:	-
	(v) Whether standard manual for Training is available?	:	SOP Available
	(vi) Any other information)	:	
8	Details of the accident occurred during the year	:	No accident has 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 10% 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 01.01.2018 to 31.12.2018

Date: 30.04.2019
Place: Tamnar


 Name and Signature of the Head of the Institution
Dr. Uttam Kumar Pati
 MBBS
 Chief Medical Officer
 Fortis O P Jindal Hospital & Research Centre

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.