



# J&K STATE POLLUTION CONTROL BOARD

Jammu /Srinagar (www.jkspcb.nic.in)

(Authorization for operating a facility for generation , collection , reception , treatment , storage , transport and disposal of Bio-Medical Waste ) is granted to

M/s Institute of Dental Sciences  
Village Seora Kunjwani Bishnah Road Jammu.

11 OF 2017 Dt - 3-8-2017

1. File number of authorization and date of issue
2. M/s Institute of Dental Sciences an occupier or operator of the facility located at Village Seora Kunjwani Bishnah Road Jammu is hereby granted an authorization for generation , segregation , collection , storage , packaging , reception , transportation , treatment or processing or conversion , recycling , disposal or destruction use , offering for sale , transfer any other form of handling
3. M/s Institute of Dental Sciences is hereby authorised for handling of bio-medical waste as per the capacity given below
  - i. Number of chairs of HCF: 300 numbers
  - ii. Type of waste category Qty. generated for handling
    - a. Yellow
    - b. Red
    - c. White(Translucent)
    - d. Blue
4. This authorization shall be in force for a period of August 2018 . The earlier authorization issued vide No. 90 of 2015 dt: 9-12-2015 is rescinded.
5. This authorization is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Environment (Protection), Act, 1986.

  
Member Secretary

### Terms and Conditions of Authorization

1. The authorization shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made thereunder.
2. The authorization or its renewals shall be produced for inspection at the request of an officer authorised by the prescribed authority.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the Bio-Medical Wastes without obtaining prior permission of the prescribed authority.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorization.
5. It is the duty of the authorised person to take prior permission of the prescribed authority to close down the facility.

### Additional Terms and Conditions of Authorization

#### 1. Treatment & Disposal of Bio-Medical Waste.

Waste shall be treated & disposed off in accordance with schedule-I of the rules and in compliance with the standards prescribed in Schedule-V of the rules.

The applicant shall set up requisite Bio-Medical Waste treatment facilities like autoclave, microwave system etc. wherever required for the treatment of waste or ensure treatment of waste at a common waste facility or any other waste treatment facility.

#### Standards for Incinerators:

- a) Combustion efficiency shall be at least 99.00 %.
- b) The temperature of the primary chamber shall be  $800 \pm 50^{\circ}\text{C}$ .
- c) The secondary chamber gas residence time shall be at least 1 (one) second at  $1050 \pm 50^{\circ}\text{C}$  with minimum 3% oxygen in the stack gas.
- d) Minimum Stack height – 30 meters above ground.
- e) Emission standards should confirm to the following:

<u>Parameters</u>	<u>Maximum Permissible Limit</u> mg/Nm <sup>3</sup> at (12 % CO <sub>2</sub> correction)
Particulate matter	150
Nitrogen Oxides	450
HCl	50

- a) Volatile organic compounds in ash shall not be more than 0.01%.
- b) Suitably designed air pollution control devices should be installed/retrofitted with the incinerator to achieve the above emission limits, if necessary.
- c) Waste to be incinerated shall not be chemically treated with any chlorinated disinfectants.
- d) Chlorinated plastics shall not be incinerated.
- e) Toxic metals in incineration ash shall be limited within the regulatory quantities as defined under the Hazardous Waste (Management & Handling) Rules, 1989.
- f) Only low sulphur fuels like L.D.O/L.S.H.S/Diesel shall be used as fuel in the incinerator.
- g) A logbook for the operation & maintenance of incinerators shall be maintained including details of waste received, waste incinerated, fuel consumption etc.

Standards for waste autoclaving, micro waving as well as deep burial shall be as per Schedule V of the rules.

2. **Effluent Standards:**

The effluent generated should conform to the following limits:

Parameters	Maximum Permissible Limit
pH	6.5 to 9.0
Suspended Solids	100 mg/l
Oil & Grease	10 mg/l
BOD	30 mg/l
COD	250 mg/l
Bio-assay test	90% survival of fish after 96 hours in 100% effluent

3. **Segregation & Storage of Bio-Medical Wastes:**

- a) Bio-Medical Waste shall not be mixed with other wastes.
- b) Bio-Medical Waste shall be segregated into containers/bags at the point of generation in accordance with schedule II of the rules prior to its storage, transportation, treatment and disposal. The containers shall be labeled according to Schedule III of the rules.

At the storage site "Bio-Medical Waste Storage Site" & "Danger" signboards shall be prominently displayed.

- c) The applicant shall take all steps to ensure that such Bio-Medical Waste is handled without any adverse effect to human health and the environment.
- d) The containers for storing segregated wastes shall be clearly identifiable. Colour coding of waste categories with multiple treatment options as defined in Schedule I, shall be selected depending on treatment option chosen, which shall be as specified in Schedule I of the rules.
- e) No untreated Bio-Medical Waste shall be kept stored beyond a period of 48 hours provided that if for any reason it becomes necessary to store the waste beyond such period, the authorized person must take permission of the prescribed authority and take measures to ensure that the waste does not adversely affect human health and the environment.

4. **Transportation of Bio-Medical Waste:**

- i. If a container is transported from the premises where Bio-Medical Waste is generated to any waste treatment facility outside the premises, the container shall, apart from the label prescribed in Schedule III of the rules, also carry information prescribed in Schedule IV of the rules.
- ii. Untreated Bio-Medical Waste shall be transported only in such vehicles as may be authorised for the purpose by the competent authority. The transport vehicles shall be prominently labeled as per symbols shown in Schedule III of the rules.

5. **General Conditions:**

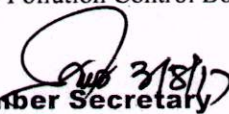
- i. When any accident occurs at any institution or facility or any other site where Bio-Medical Waste is handled or during-transportation of such waste the authorised person shall report the accident in Form III of the rules to the Board forthwith.
- ii. Every applicant shall maintain records related to the generation, collection, reception, storage, transportation, treatment, disposal and/or any form of handling of Bio-Medical Waste in accordance with these rules and any guidelines issued.
- iii. All records shall be subject to inspection and verification by the Board at any time.
- iv. Every applicant shall submit an annual report in Form II by 31<sup>st</sup> January every year, which shall include information about the categories & quantities of Bio-Medical Waste handled during the preceding year.
- v. The applicant shall be further required to obtain the following from the Board:
  - a) Consent under the Water (Prevention and Control of Pollution) Act, 1974.
  - b) Consent under the Air (Prevention and Control of Pollution) Act, 1981.
  - c) Authorization under the Hazardous Wastes (Management and Handling) Rules-1989.
  - d) Authorization to operate the DG Set.
- vi. The authorization granted shall lapse at any time if the facility does not demonstrate the parameters, as required under rules or any condition of this authorization order is not complied with.
- vii. **The owner of HCE shall ensure the scientific disposal of Bio Medical waste generated by the HCE strictly as per BMW(M&H) rules 1998 as amended and through CBMWTF duly authorized by Board.**

- viii. Mercury generated due to the breakage of medical equipments such as thermometer , B.P apparatus etc. , should not be disposed off along with Bio-Medical or general Waste. It should be separately handled and disposed as per Hazardous Waste (Management & Handling ) Amendment Rules, 2003. Mercury and Mercury compounds waste with concentration limit equal to or more than 50 mg/Kg has to be disposed off as per the said rules.
- ix. Proper labeling (Bio Hazardous ) should be done which should be non washable and permanently visible.
- x. Mutilation & treatment should be given to waste sharps 9cat 04) before it is sent to the Common Bio Medical Waste Treatment facility.
- xi. The proprietor should apply 60 days in advance for renewal of authorization before expiry of same.
- xii. The segregation of Cat 4 generated need to be done before treatment and disposal.
- \* The emissions or discharge of environmental pollutants from the health care establishment shall not exceed from the relevant parameters and standards prescribed under Environment (Protection) Act,1986 as amended from time to time.

**Penalty Provisions:**

*If the applicant fails to comply with the terms and conditions and other directives issued by this Board as laid down in this order, the applicant is liable for prosecution under Section 15 of the Environment (Protection) Act 1986 and other penal provisions of the Act and shall on conviction be liable for punishment and imprisonment as provided in the said Act.*

For & on behalf of  
J&K State Pollution Control Board

  
Member Secretary

Sr. No. SPCB /T/C

179/37-40

dated:

3-8-17

Copy to the :

1. Regional Director PCB Jammu for information and necessary action
2. I/c BMW Jammu with direction to ensure the implementation of conditions stated above.
3. Office file.