MAHARASHATRA POLLUTION CONTROL BOARD
REGIONAL OFFICE – PUNE

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LETTER OF BIO-MEDICAL WASTE AUTHORISATION

[Authorisation for Generation, Storage, Disposal of Bio-Medical Wastes under Rule 7(4)]

I. File number of authorisation and date of issue

MPCB/ROP/BMW-AUTH/ 1902000438 **/2019** **Date** 26/02/2019

II. M/s. **Sanchit Hospital** is hereby granted an authorization for generation of biomedical waste on the premises situated **In Front of shinde petrol pump, Indapur Road, Baramati, Dist-Pune**.

III. This authorisation shall be in force for a period up to **31.01.2021**.

An application shall be made by the occupier/operator for renewal **3 Months** before expiry of earlier authorisation.

IV. This authorisation is issued subject to compliance of 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.

V. No of Beds: 50.

Terms and Conditions of authorisation

1. The authorized Person shall comply with the provisions of the Environment (Protection) Act, 1986, and the Rules made there under.

2. The authorisation shall be produced for inspection at the request of an officer authorized by the prescribed authority.

3. i) The authorized person shall not rent, lend or sell the biomedical waste or facility.

   ii) The authorized person can transfer the BMW generated at above premises to the "Transporter" or "Operator of Facility" authorized by MPCB under Bio-Medical Waste (Management and Handling) Rules, 1998 for collection, transportation, treatment and/or disposal of BMW generated.

4. Any unauthorized change in equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorisation.

5. It is the duty of the authorized person to take prior permission of the prescribed authority to close down the facility.

6. The authorisation is granted for generation of Bio-Medical Waste (BMW) in waste categories and quantities listed here in below:

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Sr. No.	Category	Description	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal
1	Yellow	(a) Human Anatomical Waste	05	Yellow	Incineration
		Discarded Medicines and Cytotoxic drugs	02		
		Soiled Waste			
		Chemical Liquid Waste	01	Separate collection system leading to ETP	After resource recovery, the chemicals liquid waste shall be pre-treated before mixing with other wastewater. The combine discharge shall confirm to discharge norms given in Schedule-III of BMW Rules.
		X-ray hypo solution (fixture)			
2	Red	Contaminated Waste(Recyclable)	18	Red	Autoclaving followed by shredding
3	White	Waste Sharps	04	Blue / white translucent	Disinfection (chemical treatment)and mutilation / shredding
No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility i.e. M/s Jaibhavani Biomedical Facility, Plot G-170, MIDC Baramati, Tal Baramati, Dist. Pune authorized by MPCB					

7. The hospital authority shall proper collection of mercury spillage arising due to breakage of thermometer, pressure gauges & other equipments used in health care facilities as well as the storage shall be in accordance with Hazardous Waste (Management, Handling & Transboundry Movement) Rules, 2008 and returning it to instrument manufacturing apart from taking necessary steps to ensure that the spilled mercury does not become a part of Bio-Medical Waste or other solid waste generated from Health Care Facilities.

8. The liquid/solid waste generated from the treatment activity (from laboratory and washing, cleaning, housekeeping and disinfecting activities) shall be treated suitably by providing effluent treatment facility to conform the standards prescribed in Schedule V of said Rules and the Environment (Protection) Act, 1986.

   (i) The daily quantity of trade effluent shall be Nil.

   (ii) The daily quantity of sewage effluent shall not exceed 04.00 M^3.

9. BMW shall be treated and disposed of in accordance with Schedule I; and in compliance with the standards prescribed in Schedule V of said Rules.

10. (i) BMW shall not be mixed with other wastes or reused, recycled or sold in any form.

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(ii) BMW shall be segregated into containers / bags at the point of generation in accordance with Schedule-II prior to storage, treatment and disposal. The containers shall be labeled according to Schedule III.

(iii) If a container containing BMW is to be transported from the premises where BMW is generated to any waste treatment facility outside the premises, the container shall, apart from the Label prescribed in Schedule III, also carry information prescribed in Schedule IV and shall be transported by authorized Transporter only.

(iv) Notwithstanding anything contained in the Motor Vehicles Act, 1988 or Rules there under, BMW shall be transported only in such vehicle as may be authorized for the purpose by the competent authority as specified by the Government.

(v) No untreated BMW shall be kept stored beyond a period of 48 hours.

11. **Standards for waste autoclaving:**

The autoclave should be dedicated for the purposes of disinfecting and treating Bio- Medical Waste,

(I) When operating a gravity flow autoclave, medical waste shall be subjected to:

(i) A temperature of not less than 121 C° and pressure of 15 pounds per Square inch (psi) for an autoclave residence time of not less than 60 minutes;
or

(ii) A temperature of not less than 135 C° and a pressure of 31 psi for an autoclave residence time of not less than 45 minutes;
or

(iii) A temperature of not less than 149 C° and a pressure of 52 psi for an autoclave residence time of not less than 30 minutes.

(II) When operating a vacuum autoclave, medical waste shall be subjected to a minimum of one pre-vacuum pulse to purge the autoclave of all air. The waste shall be subjected to the following.

(i) a temperature of not less than 121 C° and a pressure of 15 psi for an autoclave residence time of not less than 45 minutes;
or

(ii) a temperature of not less than 135 C° and a pressure of 31 psi for an autoclave residence time of not less than 30 minutes; or

(III) Medical waste shall not be considered properly treated unless the time, temperature and pressure indicators indicate that the required time, temperature and pressure were reached during the autoclave process. If for any reasons, time temperature or pressure indicates that the required temperature, pressure or residence time was not reached, the entire load of medical waste must be autoclaved again until the proper temperature, pressure and residence time were achieved.

(IV) *Recording of operational parameters,*- Each autoclave shall have graphic or computer recording devices which will automatically and continuously monitor and record dates, time of day, load identification number and operating parameters throughout the entire length of the autoclave cycle.

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(V) *Validation test: Spore testing.* – The autoclave should completely and consistently kill the approved biological indicator at the maximum design capacity of each autoclave unit. Biological indicator for autoclave shall be Bacillus stearothermophilus spores using vials or spore strips, with at least 1x 10^4 spores per milliliter. Under no circumstances will an autoclave have minimum operating parameters less than a residence time of 30 minutes, regardless of temperature and pressure, a temperature less than 121 C° or a pressure, less than 15 psi.

(VI) Routine Test. — a chemical indicator strip/tape that changes color when a certain temperature is reached can be used to verify that a specific temperature has been achieved. It may be necessary to use more than one strip over the waste package at different location to ensure that the inner content of the package has been adequately autoclaved.

12. Every 'Authorized Person' shall submit an Annual Report to the prescribed authority in Form-II by 31st January every year including information about the categories and quantities of BMW handled during the preceding year.

13. (i) Every 'Authorized Person' shall maintain records related to the generation, collection, reception, storage, transportation, treatment, disposal and/or any form of handling of BMW in accordance with these Rules and any guidelines issued.

(ii) All records shall be subject to inspection and verification by the prescribed authority at any time.

14. When any accident occurs at any institution or facility or any other site where BMW is handled or during transportation of such waste, the authorized person shall report the accident in Form III to the prescribed authority forthwith.

15. The applicant shall submit Bank Guarantees at the Regional Office, M.P.C. Board, and Pune within 15 days from the date of issue of Authorization. The Bank Guarantee(s) shall be valid for a period up to validity of this authorization. The details of Bank Guarantees to be submitted are as below.

Sr. No.	Activity / Condition to be Complied	Compliance Timeline (Months)	Bank Guarantee Amount
I (A)	**Operation and Maintenance**		
1	To Segregate and Handle BMW as per Rule	Continuous	25,000/-
I (B)	**Records**		
1	To Maintain records of BMW, generation, transportation, treatment & disposal and submission of Annual Report in Form –II before 31st January every year.	Continuous	15,000/-
II	**Performance**		
1	To provide Separate BMW storage facility As per guidelines of CPCB.	Six	25,000/-
2	Towards Operation & Maintenance of pollution control systems.	Continuous	25,000/-
3	Effluent Treatment Plant Not provided	Six	50000/-

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16. The HCE authority shall apply immediately for consent under provision of Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981
17. The applicant shall obtain the valid membership certificate of **M/s Jaibhavani Biomedical Facility, Plot G-170, MIDC Baramati, Tal Baramati, Dist. Pune** (CBMWTSDF) for the regular disposal of Bio Medical Waste.
18. The applicant shall obtain the BNH registration for 50 Nos of Beds.
19. The HCE authority shall provide ETP/STP to treat effluent generated within hospital premises, before its further utilization on land for gardening or its disposal to Local Body drainage line.
20. The Occupier will obey all the lawful instructions issued by the Board Officers from time to time.

REGIONAL OFFICER PUNE M.P.C. BOARD

For and on behalf of the
Maharashtra Pollution Control Board

(Dilip Khedkar)
Regional Officer.

To,
M/s. Sanchit Hospital,
In Front of shinde petrol pump,
Indapur Road, Baramati,
Tal Baramati, Dist- Pune.

Authorization Fees Received:-

Sr. No.	Amount (Rs.)	Transaction No.	Date
1.	7500.00	TXN1612001115	10-12-2016.

Copy to:
Chief Accounts Officer, MPCB, Mumbai

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