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GOA STATE POLLUTION CONTROL BOARD

(An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Board)

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FORM III (See rule 10) AUTHORIZATION

(Authorization for operating a facility for generation, collection, reception, treatment, storage, transport and disposal of bio-medical wastes)

Ref: Application from M/s Goa Medical College and Hospital No.1004190 Dated: 23/09/2020.

- File number of Authorization No.19/2021-PCB/1004190/BMW0004442 Dated: 25/03/2022
- The Dean an occupier of the facility M/s Goa Medical College & Hospital, Located at Bambolim, Tiswadi-Goa is hereby granted and Authorization for;

Activity	Please tick
Generation, segregation	✓
Collection,	N/A
Storage	✓
packaging	N/A
Reception	N/A
Transportation	N/A
Treatment or processing or conversion	N/A
Recycling	N/A
Disposal or destruction	N/A
Re-use	N/A
offering for sale, transfer	N/A
Any other form of handling	N/A

- M/s Goa Medical College & Hospital, is hereby authorized for handling of biomedical waste as per the Capacity given below:

(i)	Number of beds/Patients of HCF:	1155 Beds/60990 Patients
(ii)	Number healthcare facilities covered by CBMWTF:	N/A
(iii)	Installed treatment and disposal capacity:	As given below
(iv)	Area or distance covered by CBMWTF:	N/A
(v)	Quantity of Biomedical waste handled, treated or disposed:	N/A

Category	Type of Waste	Quantity generated	Method of treatment and disposal.
Yellow	(a) Human Anatomical Waste:	25 Kgs/day	To be disposed through Common Biomedical Waste Treatment Facility operated by M/s Biotic Waste Solutions Pvt Ltd.
	(b) Animal Anatomical Waste:	2Kg/day	To be disposed through Common Biomedical Waste Treatment Facility operated by M/s Biotic Waste Solutions Pvt Ltd.
	(c) Soiled Waste:	175Kg/day	To be disposed through Common Biomedical Waste Treatment Facility operated by M/s Biotic Waste Solutions Pvt Ltd.
	(d) Expired or Discarded Medicines:	2Kg/day	To be disposed through Common Biomedical Waste Treatment Facility operated by M/s Biotic Waste Solutions Pvt Ltd.
	(e) Chemical Solid Waste:	2Kg/day	To be disposed through Common Biomedical Waste Treatment Facility operated by M/s Biotic Waste Solutions Pvt Ltd.
	(f) Chemical Liquid Waste:	As per the generation	After resource recovery, the chemical liquid waste shall be pre-treated before mixing with other waste water. The combined discharge shall conform to the discharge norms given in schedule III
	(g) Discarded linen, mattresses, Beddings contaminated with blood or body fluid.	Nil	NA
	(h) Microbiology, Biotechnology and other clinical laboratory waste:	10 Kg/day	To be pretreated onsite by autoclaving/microwaving and thereafter to be disposed through Common Biomedical Waste Treatment Facility operated by M/s Biotic Waste Solutions Pvt Ltd.
Red	Contaminated Waste (Recyclable):	300 Kg/day	To be disposed through Common Biomedical Waste Treatment Facility operated by M/s Biotic Waste Solutions Pvt Ltd.
White (Translucent)	Waste sharps including Metals:	4 Kg/day	To be disposed through Common Biomedical Waste Treatment Facility operated by M/s Biotic Waste Solutions Pvt Ltd.
Blue	Glassware	25 Kg/day	To be disposed through Common Biomedical Waste Treatment Facility operated by M/s Biotic Waste Solutions Pvt Ltd.
	Metallic body implants	10Kg/day	To be disposed through Common Biomedical Waste Treatment Facility operated by M/s Biotic Waste Solutions Pvt Ltd.

*Note: The disposal method should be in compliance to the Biomedical Waste Rules Sch II & **CPCB guidelines for management of Healthcare waste as per Bio Medical Waste Rules 2016 as amended 2018.

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4. This Authorization shall be valid for till 03/10/2025.
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 as amended.
 - A. **Terms and conditions of Authorization:**
 1. The Authorization shall comply with the provisions of the Environment (Protection) Act, 1986 as amended and the rules made there under.
 2. The Authorization or its renewal shall be produced for inspection at the request of an officer authorized by the prescribed authority.
 3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the biomedical 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 authorized shall constitute a breach of his Authorization.
 5. It is the duty of the authorized person to take prior permission of the prescribed authority to close down the facility and such other terms and conditions may be stipulated by the prescribed authority.
 6. The designated Occupier is required to satisfactorily comply with the Bio Medical Waste Rules 2016 as amended in 2018, particularly with Rule 4, Rule 7 and Rule 8 including details of validation Tests along with Schedule I and II and submit a self- declaration of compliance in the form of biomedical report.
 7. Compliance to the requirements of the Bio Medical Waste Rules 2016, amendments as applicable there off should be strictly adhered to.
 8. Waste should be stored in Puncture proof and leak proof boxes or containers as defined in Sch I.
 9. Use of chlorinated plastic bags (excluding blood bags) and gloves should be strictly prohibited.
 10. For discharge into public sewers with terminal facilities, the general standards as notified under the Environment (Protection) Act, 1986 (29 of 1986) shall be applicable.
 11. Waste, if transported to an external Authorized party for treatment and disposal should be done so in appropriate sealed and labeled containers. The same will be ensured by the generator availing the said service till end of disposal.
 12. Non-bedded occupiers shall dispose infectious liquid wastes only after treatment by disinfection as per Schedule – II (6) of the principal rules.”
 13. The Occupier of Health care Facility (HCF) should submit an annual report in Form IV on or before 30th June.
 14. Application for renewal should be three months prior to expiry of the said Authorization.
 15. The Occupier is required to ensure that there is no discharge or emissions of Mercury and the solid waste containing this metal due to breakage of thermometers, pressure and other measuring equipment

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in your facility. The Mercury spillages or losses if any should be collected and stored in a safe manner and sent back to the manufacturer. It should be ensured that spilled Mercury does not become part of Bio-medical or other solid waste generated from your facility. Waste containing 50 ppm or more of Mercury is included in Schedule II of Hazardous Waste (Management and Handling) Rules, and the same has to be disposed in compliance of the Hazardous Waste Rules.

16. In case of all bedded health care units, maintain and update on day to day basis the bio-medical waste management register and display the monthly record on its website according to the Bio-medical waste generated in terms of category and colour coding as specified in Schedule I".
17. Bedded health care facilities has to ensure uploading annual records of the biomedical waste generated on its website.
18. Health care facilities having less than ten beds shall have to install Effluent Treatment Plant and comply with the output discharge standard for liquid waste.
19. The Occupier is required to comply with the requirements of Schedule II of the Biomedical Waste Management Rules 2016 as applicable.
20. Take all necessary steps to ensure that bio-medical waste is handled without any adverse effect to human health and the environment and in accordance with these rules;
21. Make a provision within the premises for a safe, ventilated and secured location for storage of segregated biomedical waste in colored bags or containers in the manner as specified in Schedule I, to ensure that there shall be no secondary handling, pilferage of recyclables or inadvertent scattering or spillage by animals and the bio-medical waste from such place or premises shall be directly transported in the manner as prescribed in these rules to the common bio-medical waste treatment facility or for the appropriate treatment and disposal, as the case may be, in the manner as prescribed in Schedule I;
22. Pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilisation on-site in the manner as prescribed by the World Health Organisation (WHO) or National AIDS Control Organisation (NACO) guidelines and then sent to the common bio-medical waste treatment facility for final disposal;
23. Phase out use of chlorinated plastic bags, gloves and blood bags
24. Dispose of solid waste other than bio-medical waste in accordance with the provisions of respective waste management rules made under the relevant laws and amended from time to time.
25. No biomedical waste, treated or otherwise shall be disposed with municipal solid waste.
26. Establish and maintain a Bar- Code System for bags or containers containing bio-medical waste to be sent out of the premises or place for any purpose
27. Ensure segregation of liquid chemical waste at source and ensure pre-treatment or neutralisation prior to mixing with other effluent generated from health care facilities;

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28. Ensure treatment and disposal of liquid waste in accordance with the Water (Prevention and Control of Pollution) Act, 1974.
 29. Ensure occupational safety of all its health care workers and others involved in handling of biomedical waste by providing appropriate and adequate personal protective equipments.
 30. Adequate training to all the staff needs to be imparted periodically to avoid mixing of biomedical waste as per the color coding.
 31. Proper storage shed for the biomedical waste is required to be provided and storage of the same in open must be stopped.
 32. Adequate collection and pre-treatment facility for waste water generated from the laboratories, labour rooms and operation theatres is required before the same is discharged along with the domestic waste water.
 33. Microbiology, Biotechnology and other Clinical Laboratory waste including blood bags is required to be pre-treated by autoclaving and thereafter disposed through incineration.
 34. Immediately start disposing the biomedical waste generated to the CBWTF operated by M/s Biotic Waste Solutions Pvt Ltd and submit copy of the agreement within one week of the date of issue of this authorisation.
 35. Stop the operation of the captive biomedical waste incinerator and dismantle the same and shift the equipment to the CBWTF facility at Kundaim IDC, Ponda, Goa within a period of three months

Copy to:- 1 Accounts Section
2 Concerned File
3 Guard File

Received BMW Authorization fee of:

Challan no.	Amount	Date
1117	Rs 1,00,000/-	13/11/2020

DR
SHAMILA
MONTEIRO

Digitally signed by
DR SHAMILA
MONTEIRO
Date: 2022.03.25
16:50:21 +05'30'

(Dr. Shamila Monteiro)

Member Secretary
Goa State Pollution Control Board