



DN. 242

TAMILNADU POLLUTION CONTROL BOARD**FORM III**

(See Rule 10)

AUTHORISATION No: 21BAD35148809 Dated 08/02/2021**Proceeding No: F.1392TTN/BWA/OS/DEE/TNPCB/TTN/2021 dated 08/02/2021**

Sub: Tamil Nadu Pollution Control Board – Bio-Medical Waste Authorization - One Time Authorisation-HCF - M/s.KAMALA SCANS AND LABS, S.F.No.513/19, KOVILPATTI village, KOVILPATTY Taluk, Thoothukkudi District - Authorization under Rule 10 of the Bio-Medical Waste Management Rules, 2016 enacted under Environment (Protection) Act, 1986 – Issued- Reg.

Ref: 1. Your Application No. 35148809 Dated. 15/10/2020

2. BMW-IR.No: F.1392TTN/BWA/OS/DEE/TTN/2020 dated 12/12/2020

AUTHORISATION FOR OPERATING A FACILITY FOR GENERATION, COLLECTION, RECEPTION, TREATMENT, STORAGE, TRANSPORT AND DISPOSAL OF BIO-MEDICAL WASTES

- File number of authorization: 21BAD35148809 and date of issue: 08/02/2021
- The Managing Director of M/s. KAMALA SCANS AND LABS, an occupier or operator of the facility located at S.F.No.513/19, KOVILPATTI Village, KOVILPATTY Taluk, Thoothukkudi District is hereby granted an Authorisation for Generation, Segregation, Collection, Storage, Packaging, Disposal of Bio-Medical Waste
- M/s. KAMALA SCANS AND LABS is hereby authorized for handling of Bio-Medical waste as per the capacity given below.

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|-----|------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------|
| i) | Number of beds of HCF | 0 | Nos |
| ii) | Quantity of Bio-Medical Waste handled, treated or disposed | | |
| | Category | Type of Waste | Quantity permitted for handling |
| | Yellow | a) Human Anatomical Waste | Kg/day |
| | | b) Animal Anatomical Waste | Kg/day |
| | | c) Soiled Waste | Kg/day |
| | | d) Expired or Discarded Medicines | Kg/day |
| | | e) Chemical Solid Waste | 0.050 Kg/day |
| | | f) Chemical Liquid Waste in KLD | 0.010 KLD |
| | | g) Discarded linen, mattresses, beddings contaminated with blood or body fluid routine mask and gown | Kg/day |
| | | h) Microbiology, Biotechnology and other clinical laboratory waste | 0 Kg/day |

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| Category | Type of Waste | Quantity permitted for handling | Unit |
|--------------------|---------------------------------|---------------------------------|--------|
| Red | Contaminated waste (Recyclable) | | Kg/day |
| White(Translucent) | Waste sharps including Metals | 0.050 | Kg/day |
| Blue | Glassware | | Kg/day |
| | Glassware Metallic Body | | Kg/day |

4. This one time authorization is valid for the non bedded Health Care facility only.
5. The authorization is issued 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.

S.

Sathiaraj

Digitally signed by
S. Sathiaraj

Date: 2021.02.20

Director, Environmental Engineer
Tamil Nadu Pollution Control Board
THOOTHUKKUDI

TERMS AND CONDITIONS OF AUTHORIZATION

1. The authorization shall comply with the provisions of the Environment (Protection) Act, 1986 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 Tamil Nadu State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the Bio-Medical wastes without obtaining prior permission of Tamil Nadu State Pollution Control Board.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
5. It is the duty of the authorized person to take prior permission of the Tamil Nadu Pollution Control Board to close down the facility and such other terms and conditions may be stipulated by Tamil Nadu Pollution Control Board.
6. Any other conditions for compliance as per the Guidelines issued by the MoEF&CC or CPCB from time to time.

ADDITIONAL CONDITIONS

1. The Hospital has to ensure that Bio Medical Waste shall not be mixed with other common waste and not to dispose through local bodies.
2. All the provisions of the Biomedical Waste (Management and Handling Rules) 2016, as amended from time to time must be complied with.
3. The entire quantity of the biomedical wastes generated in the hospital should be sent to the Common Bio medical waste treatment facility. The biomedical wastes should not be mixed with other solid wastes and should not be disposed through Municipality/ Panchayat under any circumstances
4. Only segregated biomedical wastes from hospital shall be handed over to the common Bio medical waste disposal facility without accumulating and storing the Bio medical waste.

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5. The segregated Biomedical Waste shall be transported through a specially designed leak proof vehicle to the facility within 24 hours of generation. The containers used shall be labelled as prescribed in Schedule IV of the said Rules.
6. The Hospital has to maintain a proper manifest for transport, collection and storage of the waste and shall also ensure that no wastes are stored beyond 12 hours.
7. The Hospital shall disinfect the liquid waste before its discharge into Public sewer/Land and shall ensure that no effluent shall reach directly or indirectly any water source or adjacent private/ public lands under any circumstances.
8. The Hospital shall follow good housekeeping practices and to ensure that the operation of the unit shall not cause any nuisance to the surroundings.
9. The Hospital shall furnish the Annual report for the period from January to December of the preceding year on or before 30th June every year without fail.
10. The Hospital shall not use 'Use and Throwaway Plastics' such as plastic sheets used for food wrapping, spreading on dining table etc, plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bags and plastic flags irrespective of thickness, within the industry premises. Instead unit shall encourage use of eco friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates / cups, cloth bag, jute bag etc.

SPECIAL CONDITIONS - HCF

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| 1 | All the provisions of the Bio-Medical Waste Management Rules, 2016 must be complied with. |
| 2 | The HCF shall 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 the Bio-Medical Waste (BMW) Management Rules, 2016. |
| 3 | The HCF shall 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 of the BMW Rules, 2016. It shall be ensured 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 of the BMW Management Rules, 2016. |
| 4 | The HCF shall pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization on-site in the manner as prescribed by the World Health Organization (WHO) guidelines on safe management of wastes from health care activities and WHO Blue Book, 2014 and then sent to the Common bio-medical waste treatment facility for final disposal |
| 5 | The HCF shall phase out use of chlorinated plastic bags(excluding blood bags) and gloves by 27 th March, 2019 |

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| 6 | The HCF shall 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. |
| 7 | The HCF shall not give treated bio-medical waste with municipal solid waste. |
| 8 | The HCF shall establish a Bar-Code System for bags or containers containing bio-medical waste to be sent out of the premises or for the further treatment and disposal in accordance with the guidelines issued by the Central Pollution Control Board by 27 th March, 2019 |
| 9 | The HCF shall ensure segregation of liquid chemical waste at source and also ensure pre-treatment or neutralization prior to mixing with other effluent generated from health care facilities |
| 10 | The HCF shall ensure treatment and disposal of liquid waste in accordance with the Water (Prevention and Control of Pollution) Act, 1974(6 of 1974). |
| 11 | The HCF shall 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 of the BMW Management Rules, 2016. |
| 12 | The HCF shall inform to TNPCB immediately in case the operator of a CBMWTF does not collect the bio-medical waste within the intended time or as per the agreed time. |
| 13 | The HCF shall establish a system to review and monitor the activities related to bio-medical waste management by forming a new committee and the Committee shall meet once in every six months and the record of the minutes of the meetings of the committee shall be submitted along with the annual report to the prescribed authority. |
| 14 | It is the responsibility of the occupier of the HCF that the only segregated bio-medical waste as per the Schedule-I of the BMW Management Rules, 2016 shall be handed over to common bio-medical waste treatment facility for treatment, processing and final disposal. |
| 15 | It shall be ensured that no untreated bio-medical waste shall be mixed with other wastes. |
| 16 | The bio-medical waste shall be segregated into containers or bags at the point of generation in accordance with Schedule I of the BMW Management Rules, 2016 prior to its storage, transportation, treatment and disposal. |
| 17 | The containers or bags referred to in sub-rule (2) shall be labeled as specified in Schedule IV of the BMW Management Rules, 2016. The bar code and global positioning system shall be added by the Occupier and common bio-medical waste treatment facility in one year time. |
| 18 | Untreated human anatomical waste, animal anatomical waste, soiled waste and biotechnology waste shall not be stored beyond a period of forty-eight hours: Provided that in case for any reason it becomes necessary to store such waste beyond such a period, the occupier shall take appropriate measures to ensure that the waste does not adversely affect human health and the environment and inform the prescribed authority along with the reasons for doing so. |
| 19 | Dead Fetus below the viability period (as per the Medical Termination of Pregnancy Act 1971, amended from time to time) can be considered as human anatomical waste. Such waste should be handed over to the operator of common bio-medical waste treatment and disposal facility in yellow bag with a copy of the official Medical Termination of Pregnancy certificate from the Obstetrician or the Medical Superintendent of hospital or healthcare establishment. |
| 20 | Cytotoxic drug vials shall not be handed over to unauthorized person under any circumstances. These shall be sent back to the manufactures for necessary disposal at a single point. As a second option, these may be sent for incineration at common bio-medical waste treatment and disposal facility or TSDFs or plasma pyrolysis at temperature >1200°C. |
| 21 | Residual or discarded chemical wastes, used or discarded disinfectants and chemical sludge can be disposed at hazardous waste treatment, storage and disposal facility. In such case, the waste should be sent to hazardous waste treatment, storage and disposal facility through operator of common bio-medical waste treatment and disposal facility only. |

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| 22 | On-site pre-treatment of laboratory waste, microbiological waste, blood samples, blood bags should be disinfected or sterilized as per the Guidelines of World Health Organization or National AIDS Control Organization and then given to the common bio-medical waste treatment and disposal facility. |
| 23 | Syringes should be either mutilated or needles should be cut and or stored in tamper proof, leak proof and puncture proof containers for sharps storage. |
| 24 | The HCF shall maintain records related to the generation, collection, storage, transportation, treatment, disposal or any other form of handling of bio-medical waste. |
| 25 | The HCF shall submit an Annual Report to the prescribed authority (TNPCB) in Form-IV, on or before the 30th June of every year for the period from January to December of the preceding year. |
| 26 | The HCF shall make available the annual report on its web-site within a period of two years from the date of publication of Bio-Medical Waste management (Amendment) Rules, 2018 |
| 27 | In case of any change in the bio-medical waste generation, handling, treatment and disposal for which authorization was earlier granted, the occupier or operator of HCF shall intimate to the prescribed authority about the change or variation in the activity and shall submit a fresh application in Form II for modification of the conditions of Authorization. |
| 28 | In case of any major accident at any institution of HCF facility or any other site while handling bio-medical waste, the authorized person shall intimate immediately to the prescribed authority about such accident and forward a report within twenty-four hours in writing regarding the remedial steps taken in Form I. |
| 29 | The HCF shall ensure occupational safety of all its health care workers and others involved in handling of bio-medical waste by providing appropriate and adequate personal protective equipments. |
| 30 | The occupier of the HCF or an operator of a common bio-medical waste treatment facility shall be liable for all the damages caused to the environment or the public due to improper handling of bio- medical wastes. The occupier or operator of common bio-medical waste treatment facility shall be liable for action under section 5 and section 15 of the Act, in case of any violation. |

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| 31 | The HCF shall adopt the following treatment and disposal methods as described in the BMW Management Rules, 2016 i. Chemical treatment using at least 1% to 2% Sodium Hypochlorite having 30% residual chlorine for twenty minutes or any other equivalent chemical reagent that should demonstrate Log104 reduction efficiency for microorganisms as given in Schedule- III. ii. Mutilation or shredding must be to an extent to prevent unauthorized reuse. |
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Digitally signed by S.

S. Sathiaraj

Sathiaraj

Date: 2021.02.20

District Environmental Engineer
Tamil Nadu Pollution Control Board
THOOTHUKKUDI

To

The Managing Director
KAMALA SCANS AND LABS
55, Santhaipetti Street,
Kovilpatti,
Thoothukudi District.
Pin: 628502

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Copy to:

1. Copy submitted to the Member Secretary, Tamil Nadu Pollution Control Board, Chennai for favour of kind information.
2. Copy submitted to the JCEE-Monitoring, Tamil Nadu Pollution Control Board, TIRUNELVELI for favour of kind information.