

Report on Bio-medical Waste Management for the month of September, 2018

| Sl. No. | Description                                                                                                                   | Remarks                                                                                                                                                         |
|---------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Contact Address and details of the Healthcare Facility                                                                        | LGB Regional Institute of Mental Health, Tezpur, Sonitpur, Assam, Pin-784001, Tele No. 03712-232652, fax No.- 03712-233623                                      |
| 2       | No. Of Beds                                                                                                                   | 336                                                                                                                                                             |
|         | Details of :                                                                                                                  |                                                                                                                                                                 |
| 3       | a) Authorisation under BMW Rules, 2016                                                                                        | Applied for, dated: 25-05-2018<br>Previous Authorisation No.: WB/OTWA/BMW-201/08-09/14/508 dated 4 <sup>th</sup> July 2009                                      |
|         | b) Consent under Water (Prevention and Control of Pollution) Act, 1974 and Air(Prevention nad Control of Pollution) Act, 1981 | Applied for, dated 25-05-2018<br>Previous Authorisation No.: PC/ROT/LAB-08/2000/557/924 dated 23-03-2011                                                        |
| 4       | Quantity of bio-medical waste generation (in Kg/day)                                                                          | 3.23                                                                                                                                                            |
| 5       | Mode of disposal of bio-medical waste (through CBWTF or through captive treatment facility)                                   | Through captive treatment facility                                                                                                                              |
| 6       | Name and address of the CBWTF through which waste is disposed off (as applicable)                                             | N/A                                                                                                                                                             |
|         | In case, HCF is having captive treatment facility,                                                                            |                                                                                                                                                                 |
|         | a) Bio-medical waste treated (in Kg/day)                                                                                      | 3.23                                                                                                                                                            |
|         | b) Details of treatment equipment                                                                                             | i. Incinerator<br>ii. Autoclave<br>iii. Shredder<br>iv. Needle Destroyer                                                                                        |
| 7       | c) Total nos. And capacity of each treatment equipment (in Kg/day)                                                            | i. Incinerator- 1 No. Capacity – 10-12 Kg/hr<br>ii. Autoclave – 1 No. Capacity – 78 litres<br>iii. Shredder - 2 Nos. ---<br>iv. Needle Destroyer – 12 Nos. ---- |

**I. Incinerator**

| Sl. No. | Parameter                             | Result |
|---------|---------------------------------------|--------|
| i.      | Sulfur dioxide in mg/Nm <sup>3</sup>  | 10     |
| ii.     | Nitrogen oxides in mg/Nm <sup>3</sup> | 34     |
| iii.    | HCl in mg/Nm <sup>3</sup>             | 23     |
| iv.     | CO in mg/Nm <sup>3</sup>              | 776    |
|         | Combustion Efficiency (C.E)           | 99.9%  |

**Temperature**

Primary Chamber 800<sup>o</sup> ± 50<sup>o</sup> C,  
 Secondary Chamber 1000<sup>o</sup> ± 50<sup>o</sup> C  
Height- 30 meters above from the ground  
Capacity- 10-12 Kg/hr

**2. Autoclave: (Gravity flow)**

- Temperature- 121<sup>o</sup> C
- Pressure – 15 Square per inch
- Time- 60 minutes

|   |                                                                                |                                                                                                                                                           |
|---|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | d) Operating parameters of the treatment equipment as per BMW Rules, 2016      |                                                                                                                                                           |
| 8 | Monthly records of biomedical waste generation(category wise)                  | i) Yellow category – 11.938 kg/month<br>ii) Red category – 60.810 kg/month<br>iii) White category – 2.608 kg/month<br>iv) Blue category – 21.526 kg/month |
| 9 | No. of trainings conducted on Bio-medical Waste management in the current year | 0                                                                                                                                                         |

  
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 LGBRIMH

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