

ಫ್ಯಾಕ್ಸ್/Fax : 080-25586321

ಈಮೇಲ್/E-mail : ho@kspcb.gov.in

ವೆಬ್‌ಸೈಟ್/Website : http://kspcb.gov.in



25581383, 25589112  
25588151, 25588270  
25588142, 25586520

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ  
**Karnataka State Pollution Control Board**

“ಪರಿಸರ ಭವನ”, 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ. 49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ  
“Parisara Bhavana”, 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA

NO PCB/WMC/BMW/2017 6365

Date 07 FEB 2017

**NOTIFICATION**

**Subject:- Fixing service area for Common Biomedical Waste Treatment Facilities (CBMWTF) in the State of Karnataka**

- Reference:-**
1. "The Bio-medical waste Management Rules, 2016" was notified by the Ministry of Environment, Forest and climate change, Govt. of India on 28<sup>th</sup>, March 2016.
  2. 186<sup>th</sup> Board meeting held on 28.12.2012.
  3. Board notification no KSPCB/CEO-2/EO/BMW/CBMWTF/NOTIFICATION/2012-13/1288 dated 18-3-2013.
  4. Meeting held with CBMWTF on 30<sup>th</sup> December, 2015 by the Board.
  5. 202<sup>nd</sup> Board meeting held on 25.02.2016.
  6. Board order No. PCB/WMC/CBMWTF/2016/198, Dt: 18.04.2016
  7. Meeting held with CBMWTF on 09.11.2016.

\*\*\*\*

The Ministry of Environmental & Forest, Government of India under the Environment (Protection) Act, 1986 has framed the Biomedical Waste (Management and Handling) Rules in 1998. In suppression of the above Rule, "The Bio-medical waste Management Rules, 2016" was notified by the Ministry of Environment, Forest and climate change, Govt of India on 28<sup>th</sup>, March 2016. These rules shall apply to all persons who generate, collect, receive, store, transport, treat, dispose or handle bio-medical waste in any form. The Karnataka State Pollution Control Board is the prescribed authority for implementation of the provisions of these rules.

**The Role of Pollution Control Board as per the Bio-medical waste Management Rules, 2016:**

- ❖ Inventorisation of Occupiers and data on bio-medical waste generation, treatment & disposal.

Draft Approved By  
CHAIRMAN

MEMBER SECRETARY

“ಪ್ಲಾಸ್ಟಿಕ್ ಬಳಕೆ ನಿಲ್ಲಿಸಿ, ಪರಿಸರ ಹಾನಿ ತಪ್ಪಿಸಿ”

AVOID USE OF PLASTICS-BE 'ECO' FRIENDLY

- ❖ Compilation of data and submission of the same in annual report to Central Pollution Control Board within the stipulated time period.
- ❖ Grant and renewal, suspension or refusal cancellation or of authorization under these rules (Rule 7, 8 and 10).
- ❖ Monitoring of compliance of various provisions and conditions of authorization.
- ❖ Action against health care facilities or common bio-medical waste treatment facilities for violation of these rules (Rule 18)
- ❖ Organizing training programmes to staff of health care facilities and common bio-medical waste treatment facilities and staff of State Pollution Control Boards or Pollution Control Committees Staff on segregation, collection, storage, transportation treatment and disposal of bio-medical wastes.
- ❖ Undertake or support research or operational research regarding bio-medical waste management.
- ❖ Any other function under these rules assigned by Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- ❖ Implementation of recommendations of the Advisory Committee.
- ❖ Publish the list of Registered or Authorised (or give consent) Recyclers.
- ❖ Undertake and support third party audits of the common bio-medical waste treatment facilities in their State.

Activity for which authorisation is granted by the Board as per Rule 10

1. Generation,
2. Segregation
3. Collection,
4. Storage
5. packaging
6. Reception
7. Transportation
8. Treatment or processing or conversion
9. Recycling
10. Disposal or destruction

Draft Approved By  
CHAIRMAN

  
MEMBER SECRETARY

12. offering for sale,
13. transfer
14. Any other form of handling

The Karnataka State Pollution Control Board has encouraged Common Biomedical Waste Treatment Facilities (CBMWTF) for management of biomedical waste in the state. The Common Bio-medical waste treatment facility is defined as "a person who owns or controls a common Bio-medical waste treatment facility (CBMWTF) for the collection, reception, storage, transport, treatment, disposal or any other form of handling of Bio-medical waste". As of now 25 facilities spread over the State are in operation and 5 more are yet to be established/ commissioned. No proposals have been received by the Board for establishment of Common Bio-medical waste treatment facilities in 5 Districts namely Mandya, Chamarajanagar, Kodagu, Tumkur & Chikkamagalur.

The issue of service area by CBMWTF was discussed in detailed in the 186<sup>th</sup> Board meeting held on 28.12.2012 and resolved not to consider the service area for the operators of Common Bio-medical Waste Treatment Facility under Biomedical waste (Management and Handling) Rules, 1998. Thereafter, the service area was removed by issuing a notification no KSPCB/CEO-2/EO/ BMW/CBMWTF/NOTIFICATION/2012-13/1288 dated 18-3-2013.

Since, the removal of service area, many issues have cropped up pertaining to management of biomedical wastes. All the issues were discussed during the meeting held with CBMWTF on 30<sup>th</sup> December, 2015 at Board office.

- a) The president of the Karnataka Common Bio Medical Waste Management Facility Operators Association requested the Board to earmark jurisdiction to enable proper management of the waste in their jurisdiction. In the district outside Bengaluru, Common facility of the particular district shall be allowed to collect the waste. Further, association has requested the Board that before granting permission to new facilities to insist for feasibility report.
- b) Regional officers of the Board expressed opinion that for better monitoring, fixing the responsibility on the individual common facility, for identification of illegal disposal of waste, it is desirable that, wherever single facility exists in the district, that facility shall manage the waste from their entire district.

Draft Approved By  
CHAIRMAN

  
MEMBER SECRETARY

- c) President, IMA opined that in a district where common facility exists having sufficient capacity to handle the waste from that district, it is desirable to allow that unit to manage the waste from that particular district.
- d) It is opined in the meeting that for proper management of biomedical waste from Health Care Establishment's, wherever single Common facility exists in district and having capacity to handle the waste generated from the entire district, that facility should be made responsible for handling the waste in their entire district as requested by Karnataka Common Biomedical Waste Treatment Facility Operators Association, IMA and Regional officers. However, in case of non-handling of waste by that Common facility, the other facilities nearby can handle the waste in consultation with Board. As regards to Bengaluru, all the three existing facilities shall come up with the proposal of management of waste and the area of work.

The Parliamentary Committee during its meeting held on 6-2-2016 at Bengaluru has expressed apprehension on collection of Bio-medical waste from Bengaluru and transportation to CBMWTF.

The Chairman of the Board has visited several HCE in Bengaluru and other parts of the state & observed several non-compliances in the Management of Bio-medical waste such as improper segregation, disposing biomedical waste along with municipal waste etc

The issue was discussed in the 202<sup>nd</sup> Board meeting held on 25.02.2016, of the Board wherein, it was resolved as under

"The Board deliberated on the subject and felt that, fixing service area in close proximity with Common Bio-medical waste Treatment facility (CBMWTF) would help in efficient management of health care waste".

Based on the Board resolution Chairman vide order No. PCB/WMC/CBMWTF/2016/198, Dt: 18.04.2016 has constituted committee for fixing the service area for Common Bio-medical waste treatment facility(CBMWTF) operators . The committee comprising of:

- a) Chairman, KSPCB  
b) Member Secretary, KSPCB  
c) Dr. Jaiprakash alva, Board Member,

- Chairman  
- Member  
- Member

  
MEMBER SECRETARY

Best Approved By  
CHAIRMAN



- d) Sri. Mohan Kumar kondajji, Board Member, - Member  
e) Sri. J.G. Kaveriappa, Board Member, - Member  
f) Dr. A. Ramesh, Senior Environmental Officer - Convener  
Waste management cell

The committee met on several occasions and interacted with common biomedical waste facility operators and also verified the records of the Board

1. The entire biomedical waste generated is not routed to CBMWTF.
2. All the generators(HCE's) are not being covered by CBMWTF. No efforts or measures being made by the CBMWTF to cover all HCE's has resulted in illegal disposal of Bio-medical waste.
3. In Bangalore, since the area is not specified and the collection points are scattered, it is difficult for the CBMWTF to collect the waste and it is apprehended that the waste might not be collected at required frequency.
4. Waste management charges weren't rationalized, in many instances due to unhealthy competition; the charges levied being very low gives scope for doubting the viability of treatment and disposal.
5. There are operational issues with reference to many CBMWTF as per the records.
6. The Central Pollution Control Board framed the guidelines for CBMWTF, specifies the location of such units inclusive of the Collection, Transportation and Monitoring of the Bio-medical waste. Hence, only one CBMWTF may be allowed to cater upto 10,000 beds at the approved rate by the prescribed authority.
7. In comparison to the Bio-medical waste (Management and Handling) Rules, 1998, the scope of activity coverage increased under the Bio-medical waste Management Rules, 2016 also comprises "hospitals, nursing homes, clinics, dispensaries, veterinary institutions, animal houses, pathological laboratories, blood banks, ayush hospitals, clinical establishments, research or educational institutions, health camps, medical or surgical camps, vaccination camps, blood donation camps, first aid rooms of schools, forensic laboratories and research labs" too.

In view of the above, the generation of biomedical waste shall probably increase.

Draft Approved By  
CHAIRMAN

  
MEMBER SECRETARY



Considering all the issues pertaining to the management of Bio-medical waste an proposed model draft service area was prepared and published in the Board website. To elicit the views of CBMWTF, a meeting was convened on 09.11.2016 to conceptualise the service area for Common Biomedical Waste Treatment Facility operators. The opinion expressed and written representations received were examined by the committee and finalized the service area for Common Biomedical Waste Treatment Facility Operators.

With the available information pertaining to reference, number, type of health care establishments and number of beds when compared with that of CBMWTF observed that there were large deviations in the number of HCE's. Thus, it is evident that the entire Biomedical waste is not being collected by CBMWTF [admitted by the CBMWTF in the meetings] Primarily due to non accountability and hence there is urgent need for fixing service area & responsibility on the jurisdictional CBMWTF while identifying all the generators and collection.

In the interest of protection the environment, management of biomedical waste as required under the rules is a necessity. Hence, the Karnataka State Pollution Control Board hereby notify service area for the common Biomedical facilities as per Annexure -1 for collecting Biomedical waste as defined under the Bio-medical waste Management Rules, 2016, which envisages collection of waste from the service area only.

This notification order shall come into force with immediate effect & supersedes all earlier order.

Draft Approved By  
CHAIRMAN

  
MEMBER SECRETARY  
KSPCB

To,  
All CBMWTF



**Copy to:**

1. Members of the committee for information
2. All RSEO for information and necessary action
3. All Regional Officers for information and Necessary action and to give publicity
4. E-governance cell for information and to upload in Board website.
5. Legal cell for information
6. Waste management cell for information and to make amendment in the authorization issued to CBMWTF.
7. Office copy.

**ANNEXURE-I****Services Areas of Common Bio-medical Waste Treatment Facilities**

<b>Name of the facility</b>	<b>Installed capacity of CBMWTF</b>	<b>Service Area</b>
<b>M/s. Enviro Biotech, Bidar</b>	Incinerator : 50 Kg/hour. Autoclave : 100 Litre/Cycle Shedder : 100 Kg/hour.	Bidar Regional Office Jurisdiction.
<b>M/s. Centre for Environment Education, Gulbarga</b>	Incinerator : 50 Kg/hour. Autoclave : 100 Litre/Cycle-2Nos Shedder : 50 Kg/hour.	Kalaburagi Regional Office Jurisdiction.
<b>M/s. Parisara associates, Yadgir</b>	Incinerator : 50 Kg/hour. Autoclave : 100 Litre/Cycle Shedder : 100 Kg/hour.	Yadgir Regional Office Jurisdiction.
<b>M/s. Raichur Indian Medical Association CBMWTF, Raichur</b>	Incinerator : 50 Kg/hour. Autoclave : 500 Litre/Cycle Shedder : 50 Kg/hour.	Raichur Regional Office Jurisdiction.
<b>M/s. Suryakanth Environmental technology, Bellary</b>	Incinerator : 100 Kg/hour. Autoclave : 50 Litre/Cycle Shedder : 50 Kg/hour.	Bellary and Koppal Regional Office Jurisdiction.
<b>M/s. Association of Medical Establishment, Sy.No.12, Khasabag Taluk, Belgaum District</b>	Incinerator : 50 Kg/hour. Autoclave : 230 Litre/Cycle Shredder : 50 Kg/hour.	Belagavi-1 Regional Office jurisdiction
<b>M/s. Belgaum Green Environmental Management, Sy. No. 29, Haroogoppa Village, Haroogoppa- Murgoud Road, Soundatti Taluk, Belgaum District</b>	Incinerator : 150 Kg/hour. Autoclave : 400 Litre/Cycle Shredder : 200 Kg/hour.	Belagavi-2 Regional Office jurisdiction.
<b>M/s. Kenera IMA CBMWTF, Karwar</b>	Incinerator : 50 Kg/hour. Autoclave : 100 Litre/Cycle Shredder : 100 Kg/hour.	Karwar Regional Office jurisdiction.

Draft Approved By  
CHAIRMAN

  
MEMBER SECRETARY

<b>M/s. Hubli Dharwad Bio-medical Waste Treatment Facility, Dharwad</b>	Incinerator : 100 Kg/hour-2Nos Autoclave : 200 Litre/Cycle Shredder : 50 Kg/hour.	Dharwad Regional office jurisdiction.
<b>M/s. Gadag Enviro Tech, Gadag</b>	Incinerator : 100 Kg/hour. Autoclave : 200 Litre/Cycle Shredder : 150 Kg/hour.	Gadag Regional office jurisdiction, Hangal taluk, Shiggon taluk & Savnor taluk of Haveri Regional office jurisdiction.
<b>M/s. Sushanth Environement Technologies Private Ltd., Davangere</b>	Incinerator : 100 Kg/hour & 50Kg/hr Autoclave : 100 Litre/Cycle Shredder : 40 Kg/hour.	Davangere Regional Office jurisdiction, Haveri taluk, Ranebennur taluk, Hirekeri taluk and Byadagi taluk of Haveri Regional Office jurisdiction.
<b>M/s. VV Incin Solutions Pvt Ltd., Chitradurga</b>	Incinerator : 100 Kg/hour. Autoclave : 400 Litre/Cycle Shredder : 100 Kg/hour.	Chitradurga Regional Office jurisdiction.
<b>M/s. Ramky Energy and Environmental Pvt. Ltd., Mangalore</b>	Incinerator : 250 Kg/hour & 120 Kg/hr Autoclave : 200 Litre/Cycle Shredder : 450 Kg/hour-2Nos	Mangalore Regional Office jurisdiction.
<b>M/s. Ayush Envirotech Pvt ltd., Udupi</b>	Incinerator : 200 Kg/hour. Autoclave : 400 Litre/Cycle Shredder : 150 Kg/hour.	Udupi Regional Office jurisdiction.
<b>M/s. Prajwal BMW Management System, Hassan</b>	Incinerator : 150 Kg/hour. Autoclave : 200 Litre/Cycle Shredder : 250 Kg/hour.	Hassan Regional Office jurisdiction, Sringeri taluk, Moodakere taluk, Koppa taluk of Chikkamagaluru Regional Office jurisdiction, Tiptur taluk of Tumkar Regional Office jurisdiction and Nagamangala taluk of Mandya Regional Office jurisdiction.
<b>M/s. Shushrutha Bio Medical Waste Management Society, Shimoga</b>	Incinerator : 100 Kg/hr & 50 Kg/hour Autoclave : 100 Litre/Cycle Shredder : 40 Kg/hour.	Shimoga Regional Office jurisdiction and N R Pura taluk, Kadur taluk, Tarikere taluk of Chikkamagaluru Regional Office jurisdiction.

Draft Approved By  
CHAIRMAN

MEMBER SECRETARY

A



<b>M/s. The BVV Sangha Rural Development Foundation, Bagalkot</b>	Incinerator : 50 Kg/hour. Autoclave : 150 Litre/Cycle Shredder : 50 Kg/hour.	Bagalkot Regional Office jurisdiction
<b>M/s. Karnataka Private Medical Establishment Association, Bijapura</b>	Incinerator : 100 Kg/hour. Autoclave : 250 Litre/Cycle Shredder : 100 Kg/hour.	Vijayapura Regional Office jurisdiction.
<b>M/s. Anu Autoclave &amp; Incin Services, Bangalore</b>	Incinerator : 250 Kg/hour & 100 Kg/hr Autoclave : 100 Litre/Cycle Shredder : 100 Kg/hour.	Mahadevapura Regional office jurisdiction, Sarjapura Regional office jurisdiction, Bangalore City East Regional office jurisdiction and wards nos 145, 146, 147, 148 and 151 of Bangalore city South Regional Officer jurisdiction.
<b>M/s. Medicare Environmental Management Pvt. Ltd., Nelamangala Taluk, Bangalore Rural</b>	Incinerator : 150 Kg/hour & 250 Kg/hr. Autoclave : 400 Litre/Cycle Shredder : 25Kg/hour.	Nelamangala Regional office jurisdiction, Bangalore west Regional office jurisdiction, Yelahanka Regional office jurisdiction, Peenya Regional office jurisdiction, Dasarahalli Regional Office jurisdiction and Kunigal taluk, Madugiri taluk, Tumkur taluk, Koratagere taluk, C.N. Halli taluk, Turuvekere taluk, Gubbi taluk of Tumkur Regional Office jurisdiction.
<b>M/s. Maridi Eco Industries Pvt. Ltd., Kanakapura Road, Ramanagar District</b>	Incinerator : 250 Kg/hour(2Nos) Autoclave : 432 Litre/Cycle Shredder : 100 Kg/hour.	Bommanahalli Regional office jurisdiction, Rajarjeshwarinagar Regional office jurisdiction, Bangalore city south Regional office jurisdiction (excluding ward nos 145, 146, 147, 148 and 151) and Ramanagara Regional office Jurisdiction.
<b>M/s.Prajwal Management Systems, Chikkaballapura</b>	Incinerator : 50 Kg/hour. Autoclave : 100 Litre/Cycle Shredder : 100 Kg/hour.	Chikkaballapura Regional Office jurisdiction, Doddaballapura Regional Office Jurisdiction, Devanahalli taluk of Hoskote Regional Office Jurisdiction and Sira taluk & Pavagada taluk of Tumkur Regional Office Jurisdiction.

  
MEMBER SECRETARY

Draft Approved By  
CHAIRMAN

<b>M/s. Meera Envirotech, Kolar</b>	Incinerator : 100 Kg/hour. Autoclave : 250 Litre/Cycle Shredder : 100 Kg/hour-2Nos	Kolar Regional Office jurisdiction, Hoskote taluk of Hoskote Regional Office jurisdiction and Anekal Regional office jurisdiction.
<b>M/s. Shree Consultant, Mysure</b>	Incinerator : 100 Kg/hour. Autoclave : 50 Litre/Cycle Shredder : 50 Kg/hour.	Mysure City ward Numbers : 1,4,5,8,35,36,37,39,40,41, 42,43,44,46,47,48,49 to 63 & 65, Srirampura hobli, Yelwala hobli of Mysure 1 Regional Office Jurisdiction , Periyapatna taluk T.Narasipura taluk, K R Nagar taluk & Hunsur taluk of Mysure-2 Regional office Jurisdiction, Maddur taluk, Malavalli taluk & K.R Pet taluk of Mandya Regional Office Jurisdiction, Chamarajnaraga Regional Office Jurisdiction and Kodagu Regional Office Jurisdiction.
<b>M/s. GIPS Bio-Tech, Mysore</b>	Incinerator : 100 Kg/hour. Autoclave : 50 Litre/Cycle Shredder : 50 Kg/hour.	Mysure City ward Numbers: 2,3,6,7,9 to 34,38,45, & 64, Hinkal, Hootagali, Bogadi, Kadakola, koorghalli of Mysore 1 Regional office Jurisdiction, Nanjangud taluk, H D Kote taluk of Mysure-2 Regional office jurisdiction and Mandya taluk, Siranagapatna taluk & Pandavapura taluk of Mandya Regional Office Jurisdiction.

Doc. Approved By  
CHANDRAN

  
MEMBER SECRETARY  
