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ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ Karnataka State Pollution Control Board

"ಪರಿಸರಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ.49, ಚರ್ಚ್‌ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
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No. PCB/WMC/SEO/2013-14/

6269

Dated: 05 FEB 2014

NOTIFICATION

Sub: Guidelines for Management of municipal solid waste in big campuses/ Educational Institutions; ಖಜಾನೆ ಸಲಾಹಿ

- Ref: 1) MSW Rules, 2000, Schedule II, (Rule 6 (1) & (3), 7 (1).
2) Proceedings of 188th Board meeting held on 29.05.2013.
3) Proceedings of the 20th MSW authorization committee held on 28.10.2013.
4) Proceedings of TAC meeting held on 21.12.2013..

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Preamble:

The Municipal Solid Waste (Management & Handling) Rules, 2000 has been prescribed by Government of India by Ministry of Environment & Forest under the Environment (Protection) Act, 1986. The Rule prescribes that it shall be the responsibility of generator of waste to avoid littering and ensure compliance with respect to the said rules. The participants from Universities / Institutions, who attended the workshop organized by the Board in respect of management of municipal solid waste, have sought clarifications on many issues in respect of responsibility to be prescribed for nodal officer appointed for this purpose from the Universities Further, in the new amendment, the landfills are permitted absolutely for non-usable, non – recyclable, non-biodegradable, non-reactive inert waste and other waste such as residue of waste processing facilities as well as preprocessing rejects from waste processing facility, etc.

However, the existing Landfill sites have been used for all the types of waste and there by reducing the designed life span of the land fill sites. Thus, the following guidelines are evolved for betterment of environment and also for the convenience of the public with easy management at Local Administration.

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Therefore the subject has been discussed both at the technical advisory committee, Authorization committee and in the Board meeting cited under the above references and The following standards are evolved for implementation for scientific disposal and processing of municipal solid waste viz., its quantity for 20-25 years, composition and distance from the core town area etc.

ORDER

Hence the Board is here by evolved the standards empowered under Rule 6 (3) of MSW Rules 2000. All universities/big campuses/Urban local bodies shall comply the following guidelines in respect of generation of waste from the bulk generators and its disposal as follows:

. In this aspect, KSPCB herby ^{published} ~~issued~~ guidelines for carrying out the management of Municipal Solid Waste in Educational Institutions/ big campuses as prescribed below-

1. Identify a nodal officer preferably with the background of Environmental Engineering/ Science, working in the institutions at the senior level viz., Professor/HOD/Senior Manager/ General Manager etc.
2. Constitute a MSW committee consisting of various discipline officers in the organization, viz., Civil / Biology Department, Horticulture Department, Administration Department, Finance Department, Mechanical Division, Medical-Doctor, Environmental Engineers/Scientists and headed by head of the Institute / Universities.
3. The Head of the Institution shall be deemed to be guilty of the offence and shall be liable to be proceeded against and punished accordingly.
4. The meeting shall be conducted by the committee every month.
5. The committee shall meet every month and deliberate and discuss the various actions to be taken for the management of Municipal Solid Waste with in the premises and evolve a suitable method to process the Municipal Waste duly after segregation of waste at the source using the appropriate technology, so that the disposal to the local authority is minimal or zero discharge. Ideally 15% of waste only needs to be disposed to sanitary landfill site.
6. Review the waste generation and collection at the source and take action suitably.
7. Conduct awareness program for all the residents and the stakeholders of the Institution or Universities in regard to the Municipal Solid Waste Management Rules, 2000.
8. Workout suitable technology for composting, vermicomposting, Biomethanisation etc., which are economically feasible and eco-friendly nature. Special attention shall be given to the plastic bag segregation and not to mix with the Municipal Solid Waste. Plastic rules regulation, 2011 shall be followed in this regard.
9. In the interest of environment preferably ban the usage of plastic, carry bags or any other usage which are ultimately joining the Municipal Waste. The Commercial shop, Students, Offices shall be involved in this process.
10. The Institute shall identify a separate collection cum landfill site within the premises and proportionate to the waste disposal for 5 – 10 years. The processing technology can be installed in these areas.* A source wise intermediate waste collection center for daily collection shall be designated at each of the block level before taken to final processing or destination point.



11. Necessary finance for carrying out the above activity shall be reserved for implementation.
12. The recycling/ reuse/reduce is the basic concept of the waste processing and hence same may be adopted in your Institute / Universities and to evolve such strategies.
13. Proper treatment facility for the leachate shall be provided at appropriate places and shall not mix with any local water bodies located in the premises.
14. The nodal officer or committee shall be in touch with the KSPCB head office constantly for any advice / directions in this regard. The e-mail of the same is msw.eokspcb.gov@gmail.com.
15. The Regional Office of the KSPCB at the district level concerning to your organization shall be informed and involved in the process for guidance and co-ordination.
16. E-Waste and Bio-Medical Waste if any generated from the Institutes shall be separately dealt with as per the rules.
17. The nodal office and committee shall be made responsible for all non-compliance of rules and also on any directions of penalty under the law by the appropriate authority.
18. The green belt shall be developed around the Institutions preferably with minimum of 50-100 m and utilize the organic leaves etc only for composting, open burning and scattered animal shall have to be banned in the sites.
19. The Universities shall furnish an annual report to the KSPCB every year by June end with a copy marked to Regional Office of KSPCB for review / Guidelines/ Action proposed etc. The Institute shall also obtain authorization under Municipal Solid Waste Rules-2000, from local ROs of Karnataka State Pollution Control Board of your jurisdiction.
20. The committee shall prepare and evolve a time bound action plan for proper Collection, Segregation, Transportation, Storage processing and Disposal of Municipal Solid Waste.
21. All spent solvents, hazardous waste, bio-ethical and biomedical waste from these campuses shall be collected separately and handled/ disposed as per KSPCB norms and Environmental Laws.


MEMBER SECRETARY


CHAIRMAN

Copy with Compliments:

- 1) Principal Secretary, Department of Forest, Ecology and Environment, Government of Karnataka.
- 2) Principal Secretary, Department of Urban Development, Government of Karnataka.
- 3) Secretary, Department of Ecology and Environment, Government of Karnataka.
- 4) Secretary, Urban Development Department, Government of Karnataka.
- 5) Director, Department of Municipal Administration, Government of Karnataka.
- 6) Commissioner, Bruhat Bangalore Mahanagara Palika, Bangalore.
- 7) Commissioner, Karnataka Urban Infrastructure Development and Finance Corporation
- 8) Commissioner, Bangalore Metropolitan Rural Development Authority,
- 9) Commissioner, Bangalore Development Authority, Bangalore.
- 10) Deputy Commissioners of the all the District of Karnataka.
- 11) Secretary, State Environment Impact Authority, DEE, Government of Karnataka.
- 12) Chief Officers of all the Urban Local Bodies.

Copy to:

- 1) All Regional RSEO's and RO's — OC —
- 2) Case File.
- 3) Notice Board/Website of KSPCB.