



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/180/EWaste/2015-16/ 4558

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CIRCULAR

Sub.: Space requirement for Collection Center, Dismantler, Recycler

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E-waste comprises of wastes generated from used electronic devices and household appliances which are not fit for their original intended use and are destined for recovery, recycling or disposal. The increase of electrical and electronic products, consumption rates and higher obsolescence rate leads to higher generation of e-waste. E-wastes contain over 1000 different substances many of which are toxic and potentially hazardous to environment and human health, if these are not handled in an environmentally sound manner. In accordance with the National Environmental Policy (NEP) and to address sustainable development concerns, there is a need to facilitate the recovery and/or reuse of useful materials from waste generated from a process and/or from the use of any material thereby, reducing the wastes destined for final disposal and to ensure the environmentally sound management of all materials.

In this regard CPCB has published guidelines for Environmentally Sound Management of E-waste. The same may be downloaded from CPCB website. The objective of these Guidelines is to provide guidance for identification of various sources of waste electrical and electronic equipments (e-waste) and prescribed procedures for handling e-waste in an environmentally sound manner. These Guidelines shall apply to all those who handle e-waste which includes the generators, collectors, transporters, dismantlers, recyclers and stakeholders of e-wastes irrespective of their scale of operation. This guidelines indicate criteria for setting up collection centres, dismantler and recycler.

Board is receiving numerous application for establishing Collection Center, Dismantler, Recycler under Water Act/Air Act and under E-waste Rules. On verification of the application and the inspection report, the consent committee has recommended to restrict the processing capacity of e-waste based on the available space area proposed by the applicant in line with the CPCB guidelines.

In this regard, area/ space requirement for the e-waste Collection Center, Dismantler and Recycler is indicated below for reference and in future, the Regional Officers shall verify the adequacy of land and compliance made by the industry as per the criteria indicated in the guidelines and recommend accordingly.

1) **Area for setting up collection centre should not be less than 1000 Sq.ft.**
Calculation for space requirement for e-waste may be done as per the given below thumb rule;

- a. Cell phone - 1.0 m³/Tonne
- b. Telephone- 2.5 m³/Tonne
- c. Stereos - 7.0 m³/Tonne
- d. Computers - 4.0 m³/Tonne
- e. Monitors - 5.0 m³/Tonne
- f. TV- 6.5 m³/Tonne
- g. Fridge - 10 m³/Tonne
- h. Washing machine - 7.5 m³/Tonne
- i. Air conditioner- 6.0 m³/Tonne

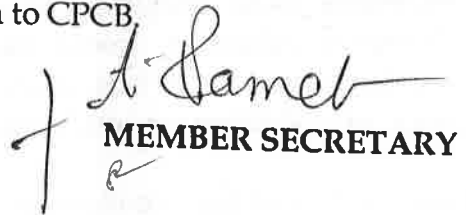
2) **A dismantler should have about 25% of the space for storage and the rest for process and other utilities. Storage space should be adequate for keeping 10 days of raw material requirement and 10 days of product and a separate enclosed space for hazardous waste.**

For example: a dismantler for a capacity of 1 Ton per day may require a minimum of 4000 Sq.ft (assuming 200 Kg/M² for raw material and about 0.5 MT/m² for segregated material and 40% free space for movement). No dismantler shall be permitted to operate below 2 MT/day. The existing dismantlers having lesser space may however be permitted to continue their operations but at reduced capacity.

3) **A recycler of a capacity 1 Ton per day shall require a minimum of 5000 Sq.ft. Registration to recyclers may be preferred if they have minimum operational capacity of 2 mT/day with an area of about 10,000 Sq.ft.**

Also, the Regional Officers shall verify Form 2 and ensure that Form-3 shall be submitted by all the collection centres, dismantlers and recyclers by 30th June following the financial year and compiled Form-3 of your jurisdiction shall be forwarded to the Board office for onward submission to CPCB.

Draft Approved By
Member Secretary


MEMBER SECRETARY

To

All ROs

Copy to;
CEO1, 2, 3
All RSEOs