

**COLOMBO MUNICIPAL COUNCIL**  
**MUNICIPAL ENGINEERS' DEPARTMENT**  
**SOLID WASTE MANAGEMENT DIVISION**

**GUIDELINES FOR THE PREPARATION OF SOLID WASTE  
MANAGEMENT PROPOSALS.**

- A. The Solid Waste Management proposals shall comply with the provisions of relevant Ordinance, Acts of Parliament of the Democratic Socialist Republic of Sri Lanka, and other subordinate legislations, Regulations, By-laws, National Policy on Solid Waste Management, Technical guidelines etc., including the followings:**
1. Municipal Council ordinance No. 16 of 1947 with special attention on Section 129, Section 130 and Section 131 and By-laws No-1, 29, 30, 31, 32, 33, 34, 44, 45, 46, 47, 54, 58 and 61.
  2. National Environmental Act No.47 of 1980 and the Amendment Act No.56 of 1988.
  3. Section 3 and 8 of Urban Development Act (UDA) No.41 of 1978 and UDA Amendment Act No. 4 of 1982.
  4. Technical Guidelines on Solid Waste Management Published by Central Environmental Authority (CEA).

5. a. Regulations for Hazardous Waste Management published by CEA in the Gazette Extra Ordinary No. 924/13 dated 23<sup>rd</sup> May 1996.
- b. CEA guideline for the implementation of Hazardous Waste Management regulations.
6. National Policy on Solid Waste Management.
7. Nuisance Ordinance No. 15 of 1862.
8. Police Ordinance No. 16 of 1865.

**B. The Report may be prepared under the following topics :**

1. Introduction
2. Background
3. Usage of floor space
4. Data Used
  - a) Residential buildings
  - b) Office building
  - c) Other purpose
5. Computation of probable waste generation and Source Segregation of Waste.
6. Computation of quantity of different type of waste generation in the building.
7. Computation of required numbers and capacity (liters) of different coloured wheely bins for segregated waste.
8. National Colour code for segregated waste.
9. In house collection Methodology.

10. Waste minimization Techniques.
11. Temporary storage Method (if any)
12. Waste Transfer system to the final collection chamber and to compactor truck.
13. Miscellaneous computation of the waste stream and containerization.
14. Implementation programme.
15. Marking of all details on Architectural Drawing. (Clear height, Location and Dimension of final collection chamber, waste transfer system, location of different bins at different floors, different bins at final collection chamber etc.)

**Note:-**

1. The access road shall be adequate for the easy movement and crossing of Solid waste collection vehicles. This has to be shown in detail in the Architectural Drawing.
2. The clear height of the floor (minimum 13'0") having final collection chamber shall be adequate for easy access of compactor trucks to the chamber.
3. There shall be adequate space inside the premises for the parking (28'x10') and turning of compactor trucks, during the collection of Solid Waste. Parking space for Compactor Truck should be marked in the Architectural Drawing. **Loading of solid waste by keeping the Compactor trucks outside the premises is not allowed.**
4. Direct disposal of solid waste into a chute / channel structure is not recommended in order to avoid spillage of solid waste or leachate liquid and to avoid disposal of mixed waste.

5. Final collection chamber for organic waste shall be maintained in a temperature not exceeding 10<sup>0</sup> C.
6. It is recommended to keep the separated solid waste in wheel mounted bins with lids and stored in the Final Collection Chamber. Capacity of wheel bins should be fair enough to handle by the labourers easily when loading solid waste to compactor trucks. (Max. 500l)
7. Only the Municipal Solid Waste will be accepted. Medical/ Clinical/ Electrical and Electronic waste/ Health care waste or Industrial Waste or Chemical waste or Atomic/ radioactive waste or any other toxic/ hazardous waste will not be accepted.
8. Two copies of proposed building plans including sections, properly marked with the location of bins as per colour code and collection chambers of segregated Municipal Solid Waste shall be submitted along with the proposal.

However, approved plans shall be submitted when making application to get clearance after the implementation of approved proposal.

**Director Engineering (Solid Waste Management)**

**Revised as at 15<sup>th</sup> April 2018**