

UIDSSMT

Solid Waste Management projects: Procedure for preparation and submission of Detailed Project Reports (DPRs)

The DPRs should be prepared as per the guidelines laid down in the Manual on Municipal Solid Waste Management published by this Ministry in May, 2000 and each component of the project be prepared as per the norms laid down thereon and guidelines on NURM/UIDSSMT, Biomedical Waste Management Rules, MSW Rules.

A. General :

Whether this sub-project is contemplated as part of the overall CDP of the city? Yes/No.:

If yes, the DPR should contain the following:

- Population of the city as per 2001 census, present and future design period.
- Present condition of the city, area, population covered by SWM system,
- Justification / need for the proposed SWM project,
- Area/ population to be covered,
- Soil characteristics, topography, geology etc.
- Ground water table in different seasons,
- Environmental Impact Assessment

B. Technical:

The DPR shall include the following:

- (i) Existing status of SWM in the city including infrastructure for collection, transportation, treatment & disposal of wastes, existing equipment/ machinery, their age.
- (ii) Field study must be carried out in the residential, commercial / institutional areas to assess the quantity and quality of garbage generated for planning the system and report of the field study may be furnished.
- (iii) Physical and chemical characterization of wastes, including moisture content, density etc., weight & volume of bio-degradable, non bio-degradable & recyclables of the daily waste and test report for quality of garbage from a standard testing laboratory.
- (iv) Alternate options for processing/ treatment of wastes and choice of appropriate option
- (v) Separate treatment / collection facility for bio-medical waste should be provided.
- (vi) Justification for equipment & machinery required for collection and transportation based on time and motion study.
- (vii) Detailed design & drawings of the proposed Solid Waste Management System including sanitary landfill / waste processing plants including compost plant.
- (viii) Details of soil survey and geo-hydrological investigation carried out for development of sanitary land fill.

- (ix) Mechanism for operation & maintenance of equipment and machinery and their upkeep, preventive maintenance on regular basis and proposed equipment & machinery, present and future expenditure
- (x) Mechanism for operation and maintenance of compost plant, sanitary land fill / waste processing plant etc. on self sustaining basis.
- (vii) A routing plan for storage and collection of garbage, marked out on the city's layout plan, to facilitate easy operations in SWM services.
- (viii) Details of treatment option for the leachate before its disposal.
- (ix) Proposed institutional and financial reform
- (x) Annual O&M expenditure and action plan for effective O&M through imposition of user charges.
- (xi) Details of land available for setting up of integrated waste management facility including land for sanitary landfill.
- (xii) Action plan for adoption of two-bin system in the households and segregation of garbage at source.
- (xiii) Public awareness through IEC.
- (xiv) Issues in regard to Public Private Partnership initiatives, capacity building, community involvement etc. may be addressed.