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### **Solid Waste Collection / Disposal Plan**

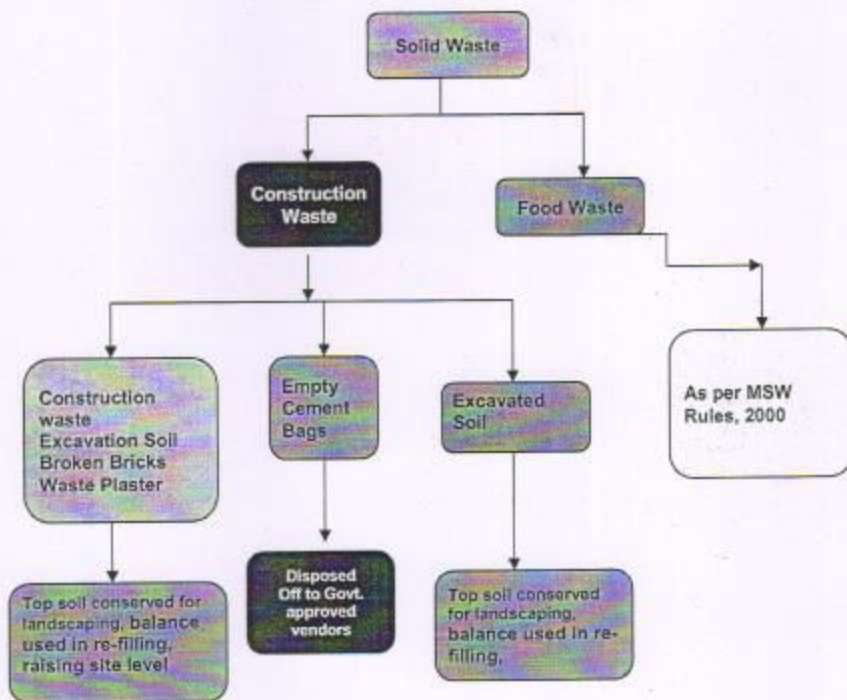
The solid waste generated from the project will be mainly domestic waste the solid waste so generated shall be first segregated as plastic, glass, paper and other waste separately and disposed off as per MSW Rules, 2000. The inert solid waste will be transported to a govt. designated landfill site.

Solid waste would be generated both during the construction as well as during the operation phase. The solid waste expected to be generated during the construction phase will comprise of excavated materials, used bags, bricks, concrete, MS rods, tiles, wood etc. The following steps are proposed to be followed for the management solid waste:

- Construction yards are proposed for storage of construction materials.
- The excavated material such as topsoil and stones will be stacked for reuse during later stages of construction
- Excavated top soil will be stored in temporary constructed soil bank and will be reused for landscaping of the proposed project.

Remaining soil shall be utilized for refilling / road work / rising of site level at locations / selling to outside.

## SOLID WASTE MANAGEMENT DURING CONSTRUCTION PHASE



### ❖ Collection and Segregation of waste

1. A door to door collection system will be provided for collection of domestic waste in plastic bags from household units.
2. The local vendors will be hired to provide separate plastic bags for dry recyclables and Bio-Degradable waste.
3. For commercial waste collection, adequate number of colored bins (green and Blue – separate for Bio-degradable and Non Bio-degradable) are proposed to be provided at the strategic locations of the commercial area.
4. Litter bin will also be provided in open areas like parks etc.

❖ **Treatment of waste**

• **Bio-Degradable wastes**

1. Bio-degradable waste will be subjected to vessel composting and the compost will be used as manure.
2. STP sludge is proposed to be used for horticultural purposes as manure.
3. Horticultural Waste is proposed to be composted and will be used for gardening purposes.
4. Grass Recycling – The cropped grass will be spread on the green area. It will act as manure after decomposition.

• **Recyclable wastes**

- i. Recyclable waste like Paper, plastics, metals will be sold off to the authorized recycler of the area.

❖ **Disposal**

Only Inert waste will be disposed off. These will be transported to the nearest landfill site by the hired waste management agency. However, the MSW management approach will be towards zero land filling by reducing the amount of inert waste.

A Solid waste management Scheme for the proposed project is depicted in the following figure.

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### SOLID WASTE MANAGEMENT DURING OPERATIONAL PHASE

