SOLID WASTE MANAGEMENT

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

- 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
- Excavated top soil will be stored in temporary constructed soil bank and will be reused for
- Remaining soil shall be utilized for refilling / road work / rising of site level at locations/ selling to outside agency for construction of roads etc.



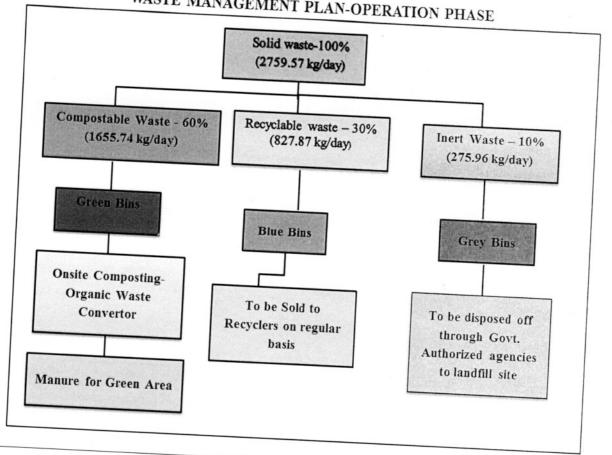
Operation Phase:

During the operation phase, waste will comprise domestic as well as agricultural waste. The solid waste generated from the project shall be mainly domestic waste and estimated quantity of the waste shall be approx. 2759.57 Kg/day kg per day (@ 0.50 kg per capita per day for residents.

Total Expected Solid Waste Generation from the Project

S.No.	Category	Population	Kg per capita per day (kg/capita/day)	Waste generated (kg/day)	% in term of total wast
1.	Residents			(kg/day)	generation
	Tower-1	2576			91.92%
	EWS Blocks	2432	@ 0.5	2536.5	
	Commercial	50			
	Service Staffs	15			
	Total Population	5073			
•	Floating Population (@25% of total Population)	1268	@0.15	190.2	6.89%
	Landscape Waste				
	$(6346.81 \text{ m}^2 = 1.568 \text{ acre})$		@0.2 Kg/acre/day	3.873	0.14%
	STP (Housing)	290 KLD			
	Capacity: 315 KLD	total waste	10% of the total waste	29	1.05%
	STP (EWS Blocks)	water	water		
	Capacity: 300 KLD	generation			
	Total Solid Waste Generated		2759.573		1000/
	(predicted values) kg/day Biodegradable Waste (60% of	the Total	Say 2759.57 kg/day		100%
	waste)		1655.74 kg/day		60%
	Recyclable Waste (30% of the Total Waste)		927 971		
	Inert Waste (10% of the Total V	Waste)	827.87 kg/day		30%
		,,,,	275.96 kg/day		10%

WASTE MANAGEMENT PLAN-OPERATION PHASE



Municipal Solid Waste Generation & its Management						
	Population					
Occupancy (@0.50 Kg/C/day)	5072	Solid Waste Generation (Kg/Day)				
Total Municipal Solid Waste (Kg/Day)		2536.5 Kg/day				
Nature of solid waste	te (Kg/Day)	Organic Waste: Wastes vegetables, flowers an foods, Papers cartons, thermocol planting				
waste						
70 0		polytnene bags etc.				
Collection Treat		Inorganic Waste: metallic and glass waste etc. Municipal solid waste generated the second state of the se				
Collection, Treatment and dispos	sal					
		construction solid waste generated during				
		construction and operational phases will a				
		officered, freated and disposed as per the Manie				
		Solid Waste (Management & Handling) Rules,				
Dogwell.		2000. Handling) Rules,				
Recycling						
		The inorganic wastes comprising recyclable				
		materials such as paper, plastic, glass etc. will be				
		sold to prospective buyers.				

Collection and Segregation of Waste

- 1. A door to door and floor collection system will be provided for collection of food waste in plastic
- 2. Adequate number of colored bins (green and blue-separate for bio-degradable and Non-Biodegradable) is proposed to be provided at the strategic locations.
- 3. Litter bin will also be provided in open areas like parks etc.

Treatment of Waste

- **Bio-Degradable Wastes**
- Biodegradable waste will be subjected to composing and the compost will be used as manure. 1.
- 2. Horticulture Waste is proposed to be composted and will be used for gardening purposes. Recyclable
- 1. Grass Recycling The cropped grass will be spread on the green area. It will act as manure after
- 2. Recyclable Waste like paper, plastics metals will be sold off to the authorized recycler of the

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 landfill by E-Waste

Electronic waste popularly known as e-waste can be defined as electronic equipments/products (such as CDs, keyboards, monitors, power plug, batteries etc.) which have become obsolete due to:

- Advancement in technology
- Changes in Fashion, style and status
- Nearing the end of their useful life.

The e-waste generated from the proposed project would be suitably managed.

The 3R mantra of "Reduce, Reuse and Recycle" is proposed to be followed here.

- Reduce generation of e-waste through smart procurement and good maintenance.
- Reuse still functioning electronic equipment by donating or selling it to someone who can still
- Recycle those components that cannot be repaired. To identify organizations who reuse or recycle