

2.5. Solid Waste Management

Sl.	Description	Basis for Demand-Supply Gap Assessment				Additional Demand / Gap (Cumulative from 2006)			Investment Requirement to address Gap (Cumulative (in Rs. Lakh @ 2006-07 prices)			
		Indicator	Unit	Current Level	Norm	Unit	2006	2011	2025	2006	2011	2025
A	Total Waste Generated	Per Capita Waste Generation	gpcd	284.32	300.00	MT	149.00	191.00	331.00			
B	Vehicle & Infrastructure Requirement	Based on CPHEEO Norms for Modernization of Solid Waste Management in Urban Areas, 1999										
1	Containerized Handcarts	Number per ton	Nos	-	3.75	Nos	559	716	1,241	33.62	43.06	74.64
2	Containerized tricycles	Number per ton	Nos	-	0.25	Nos	37	48	83	3.89	5.05	8.74
3	Community Bins for Slums	Number per ton	Nos	0.34	3.75	Nos	509	666	1,191	7.65	10.01	17.91
4	Seamless handcarts for silt removal	Number per ton	Nos	-	0.50	Nos	75	96	166	3.38	4.33	7.49
5	Small vehicles for direct collection of waste	Number per ton	Nos	0.02	0.02	Nos	-	1	4	-	2.12	8.48
6	Closed dumper placer type containers 4.5 cu.m volume	Number per ton	Nos	0.07	0.50	Nos	65	86	156	28.34	37.50	68.02
7	Closed dumper placer containers of 7 cu.m. Volume	Number per ton	Nos	-	0.35	Nos	52	67	116	31.28	40.30	69.77
8	Containers for domestic hazardous waste	Number per ton	Nos	-	0.06	Nos	9	12	21	3.92	5.23	9.16
9	Dumper placer machine for 4.5 + 7 cu.m. Containers	Number per ton	Nos	0.01	0.06	Nos	8	11	20	101.40	139.43	253.51
10	4.5 cu.m. skips for construction waste	Number per ton	Nos	-	0.05	Nos	7	10	17	3.05	4.36	7.41
11	Skip lifters	Number per ton	Nos	-	0.01	Nos	1	1	2	12.68	12.68	25.35
12	Small vans for hospital waste collection	Number per ton	Nos	0.01	0.01	Nos	1	1	3	3.38	3.38	10.15
13	Incineration plants	Number per ton	Nos	-	0.01	Nos	1	1	2	33.80	33.80	67.60
14	Bulldozers/ Wheel-dozers	Number per ton	Nos	-	0.00	Nos	-	-	1	-	-	67.59
15	Asphalt / concrete of flooring at the waste storage depots	Number per ton	Nos	-	0.85	Nos	127	162	281	22.92	29.23	50.70
Sub-Total Vehicles & Infrastructure									289.33	370.49	746.52	
C	Composting & Landfilling of Waste	% Waste Composted	%	-	100.00	MT	149	191	331	1,490.00	1,910.00	3,310.00
D	Improvement to Workshop	Lumpsum Estimate								25.00	32.00	66.00
E	Community Awareness & Training	Lumpsum Estimate								25.00	32.00	66.00
Grand Total Solid Waste Management									1,829.33	2,344.49	4,188.52	