

Preparation of Master Plan for Solid Waste Management of Ahmedabad Municipal Corporation

Project Name: Preparation of Master Plan for Solid Waste Management, Ahmedabad Municipal Corporation
Client Name: Ahmedabad Municipal Corporation
Country: India
Length of Assignment: 2011- 2013

Project Brief

With increase in population and spatial spread in urban Ahmedabad, Ahmedabad Municipal Corporation (AMC) currently covers a total geographic area of 466 sq km and has 55.6 lakh populations which are administered in 6 Zones with 64 Election Wards. Currently, Ahmedabad city produces about 3500 Metric Tons (MT) of solid waste per day. In its endeavor to keep the city clean, the Solid Waste Management (SWM) department of AMC has taken many initiatives including law enforcement through mobile courts, improved collection by way of Door-to-Dump solid waste collection, strengthening and modernization of street sweeping, maintenance of public latrines and toilets, protected and safe transportation of solid waste, public private partnership based waste processing plants etc. AMC requested UMC to prepare a master plan for their Solid Waste Management Services. Undertaken in a consultative manner, the master plan will guide the technological, social, financial options for the city to move towards becoming a zero waste city.



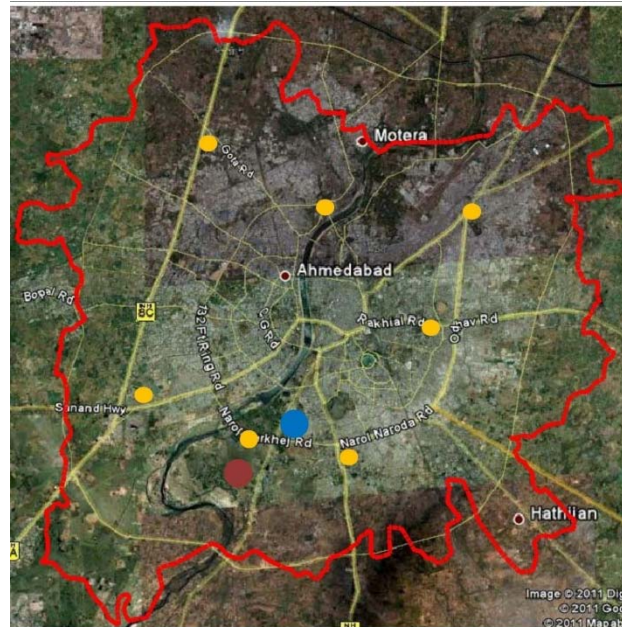
Detailed Description of the Actual Services Provided by UMC

UMC conducted numerous visits to sites for the purposes of data collection, field visits, interaction with ULB officials, citizens, focused groups, etc. In addition to data collection, detailed site visits were conducted at the following locations to assess the status of MSWM services:

- Waste collection points in residential, commercial, and special (including meat & vegetable) market areas; formal and informal open dumping sites in and around the city, etc.
- Natural water bodies including nalas, river, lakes, ponds, etc. to assess the environmental degradation caused due to lack of MSWM services in the city.
- Public toilets, urinals and open defecation (OD) spots.
- Special areas such as railway station, Gujarat University, other campuses of large institutional areas, GIDC estates in the city, etc.

- Some select outgrowths/ contiguous settlements to the city.
- Other site visits included areas such as the slums, residential areas, municipal civic centres, retail and wholesale markets, health and educational institutions, etc.
- The purpose of these detailed field visits was to establish a qualitative relationship between the statistical details provided by the ULB with the actual ground realities, which in many cases, were found to be in conflict with each other. Based on the verification of collected data by AMC, UMC conducted further studies to summaries the findings and present proposals to fill any gaps in MSWM services.

UMC created the framework for the proposed Master Plan and also facilitated consultations between concerned organizations and stakeholders to develop the Master Plan. The organization also aided the finalization of technological, social and financial options for the Master Plan and its process.



UMC's Master Plan for SWM is aimed to guide AMC towards its goal of becoming a Zero Waste city by 2031. AMC has signed a MoU with the United Nations Center for Regional Development for the same—UNCRD is providing technical support to AMC for developing a “Roadmap for Zero Waste Ahmedabad”.