



Ahmedabad Municipal Corporation Solid Waste Management



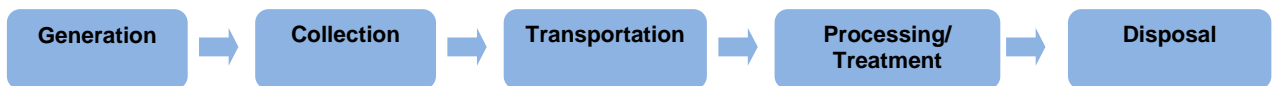
Off: Municipal Central Workshop Compound,
Opp. Sahakari Lati Bazar, Jagannathji Road, Ahmedabad- 380 022
Telephone No. 079-32982385 Fax No. 079-25321484
E-mail: swm@egovamc.com

BRIEF PROFILE OF AHMEDABAD AND AHMEDABAD MUNICIPAL CORPORATION

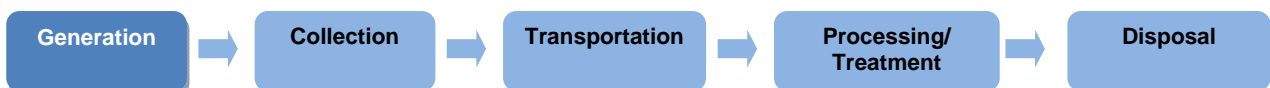
- Ahmedabad is the 7th Largest Metropolis in India, having a population of almost 60 lakhs and spread over an area of 466 Sq Km.
- The city is witnessing a major construction / infrastructure boom as well as a steady population increase. It is a growing hub of education, information technology and scientific Industries.
- The Ahmedabad Municipal (AMC) provides all basic services to citizens of Ahmedabad Water supply, collection of sewage, solid waste management building roads and transportation, street lighting, providing medical and educational facilities are some of the key services. For effective service provision and smooth administration to all citizens, AMC has divided its activities in 6 Zones and 64 wards

SOLID WASTE MANAGEMENT IN AHMEDABAD

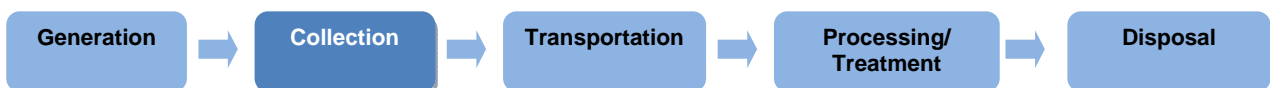
- The Ministry of Environment and Forest (MoEF), Govt. of India issued a notification on the 25th September, 2000 under the Environment Protection Act 1986 stating that all cities and towns of India should undertake municipal solid waste management as prescribed by the rules. These are known as “The Municipal Solid Waste (Management & Handling) Rules 2000”.



Almost, 3500 Metric Tons of solid waste is generated from the city on a daily basis. This waste is collected, transported, treated and disposed according to Rules.

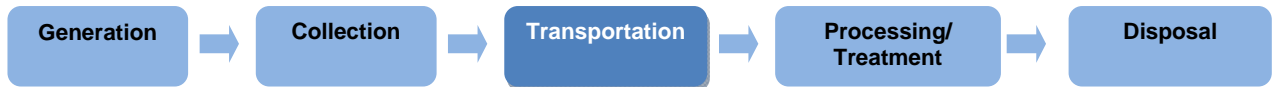


- Nearly 61 percent of the entire waste is collected from municipal bins and from street sweeping. Street Sweeping is carried out on all 365 days by more than 11,000 workers from the morning 6:30 am to 11:30 am and 3 pm to 6 pm on all roads of the city.

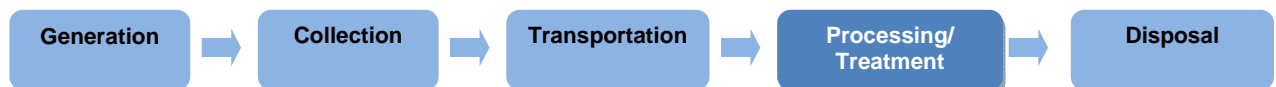


- AMC introduced a new concept of Door / Gate to Dump since July 2009, in which the AMC appointed contractor collects waste from residential units in the morning hours and from commercial units in the evening in closed Hydraulic Euro III vehicles

- The waste from these vehicles is transferred to Refuse compactors from each ward to the treatment plants. The project is successfully covering 100% of all residential & commercial units, on all 365 days of the year. More than 600 Vehicles have been deployed that start the collection process from 7 am onwards. Currently, more than 1500 metric tons of waste is collected in this manner and transported to the processing plants.
- AMC has identified more than 1100 locations as waste collection points. 725 closed body M.S. Community storage bins have been provided on 597 sites for waste collection.

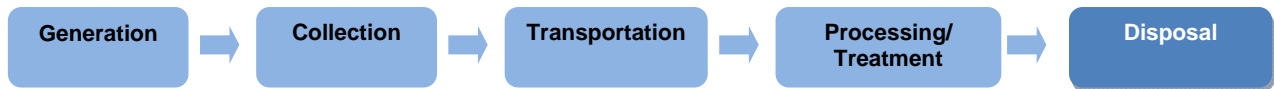


- AMC has developed a fully mechanized transportation system that ensures handling of waste only once. Further AMC has also outsourced the secondary waste transportation system & ensure timely & efficient removal of waste from its collection point.
- AMC has also deployed its own 44 Tipper Trucks, 5 Compactors, 4 Meat Vans, 4 Nuisance Tankers, 1 Mobile Court, 46 Tractors, 12 Skip Lifters, 30 Dumper Placers, 10 Road Vacuum Sweepers and other rented vehicles in all 6 zones on daily basis for efficient cleaning of the city.
- AMC collected, transported and disposed off 9,48,390 metric tons in 2010-11 and 10,00,585 metric tons from April, 2011 to Feb-2012.
- AMC has contracted the daily collection and transportation of bio-medical waste from 5 municipal hospitals, referral hospitals, 59 urban health centers to the incineration plant. The contracts have been given to GPCB approved and authorized contractors (Semb Ramky Environmental Management Pvt Ltd and Bio Medical Waste Management Pvt. Ltd.)
- Dead animals and carcass are collected, transported to Gyaspur by SWM Department's Pail Depo office. This facility is available from 7 a.m. to 11 p.m on all 365 days. (Telephone No. 079-32984152 & 079-25352911).
- For collection, transportation and final disposal of kitchen waste from hotels and restaurants, AMC has contracted with two agencies. Waste collected from such units is transported to composting plant of AMC's partner-Excel Industries Ltd. Currently, more than 1000 units are covered through this system.



- AMC entered into an agreement with Excel Industries Ltd. in 1997 for 15 years for converting of 500 tons of MSW per day into compost. AMC has provided 25 acres of land near the dump site for 15 years.
- AMC has entered into an agreement with UPL Djai Power Ltd. for processing of 250 tons of MSW per day into RDF/ Pellets & Fluff. RDF will be used as fuel in boiler as a substitute of wood, lignite, coal and furnace oil in the industries. AMC has provided 15 acres of land for 25 years.
- AMC has entered into an agreement with Creative Eco Recycle Port Pvt Ltd. for processing of 800 tons of MSW per day into RPPWF (Refuse, Paper, Plastic, Wood and Fuel) which will be used as a fuel in the boilers as a substitute of wood, lignite, coal and furnace oil in industries. AMC has provided 12.5 acres of land for a period of 30 years. The plant is under construction and will start soon.
- AMC has signed an agreement with Hanjer Biotech Energies Pvt. Ltd. for processing 500 tons of MSW per day into multiple products like compost, fuel pellets, RDF etc. AMC has

provided 50,000 Sq. Mt. land for a period of 30 years. The plant is under construction and will start soon.



- AMC has constructed a new scientific landfill site at Gyaspur having an area of 12.88 ha with a capacity of 11.50 lakh MT (i.e. 1.15 million tons). This would enable use of this site for the next 6 years with a daily off load of 500 MT of inert MSW from MSW processing plants. AMC has also earmarked land of 68 ha for future need of 30 years in 5 phases. The site's construction was completed and put in use since 14 October, 2009.

OTHER INITIATIVES OF THE AHMEDABAD MUNICIPAL CORPORATION IN THE SWM SECTOR

- **Information, Education and Communication activities for Awareness among the Citizen of Ahmedabad**
AMC has initiated IEC (Information, Education and Communication) activities for generating awareness among the general public towards cleanliness, waste treatment & waste disposal. Activities include formation of committees, conducting group meetings in the wards, short films, publicity through television channels / local cable network, advertisement in newspapers, distribution of pamphlets, erecting of Banners, Slides in cinema theatres, conducting street plays, organizing of rallies involving school & college students. Imparting awareness training to municipal staff and councilors has also been included.
- **Sanitation Mobile Court**
AMC launched country's first Sanitation Mobile Court on 4th June, 2009 which is dedicated to disciplining those who litter and help to keep city clean. Till 17/01/2012, total 74,657 cases have been registered and Rs. 1.18 Crore penalty levied from such offenders.
- **Preparing Ahmedabad's SWM Master Plan for 2031**
AMC has decided to prepare a Solid Waste Master Plan for 2031. The details shall be covered in the Master Plan are Introduction to SWM Master Plan – A Country Overview, Profile of Ahmedabad City, Existing SWM System in Ahmedabad, Solid waste characteristics, Current (leading) waste management practices, Strategy & Options for SWM in Ahmedabad, Planning for 'Zero Waste' management system, Institutional strengthening and training, Capital Investment Plan, Monitoring & Evaluation
- **Transfer Stations (under construction)**
Six Transfer Stations of about 400 MT capacity each to be set up in Five Zones. At each transfer Station, 2 Stationary Compactors and 10 Large Containers (20-25 CMT Capacity which can carry 10 to 12 MT of MSW) will be deployed i.e. total of 12 Stationary Compactors, 60 Containers and 40 Large Hook Loader Vehicles. Advantages for these transfer stations are savings in transportation cost, reduction in pollution and easement of traffic conjunction
- **Effective Utilization of Garden / Green Waste**
AMC initiated a pilot project at Law Garden from 29th September 2011. Garden, hotel kitchen and other green waste will be converted into organic manure with the help of Organic Waste Convertor Machine of the Excel Industries Ltd. and with project site management assistance by Gujarat Consumer Industries on PPP mode. Citizens once registered can give their green waste at this site and earn credit points. Organic manure to the tune of 30% of the green waste given will be returned back to the member free of cost. Weighing of the receipt of green waste and delivery of organic manure is being done by an electronic weighing scale. The manure is delivered in 900 gm. in Eco

compostable 'True Green' bag to the members free of cost. The timings for Eco Club activity is from 8 a.m. to 10 a.m. and 4 p.m. to 6 p.m.

▪ **Wealth out of Waste Project (WoW)**

The focus of this initiative is to segregate solid dry recyclable waste at the source i.e. at the household Level & and also to create awareness for people's participation. Recyclable Paper, Plastic, Metal (Ferrous & Non Ferrous) and Glass (Non Hazardous to handle) would be taken by the collectors from households who would be paid appropriate amounts.

FOR FURTHER INFORMATION ON SWM – AHMEDABAD

Power Point Presentation: http://www.egovamc.com/swmc/SWM_AMC_POWERPOINT.pdf

CONTACT DETAILS FOR REGISTERING COMPLAINTS

Complaint by E-mail: info@egovamc.com

Telephone Numbers for cleanliness complaints

	Numbers
AMC Main Office	079 25353858, 18002332330 (BSNL Toll Free)
Sardar Patel Bhavan, Danapith, Ahmedabad	Fax No. 079 25350926

Zonal control room for complaints related to cleanliness

Name of Zone	For Overall Health Complaint Telephone No.	Door / Gate to Dump waste collection related complaints Telephone No. (8 A.M. to 6 P.M.)
East	32981336 (9 am to 6 pm)	9979012340
West	27551292 (9 am to 7 pm) After 7 pm: 27550910	9099074433
New West	26858176, 32984142 (9 am to 6 pm)	9099074440
South	25465344 (10 am to 6 pm)	7600030203
Central	32981207 (9 am to 6 pm)	65451114
North	22842926 (9 am to 6 pm)	65451115

Zone wise, list of concerned officers, mobile numbers and e-mail id

Name of Zone	Concerned Officer	Telephone No. and email id
Central	Dr. Bhavinbhai Joshi	9327545802 bhavinjoshi@egovamc.com
East	Dr. Divyangbhai Oza	9327038848 dpoza@egovamc.com
West	Dr. Bhavinbhai Solanki	9327038841 bhavinsolanki@egovamc.com
North	Dr. Chiragbhai Shah	9327038803 chirag_shah@egovamc.com
South	Dr. Tejasbhai Shah	9327555231 tashah@egovamc.com
New West	Dr. Milanbhai Nayak	9327038837 milannayak@egovamc.com