

Modern Waste Transfer Stations in Coimbatore

The transfer station has a specially designed industrial type building suitable for monsoon operations. Waste is brought to the transfer station for loading into larger containers. The transfer station comprises of several equipment such as heavy duty high compaction compactor, hopper, charge box, load on loaders, and/or a trailer type hook loader with a container of 20 cubic meters. The system is initially designed for 200 TPD waste handling capacity; For 200 TPD capacity transfer stations, one stationary compactor with 35 ton per hour throughput is provided, initially. An additional bay to house a similar compactor for future augmentation will be provided.

In addition, an additional bay without stationary compactor for loading the waste into open-at-top containers by direct deposition of waste into the container is provided. Each transfer station is able to handle more than 200 TPD of waste. As the waste quantity increases in peak hours, waste is directly loaded into open containers to match the increased waste quantity. The transfer station is at all times able to load the open containers without compaction; the advantage of this arrangement is that during downtime of the stationary compactor, the transfer station operations are able to continue without any disruption.

To facilitate unloading operations on the floor, a separate area with enough space for 1 hour storage, with a waste height of 0.5 m for peak hour waste arrivals (30 tons per hour) is provided on the upper deck portion of the transfer station. This facility is however used only under exceptional conditions.

Following are the Salient Features of a transfer station located at Sathy Road in Coimbatore

Area of the site	: 1.55 Acres
Designed capacity	: 200 TPD
Total No. of Stationery Compactor	: 1
Capacity of Charge Box or Hopper	: 3.34 m ³
Round distance from transfer station to disposal site	: 34 km.
Waste handled during Peak Hour (6.30 to 9.30 A.M)	: 70 Tons
System capacity	: 35 TPH
Capacity of Computerized weigh Bridge	: 40 Tons

For more details contact:

Shri Dr.K.Vijayakarthiskeyan, I.A.S., Municipal Commissioner Corporation of Coimbatore, Tel.: 0422 - 2390261, 2396026, e-mail: commr.coimbatore@tn.gov.in, commissioner@ccmc.gov.in