

# A STUDY ON SOLID WASTE MANAGEMENT SCENERIO IN KURNOOL CITY

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## **Abstract**

This paper aims to give brief note on kurnool municipality viz., Number of dumper bins and their locations. Transportation network through which solid waste transported to final destination (Dumping Site), Number of vehicles engaged for the transportation of solid waste from initial position (door to door collection) upto the final dumping site, Details of the dumping site viz., distance from the residential area and other precautions for site selection etc.,

**Key words** - Municipal Solid Waste(MSW), landfills, Environmental conditions, Garbage, Solid Waste Management(SWM)

## **I. INTRODUCTION**

The fact about Indian towns and Cities are found littered with Municipal Solid Waste and represent an unpleasant look at many of the places within the town/city. In most of the cities/towns, only important locations are maintained with cleanliness leaving other most of the places chocking with littered waste. These collected wastes are disposed on un-authorized land-fills; and it is a long-way to see that the entire collected waste by a town or city is processed and only the remnants disposed in landfill. In fact, remnants classified as “non-recyclable / inert have to be converted into other type of useable product so to realize the mission and vision of achieving ‘Zero’ land filling. Drawing of time-targeted action plan for management of MSW by each city and town is essential against the population and developmental growth, otherwise, with the increasing huge quantity of waste will lead to un-healthy and hazardous environmental conditions.



**Municipal Solid Waste in India**

**KURNOOL MUNICIPAL CORPORATION:**

**TABLE – 1**

**GENERAL DETAILS OF SWM**

Solid Waste Management Details	No.s /Mts
No.of Sanitary Divisions	<b>13</b>
No.of Sanitary Inspectors	<b>13</b>
Garbage generated Per day	<b>170Mts</b>
Garbage lifted per day	<b>170Mts</b>
Total Sanitation Staff (Regular Workers + Contract Workers)	<b>956 No.s</b>
Total Vehicles Use for Door to Door Garbage and lifting of Garbage	60 Vehicles(Tippers, Dumper Placers, Tractors, Autos, JCB, Dozer etc.,)

**2.Number of dumper bins and their locations (GIS map for dumper bin locations if available).**

37 No.s of Dumper Bins are available in Kurnool Municipal Corporation, and GIS mapping also available for further investigation.

**3.Transportation network through which solid waste transported to final destination (Dumping Site)**

No. of Transit Points : 1 (At Jammichettu)

No.of Compost yard : 1 (At Gargeyapuram)

Distance between the Transit point to Compost yard : 12 Kms.

Garbage Collected from the various sanitary Divisions from the Dustbins, Markets and Door to Door garbage Collection points through the Tractors and Autos to Transit Point.

- I. Garbage collected from the Tractors / Autos will be transferred to the Tippers at Transit point.
- II. Dumper bins garbage was collected through the Dumper Placers from the various sanitary divisions and dumped at Gargeyapuram Compost yard.

#### **4. Number of vehicles engaged for the transportation of solid waste from initial position (door to door collection) upto the final dumping site**

60 Nos of Vehicles utilized for the Garbage Transportation and the details are as follows

**Transportation of solid waste from initial position (door to door collection) vehicles details:** No.of Tractors (Department + Private)(13+25) : 38 Autos:: 07

**Transportation of solid waste from final position position vehicles details:**

No. of Dumper Placers :: 05

No. of Tippers :: 06

#### **5. Details of the dumping site viz., distance from the residential area and other precautions for site selection.**

No. of Compost yard : 1 (At Gargeyapuram)

No. of Acres : 38 Acres

Distance between the Transit point to Compost yard :: 12 Kms.

The Compost yard site is rock area, and there is approach road from the main road to Compost yard site and the Precautionary measures are taken regularly like prevention of burning garbage .

The Compost yard site is selected by the the District Revenue Department and A.P. Pollution Control Board Department.

Tenders stage is completed and currently in agreement stage for construction of Waste to Energy plant at Compost yard.

#### **REFERENCES:**

(1)Suggestive/Indicative “The National Action Plan for Municipal Solid Waste Management” [In compliance with Hon’ble National Green Tribunal Order Dated 5th February, 2015 in the Matter of OA No. 199 of 2014, Almitra H. Patel &Anr. Vs Union of India & Ors.] CPWD

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3. Data collected from Kurnool Municipality, Kurnool, Andhra Pradesh from Municipal Commissioner Office.