

Sivagangai Municipality
Solid Waste Management

Present Practices

Sivagangai Municipality is collecting 100% of solid waste generated from the town with the help of existing vehicles and labour at present. 60% are biodegradable or (wet waste) and 40% are Non bio degradable or (Dry waste).

The Solid waste is collected by using BOV and Pushcart. 60% of Bio degradable (wet waste) are segregated and processed in three M.C.C. 40% of dry waste , saleable wastes are sold to vendors and non saleable wastes send to cement factories.

The following infrastructure and facilities are available for solid waste management in Sivagangai Municipality.

Total Square Km	- 6.97 sqkm	
Total No.of Wards	- 27	
Total house hold	- 14771	<u>Population</u>
Total population	- 43990	2011 - 40403
Floating Population	- 10000	2021 - 43990
Per Capita Generation	- 300gm	
Total waste generation	- 13.20 MT	

Waste characterization

MSW Waste Stream	Quantity in TPD	% of MSW
Wet waste	7.50	57%
Dry Waste	3.50	26.5%
Other wastes (Drain Silt & Inert)	1.419	10%
C&D Waste	Qty in TPD	% of MSW
Total C&D Waste generated	0.781	6.5 %

Wet waste - 7.5 MT(Processing Details)

SLNO	METHOD	NUMBER	Processing Capacity	Current Status
1	MCC	3	9 MT/each 3MT	5.7 MT
2	Bio Gas Plant	-	-	-
3	Windrow	-	-	-
Total			9 MT	6.7 MT

Dry waste – 3.96 MT

SL.NO	METHOD	NUMBER	Processing Capacity
Functional	RRC	1	3 MT
Under construction	MRF	1	3 MT

- Recyclable waste : Selling by Sanitary workers
- Combustible waste : MOU Signed with, Dalmia Cement Factory at Trichy, Ultratech Ariyalur & HVA Chemical Solution pvt,Ltd., Panithavayal, Ramanathapuram , green wave ECO solution , kochin
- 130 MT** of Plastic Waste has been sent to cement factories
- E.Waste : Letter sent to TNPCB Authorized agency Micro E.Waste
- Hazardous waste : Letter sent to TNPCB Authorized agency,
- Inert & silt : Stored in Designated place at Maruthupandiyar Nagar

Primary Vehicle Details

- No.of BOV : 8 Nos -400HH/BOV
- No.of.LCV : 6 Nos-1100HH/LCV
- No. Of. PUSH CART : 35 Nos

Yet to be Receive

- LCV : 6 Nos
- BOV : 11 Nos

Staffs Details

- : Sanitary Officer – 1
Sanitary Inspector - 1
Sanitary Supervisor - 3
Permanent Sanitary workers -71
Out sourcing Sanitary workers - 71
Agency: S.R.Manpower Consultancy