



City Profile

Population: 776077

- Households: 152606

Wet Waste : 137 TPD

Dry Waste : 55 TPD

Domestic Hazardous & Sanitary Waste : 2 TPD

No of Onsite Composting: 27

No of Households Practicing Home Composting: > 10,000



Decentralized Solid Waste Management

The Community Level Decentralized Solid Waste Management is a system to reduce the quantity of waste at source. It involves the management of municipal solid waste by various small waste management centres within the locality.

- Independent of City LevelPractices
- Volunteer Driven
- More Perks to the Initiators
- Self Satisfaction
- Proud Feeling
- Economical



Decentralized composting can be operated by an appropriate technology and implemented at reduced investment and operating costs.

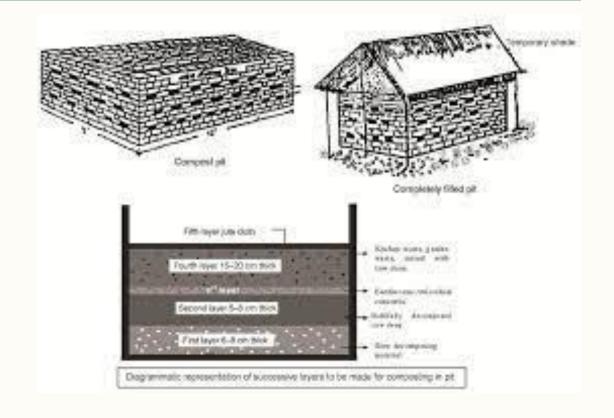
Manual composting in small, decentralized plants is more easily integrated in the prevailing Indian level of development and socioeconomic background.





Pit Composting

- The basic structure of the above ground pit has small horizontal air pipe on the walls. The supplements of air circulation in the pit and thereby hastens compositing.
- Pit can have a dimension of 9x4x3 ft depending on the requirment. It generally takes two months time to prepare compost.



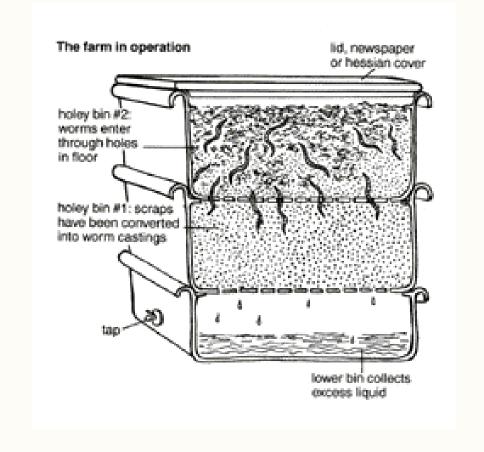
Pit Composting



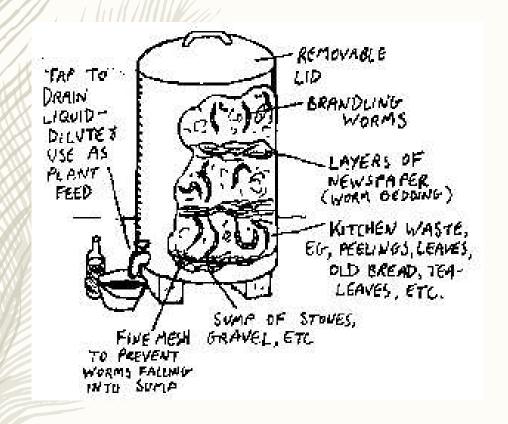


Vermi Composting

- Vermi composting is an effective process that can be done at the community level but requires little bit more involvement.
- Vermi composting involves waste preparation, predigestion, waste degradation and finishing of compost.
- Waste needs to be sorted and prepared for rapid degradation.



Vermi Composting





Drum Composting/OWC



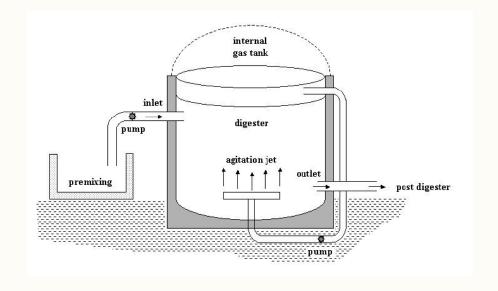






Small Scale Anaerobic Digestion (Bio-Gas)

- Small scale bio-gas is a decentralized technology and the most environmentally friendly technology to recover energy and liquid fertilizer from organic wastes
- It is extremely appropriate to ecological and economic demands of the future as it provide pollution free environment, efficient energy for cooking.



Small Scale Anaerobic Digestion (Bio-Gas)







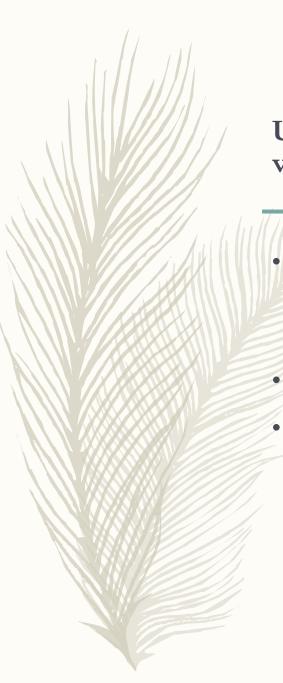
Efforts from Govt, Private Payers and NPO

- Urban Local Body
- JUSCO
- SWACHHTA PUKARE,
 ROTARY CLUB, Lions
 Club of Jamshedpur
 and many other active
 and promising NGOs









Utilization, Marketing, MDA scheme of GoI, value chain to market compost in Jamshedpur

- Self Utilised by ULB (In execution of vegetation in public area, dividers and parks etc.)
- Sold @1600/ton
- Jamshedpur despite being steel city is also a green city, so a huge part of Compost is used in maintaining the same.

- Koramandal Purchases , nursery , Farmers buy compost
- Under process and expecting to connect to MDA soon
- JUSCO is Managing City Compost
- Awareness and Regulation is helping the city to promote the On Site Composting

Journey Continues..... saurabh.ism16@gmail.com +91 8210 875783



