

SOLID WASTE MANAGEMENT



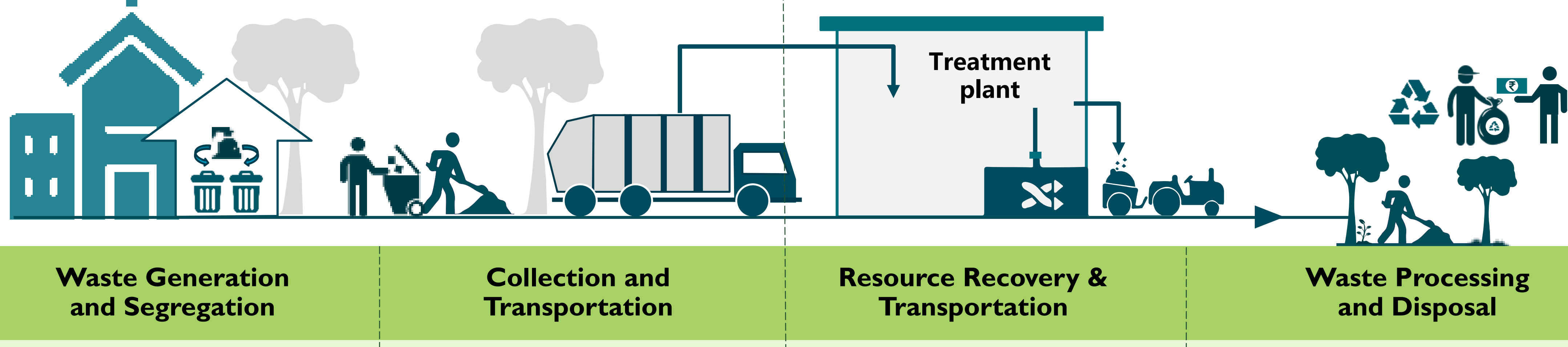
What is the importance of solid waste?

- To improve cleanliness and environmental protection
- To improve public health
- To improve Sustainable development and promotes recycling

Principles Of WASTE MANAGEMENT

- Refuse
- Reduce
- Reuse
- Recycle

Value Chain of Solid Waste



What strategies can be implemented to achieve effective solid waste management?

Low-cost solutions for Sustainable Solid Waste Management



- Place different coloured bins in households/commercial area.
- Tricycle waste collection can be used to collect waste from narrow lanes, promote source segregation.
- Engage with women of Self-Help Groups to segregate waste at source.

- Household composting plant and biogas plants system should be adopted.
- IEC activities can be carried out to aware community about waste segregation.
- Boro bags for collection of dry waste can be adopted at household level.

Composting Technology at household level



Vermi Composting Plant



- The vermicomposting site should have good drainage, two steamers should be constructed, and a roof should be provided for shade.
- The vermi composting method produces high-quality, dark brown vermicompost, like tea powder, with no bad smell, in 90 days.
- The compost reduces the tank volume by 30 to 50 percent.

Dry Waste Processing Plant – Material Recovery Facilities

- Collect all dry waste at the MRF for segregation and processing, where recyclables are sent to recyclers and non-recyclables are used as Refuse Derived Fuel (RDF), thereby helping to convert reusable product.

Plastic Waste Management

- Route and frequency of plastic waste collection by plastic recyclers at block level for clusters of villages.



Dos for Solid Waste Management

- Separate dry, wet, and hazardous waste at home.
- Always dispose of waste in the correct bins for collection.
- Use kitchen scraps and garden waste for composting to create natural fertilizer.
- Collect recyclable items like plastic, glass, and metal, and send them to recycling centers.
- Work together to keep your surroundings clean and manage waste effectively.

Don't for Solid Waste Management

- Do not throw waste on roads or in public spaces.
- Do not burn waste in open areas.
- Avoid mixing wet and dry waste; it makes recycling and composting harder.
- Never dispose of harmful items like batteries, chemicals, or medical waste in regular bins.