

## Waste Management

### What is the issue?

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- The Ghazipur landfill collapse has highlighted the poor status of waste management in Indian cities.

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- It demands a scientific approach to the problem, to keep check on any such tragedies in future and to capitalise through waste management.

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### How is waste management approached in India?

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- The reality is that except for few Indian cities, most of the cities only **'dump' waste and not 'manage'** them as such.

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- Solid Waste Management Rules, 2016 are hardly being followed by the cities.

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- National records reveal that out of the collected 80% of the generated waste, only a mere 28% is being processed.

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- Urban local governments leave the task of value extraction to the informal system of garbage collectors and recyclers.

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- These informal systems are inefficient in recovering resources in discarded materials as they are just dumped.

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- Moreover, the Swachh Bharat programme, intended to address all these, focuses too narrowly on individual action rather than a collective systematic approach.

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### Why is waste management so important?

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- The volumes of wastes generated are estimated to grow in the coming years.
- A mere shifting of collected waste from the cities is increasing the **pressure on the suburban areas**.
- Moreover the **stench** from the landfill is a serious cause of concern for the people living in the colonies adjacent to it.
- It is also being the cause for many deadly **diseases** like tuberculosis, typhoid, dengue, malaria and encephalitis.
- Further, the methane gas produced by bio-degradable waste causes **fire**, and people are forced to inhale the poisonous gases from the **smoke** emitted.
- Additionally the unregulated use of **plastics** is polluting the rivers, lakes and sea, and is being ingested by cattle feeding on dumped refuse.
- All these firmly increase the need for addressing the issues with waste management.

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### **What should be done?**

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- Tonnes of waste generated should necessarily be treated as a **potential resource**.
- **Segregating the waste** at the source into dry and wet is a prerequisite for adopting a scientific mode of waste disposal.
- The wet waste or organic refuse can be used for **composting** or production of **methane** for household use or power generation, and the dry waste can be sent for recycling.
- Furthermore, the municipal bodies should adopt an **integrated system** for transporting and very importantly scientifically **processing** the waste segregated at source.
- India should also make some **regulations** on the use of **plastics**.

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- Central Pollution Control Board should undertake periodic assessments of the preparedness of urban local bodies in this regard.  
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- Above all, managing waste also requires a behaviour modification among citizens and institutions.  
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**Source: The Hindu**

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