

## **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.
- Solid Waste Management Rules, 2016 are hardly being followed by the cities.
- National records reveal that out of the collected 80% of the generated waste, only a mere 28% is being processed.
- Urban local governments leave the task of value extraction to the informal system of garbage collectors and recyclers.
- These informal systems are inefficient in recovering resources in discarded materials as they are just dumped.
- 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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- $\bullet$  The volumes of wastes generated are estimated to grow in the coming years.  $\mbox{\ensuremath{\mbox{\sc vol}}}$
- A mere shifting of collected waste from the cities is increasing the **pressure** on the suburban areas.

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- 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.
- $\bullet$  All these firmly increase the need for addressing the issues with waste management.  $\ensuremath{^{\backslash n}}$

What should be done?

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 Tonnes of waste generated should necessarily be treated as a potential resource.

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- **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.

- Central Pollution Control Board should undertake periodic assessments of the preparedness of urban local bodies in this regard.
- $\bullet$  Above all, managing waste also requires a behaviour modification among citizens and institutions.  $\ensuremath{\backslash n}$

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**Source: The Hindu** 

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