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# PLASTIC OVERSHOOT DAY REPORT



## Why in News?



- The Earth witnessed **Plastic Overshoot Day** on **July 28, 2023**.
- **Plastic Overshoot Day** marks the point in the year **when the amount of plastic waste generated exceeds** the global waste **management capacity**.
- The Plastic Overshoot Day **Report by - Earth Action (EA)-- Swiss-based research consultancy**





## What are the **Major Findings of the Report?**



- **Plastic Overshoot Day** is determined based on a country's **Mismanaged Waste Index (MWI)**.
- **Mismanaged Waste Index** is the gap in waste management capacity and plastic consumption

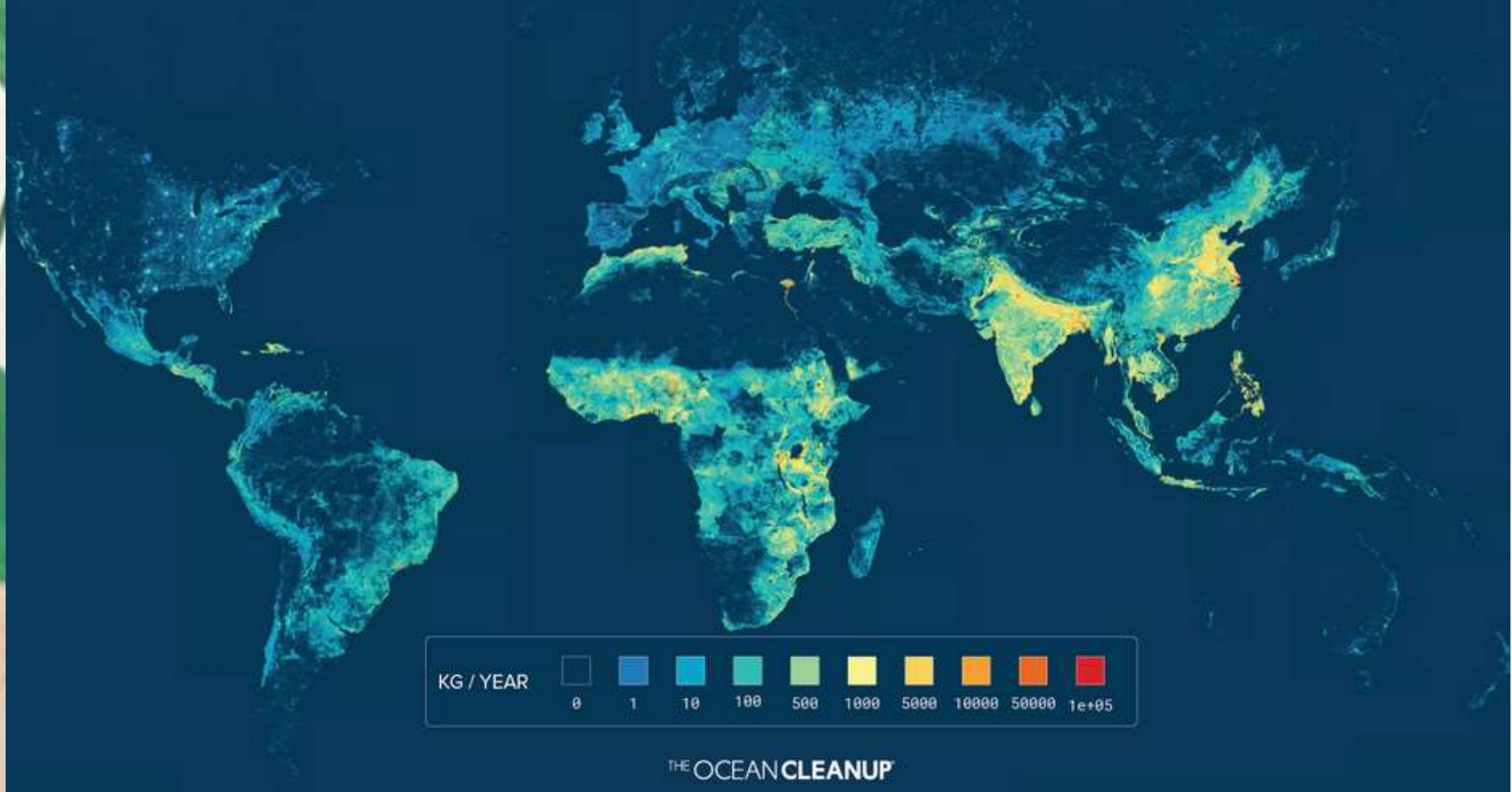


## Plastic Pollution Crisis:

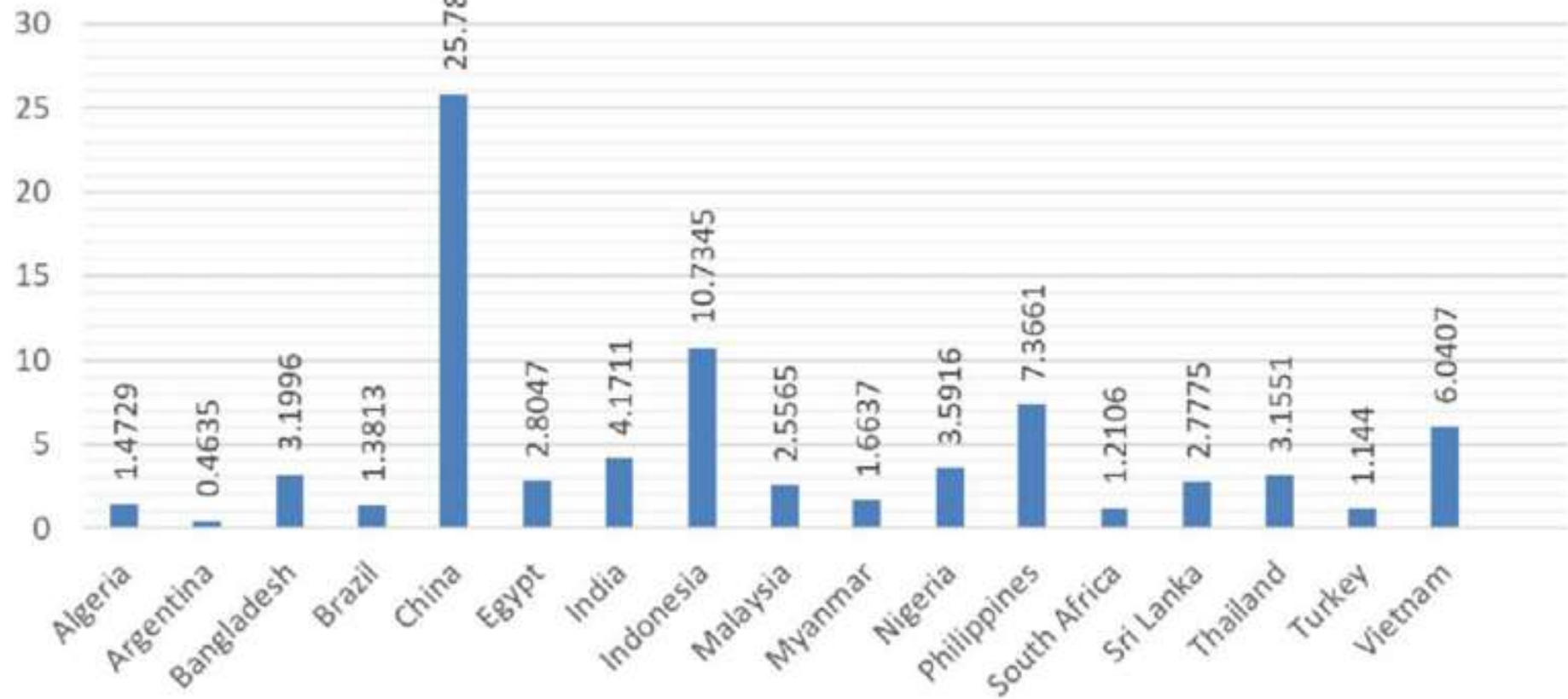
- The **report highlights** that an **additional 68Metric tonnes of plastic waste entered nature in 2023**, indicating a **severe plastic pollution crisis**.
- The report identifies **12 countries responsible for 52% of the world's mismanaged plastic waste**.
- **India is among them**, alongside **Brazil, China, Indonesia, Thailand, Russia, Mexico, the United States, Saudi Arabia, the Democratic Republic of Congo, Iran, and Kazakhstan**.



# WHERE MISMANAGED PLASTIC WASTE IS GENERATED



## Global mismanaged plastic waste by 2025







# **Impacts of mismanaged plastic waste**

# Marine Plastic Pollution

## Entanglement

## Ingestion



Threats  
to  
Wildlife



Expert  
opinion  
of most  
important  
problems



Drift nets, balloons, bags



Bottles, straws, utensils and bags

## Chemical Exposure

Ingestion also exposes animals to toxic, bioaccumulating persistent organic pollutants (POPs)



These chemicals travel up to humans as well





## India's Plastic Overshoot

- Plastic Overshoot Day for India occurred on **January 6, 2023**, when the country's plastic waste generation outweighed its waste management capacity.
- **India's per-person consumption is 5.3 kg, significantly lower than the global average of 20.9 kg.**



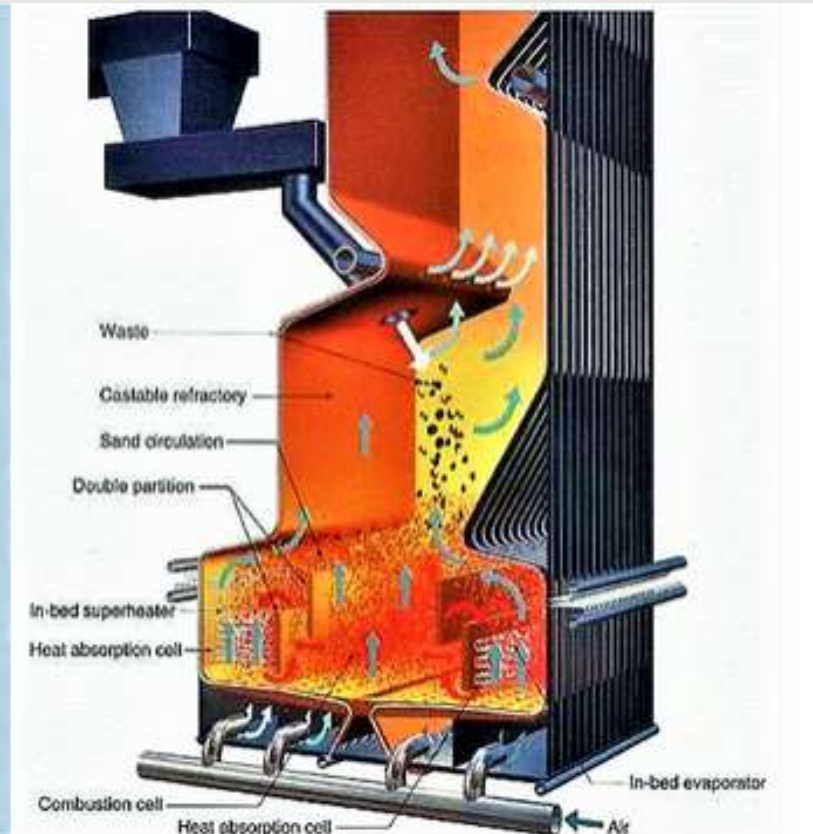
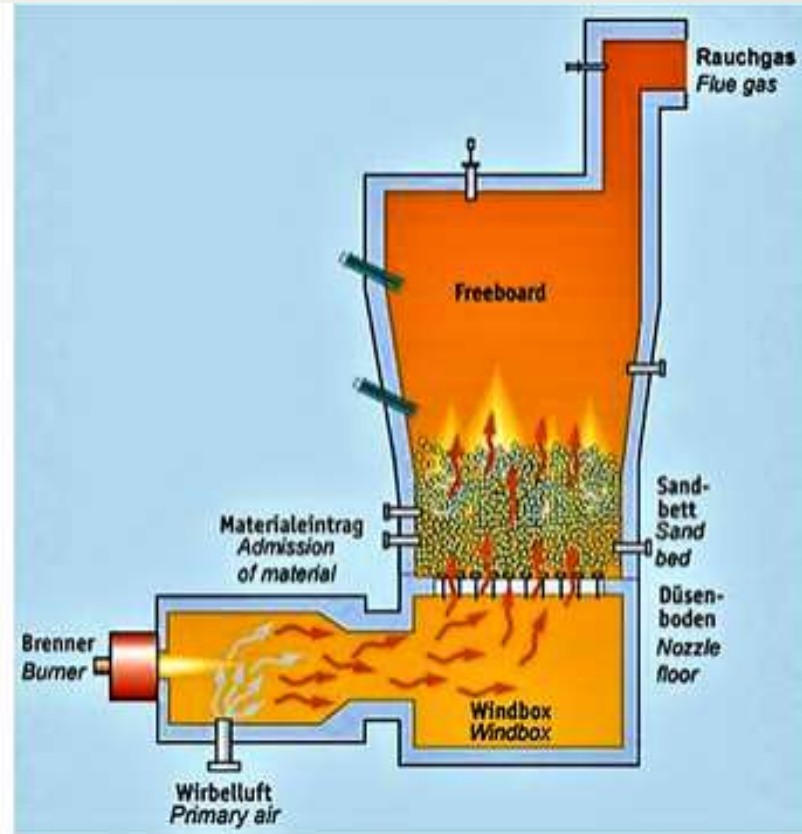
## Issues Associated with Plastic-Waste in India?

**Poor Waste Management Infrastructure:** One of the major problems is the **inadequate** waste management infrastructure in India.

- The **majority** of **municipal authorities** lack proper **facilities** for **segregation, collection, transportation** and recycling of plastic waste.
- As a result, a **significant portion of plastic waste ends up in landfills**, open dumpsites, or even littered in the environment, leading to severe pollution.



According to the Centre for Science and Environment's report, **India recycles 12.3% of its plastic waste and incinerates 20%.**





# Plastic Waste Management (Amendment) Rules, 2022

- **Extended Producer Responsibility (EPR) for plastic packaging.**
- **Plastic Waste Management Rules 2016 has been amended to fast-track the elimination of single-use plastics and promote alternatives.**

## Plastic items completely banned from July 1, 2022

Ear buds with plastic sticks, plastic sticks for balloons, plastic flags, polystyrene (thermocol) for decoration, plates, cups, glasses, cutlery such as forks, spoons, knives, straw, trays, wrapping or packing films, cigarette packets

## Plastic bags to be thicker

From September 30 this year, thickness of plastic carry bags has been increased from 50 microns to 75. From December 31, 2022, the thickness will increase to 120 microns



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