

Context



Projected Rise in India's Urban Population

34% → **60%**
2020 → 2050

Source: EMF



Annual Waste Generation

62 MT → **436 MT**
2016 → 2050

Source: CSE

IURC Launch Event in India – 24/02/2022 - TERI



India's Resource Extraction

1,580 tonnes/acre

251% higher than the world average

Source: ORF



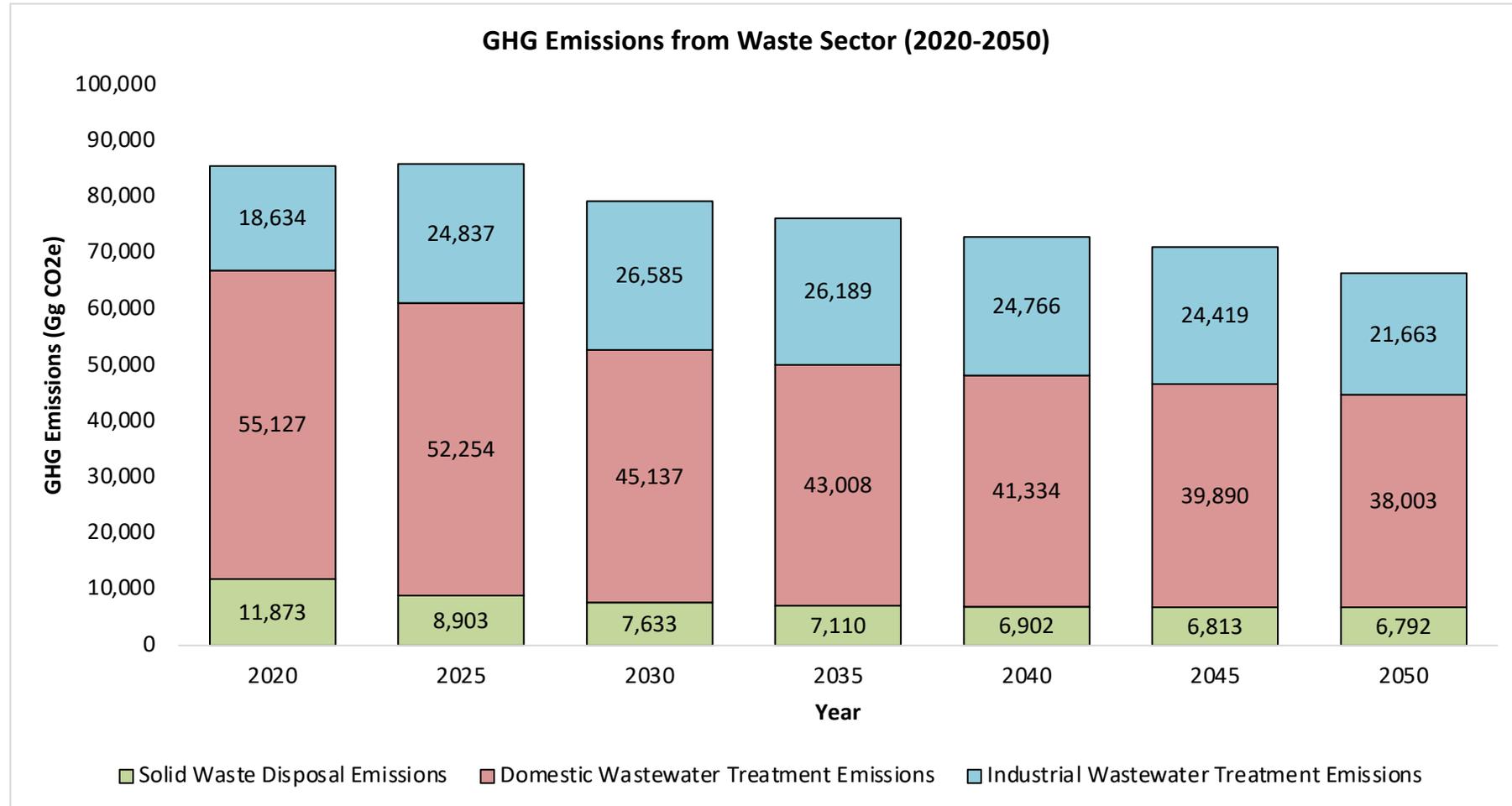
Percentage of Global GHG Emissions

9.2% of total world emissions

Third highest emitter

Source: ORF

GHG emission projections for waste sector in India

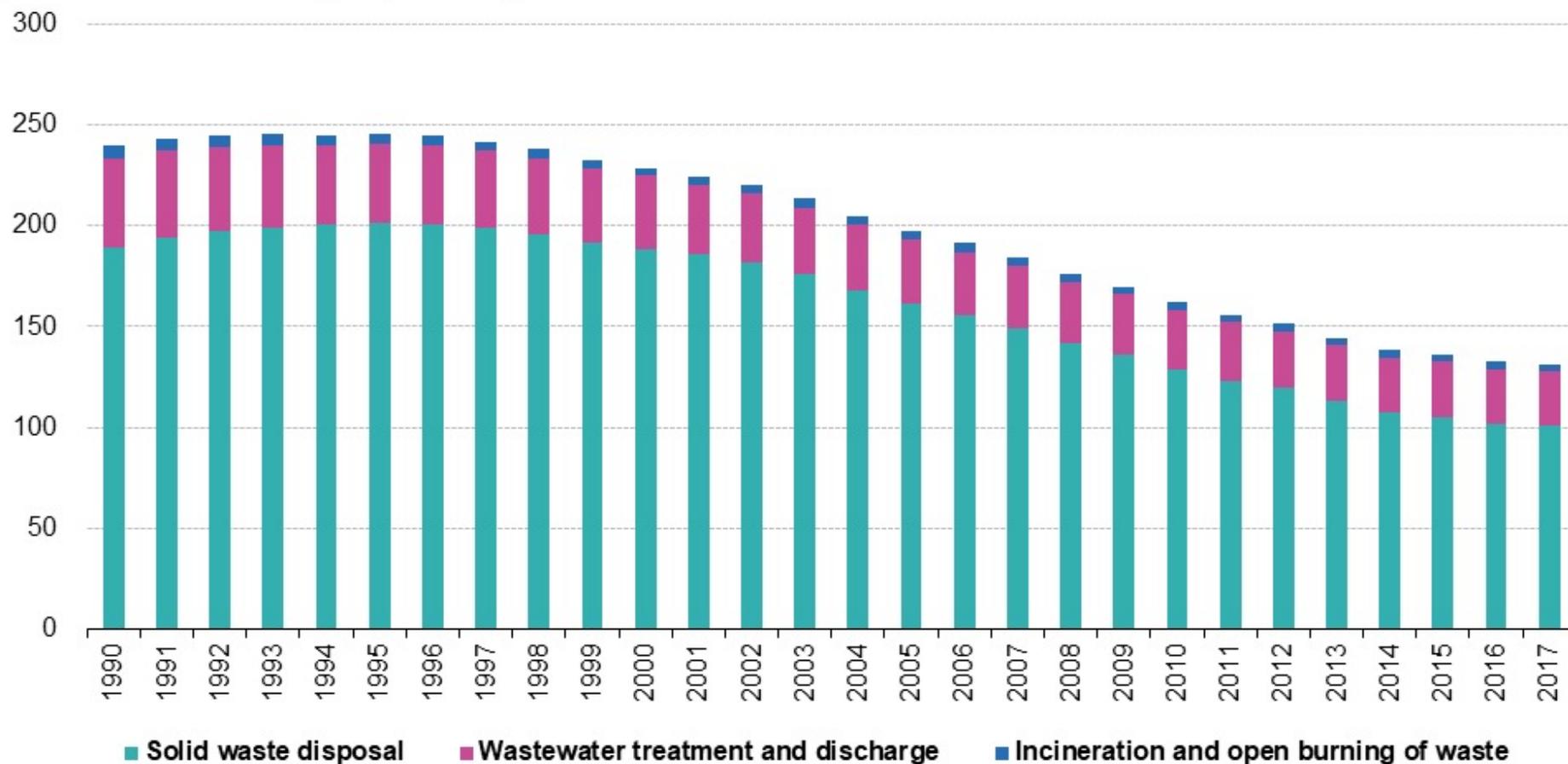


TERI estimates based on IPCC;
Reduction largely due to recent Government Initiatives

GHG emission projections for waste sector in the European Union

Greenhouse gas emissions of waste management, EU-28, 1990-2017

(million tonnes of CO₂ equivalent)



What has been done so far?



Regulatory frameworks and programmes by the Government of India, such as the **Swachh Bharat Mission**, the **Atal Mission for Rejuvenation and Urban Transformation (AMRUT)** and the **Smart Cities Mission**, have played an important role in driving the solid waste management agenda forward in India.

The **Swachh Bharat Mission (SBM) 2.0**, launched in September 2021, also outlines a clear strategy for solid waste management in cities. More focus is given to issues such as source segregation, collection & transportation, and processing, etc.

Key Priority Sectors in Indian Waste Management System



E-Waste
Management

Biodegradable
Waste
Management

Plastic Waste
Management

Sanitary Waste
Management

C&D Waste
Management

Leverage Points in Municipal Waste Management System in India



Integrating elements of resource efficiency and circular economy in SLBs

Technological innovation and collaboration

Public awareness and community engagement

Integration of informal sector for improved waste segregation and recycling

Economic Instruments (tax incentives and benefits)

Policy research and adaptation of best practices (recycling, nutrient recovery)

Nature based solutions for peri-urban areas and unserved population

Building financial sustainability



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