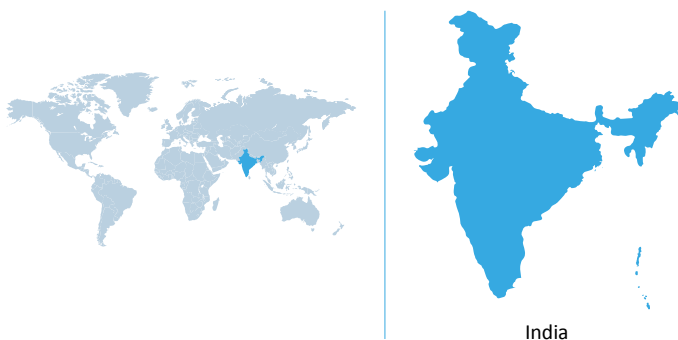




# Management of Organic Waste in India



## Background

India generates 62 million tonnes of municipal solid waste each year, of which 75% of this volume is collected. Only 20% of the collected waste is treated, about 80% is dumped in landfills.<sup>1</sup> Inadequate waste management practices lead to public health risks, environmental degradation, and economic losses.<sup>2</sup> There is an urgent need to adopt sustainable waste management methods.

The "Swachh Bharat Mission Urban" (Clean India Mission) launched in 2014 by the Indian Ministry of Housing and Urban Affairs (MoHUA), provided a framework to tackle two of the country's key urban challenges: the management of municipal solid waste, and sewage. The objective of the second phase of the Clean India Mission 2.0 is to create waste-free cities with targeted waste treatment in all 4041 urban facilities across the country.

In the previous project on behalf of the BMUV EXI (2021 to 2023), in collaboration with the Indian Ministry of Housing and Urban Affairs, the University of Rostock and the Indian organisation Saahas Zero Waste, state strategies and city action plans were developed for organic waste management in the cities of Kanpur, Kochi and Port Blair and the states of Uttar Pradesh, Kerala and the Andaman and Nicobar Islands.

## Aim of the cooperation



The objective of the project module is to establish integrated methods for a sustainable management of organic waste in selected cities and states.

The module is set up to make a direct contribution to the UN Sustainable Development Goal of making cities and human settlements inclusive, safe, resilient, and sustainable (SDG 11, target 11.6).

## What we do

As a partner of the Export Initiative Environmental Protection, GIZ is implementing the global project "Environmental Protection Worldwide" on behalf of BMUV.

<sup>1</sup> Central Pollution Control Board (CPCB) (2017-18). Annual report. Ministry of Environment, Forest, and Climate Change. Government of India  
<sup>2</sup> Ministry of Urban Development (2016). Municipal Solid Waste Management Manual. Government of India

**Exchange of knowledge and capacities in research and partner institutions:** We enable the exchange of knowledge between institutes and companies in India and Germany for the effective management of organic waste, including topics such as biogas plants, bio-CNG, digestate utilization, as well as by-products and their utilization.

**Available communities of practices on the GreenTech Knowledge Hub:**

Register here:

<https://greentechknowledgehub.de/>



**Organic waste**

**Policy advice:** At the national level, we provide policy advice to our partner, the Ministry of Housing and Urban Affairs (MoHUA), for the implementation of sustainable bio-waste management. We conduct training and capacity-building activities. Additionally, we develop awareness campaigns for bio-waste management at the city and state levels, along with standard operating procedures.

**Integration of city and state action plans:** We support our partners to integrate the developed measures and recommendations from the city action plans and state strategies into their city and state policies on organic waste management.

**Pilot measures:** Following a detailed examination, we support our partners to design, develop and implement improved systems, at state and city level, for managing organic waste.

**Expected results**

- We enable the transfer and exchange of technical expertise on proven standards in the field of biogas and composting. Through dedicated collaboration, both Germany and India will benefit from insights and innovations in organic waste management, making a significant contribution to sustainability and environmental protection.
- In close cooperation with the political partner in India, we develop capacities in the sustainable management of organic-waste at both the state and city levels.
- We contribute to the implementation of measures for sustainable management of organic waste by decision-makers.

**Project and Cooperation Partners**

- Indian Ministry of Housing and Urban Affairs
- Partner cities: Kochi, Kanpur & Port Blair
- Partner states: Kerala, Uttar Pradesh and Nicobar and Andaman Islands
- Regional Centre for Urban and Environmental Studies
- Kerala Institute of Local Administration



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