



3rd Smart Cities India 2017 Expo

*Smarter Solutions for a
Better Tomorrow*

10 - 12 MAY 2017
Pragati Maidan, New Delhi

Solid Waste Management in Cities

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Team Leader



Question

Which city in the world operated the first anaerobic digester?



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India is credited for having built the first-ever anaerobic digester, in 1897, when the Matunga Leper Asylum in Bombay (Mumbai) utilized human waste to generate gas to meet its lighting needs (Khanal 2008) .



Project Information

Objective

Contribute to India's sustainable and inclusive development goals by increasing the use of green energy sources, energy efficiency and clean technologies, based on the local experience of both India and the EU

Consortium



IVL, Sweden



Shriram Institute for Industrial Research, India



DTI, Denmark



DTI, Denmark



SRI, India



Background Information

| | |
|-----------------------|--|
| <u>Topics:</u> | Solid waste management & sewage treatment |
| <u>Focus:</u> | <u>Capacity building</u> |
| <u>Cities:</u> | New Delhi & Mumbai |
| <u>Duration:</u> | October 2014-September 2018 |
| <u>Beneficiaries:</u> | MOEF&CC, MOUD, Jal Board, Municipal Corporations, CPCB, MPCB, Non-Governmental Organisations, private entities, etc. |



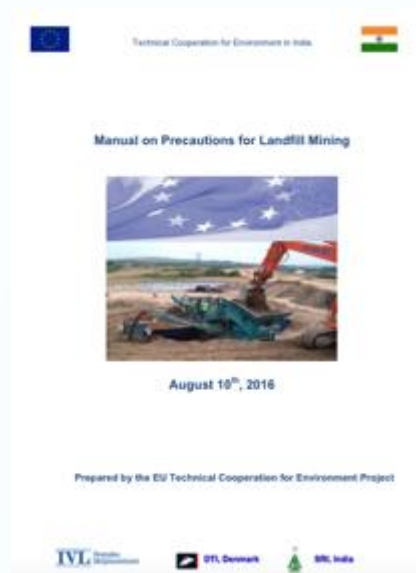
Key Activities

- Study tours in Sweden, Denmark and Germany in 2016 & 2017
- Consultation workshops on solid waste management and sewage treatment in Mumbai
- 2 e-learning modules
- Publications, meetings, etc
- Technical/policy reports
- Community awareness program



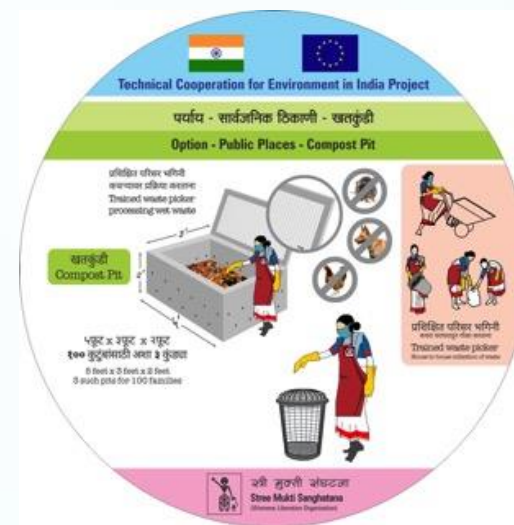


Technical & Policy Analysis





Stree Mukti Sanghatana Cooperation



- Development of mobile awareness program
- Creation of posters, brochures
- Delivery to schools, communities, waste pickers
- 1st delivery in February 2017
- Utilisation of posters for Swachh Bharat





Key Messages

- Initiatives are useful at local, regional, and national levels
- A combination of policies and technologies are needed to address the challenges
- Incentives are essential components of effective waste management



www.euprojectinindia.com

**European Union
Technical Cooperation for
Environment in India**

ABOUT

The aim of the project, which was launched in October 2014, is to contribute towards India's sustainable and inclusive development based on the experience of India and the European Union through capacity building and skill development.

The Program Advisory Committee co-chaired by the Joint Secretary, Ministry of Environment, Forests and Climate Change and the Joint Secretary, Ministry of New and Renewable Energy, Government of India has endorsed the two thematic areas of the project viz. (i) Sewage Treatment and (ii) Solid Waste Management.

The thematic areas are closely associated with the National Action Plan on Climate Change and the Swachh Bharat Mission. The pilot cities for the implementation of the project are New Delhi and Mumbai.

During the lifecycle of the project, a number of activities will be realized in accordance to 10 work packages, including stakeholder mapping/meetings, policy analysis and research, site tours, consultation workshops, training, e-learning modules and many others. We believe that through this project we can effectively contribute to the Indian Government's objectives.

| Project Focus | Topics | Cities | Duration |
|-------------------|--------------------------------------|--------------------|-----------|
| Capacity Building | Solid Waste & Waste Water Management | New Delhi & Mumbai | 2014-2018 |