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Ministry of Urban Development  
Government of India



Confederation of Indian Industry

# Waste & Recycling EXP

2-4 February 2017 | Pragati Maidan, New Delhi



## Market Overview

### Solid Waste

With the ever increasing population and urbanization, the waste management has emerged as a huge challenge in the country. About 62 million tonnes of waste is generated annually in the country, of which 5.6 million tonnes is plastic waste, 0.17 million tonnes is biomedical waste, hazardous waste generation is 7.90 million tonnes per annum and 15 lakh tonne is e-waste. The per capita waste generation in Indian cities ranges from 200 grams to 600 grams per day. According to the environment ministry data, about 43 million TPA is collected, 11.9 million is treated and 31 million is dumped in landfill sites, which means that only about 75-80 per cent of the municipal waste gets collected and only 22-28 per cent of this waste is processed and treated. To make it worse, waste generation is projected to increase from 62 million tonnes to about 165 million tonnes in 2030.

### Industrial waste

The quantum of industrial waste generation is also on a higher side. More than 8 million tons per annum is India's present hazardous waste generation. Maharashtra (22.84%), Gujarat (22.68%) and Telangana and Andhra Pradesh put together (13.75%) are leading states in the country in hazardous waste generation, followed by Rajasthan, Tamil Nadu, Madhya Pradesh and Chhattisgarh. Just these seven states, contribute to nearly 82% of the hazardous waste generated in the country.

However, it has been estimated that there is a good potential for power generation (about 225 MW from all sewage and about 1500 MW from Municipal Solid Waste), of about 1700 MW. Indian Renewable Energy Development Agency (IREDA) estimates indicate that India has so far realized only about 2% of its waste-to-energy potential. As per MoUD, Govt. of India has set a target of generating 700 MW energy from waste by 2019 (Feb 2016 notification)

### e-waste

Recently there are increased concerns on E-waste. The current e-waste generation pattern is 1.7 million tonnes / annum, with an alarming growth rate of 15% each year. The major concern in terms of management of e-waste is, more than 90% of the available e-waste continued to be recycled in the informal sector, in the by-lanes of cities and towns. However, if recycled scientifically, 95-98% of the materials can be recovered and put back in the process of material flow.

## Growth Drives

Waste Management Market is expected to be worth around US \$ 13.62 billion by 2025. Indian Municipal Waste management market is expected to grow at a CAGR of 7.14% by 2025 while the e-waste management market is expected to grow at a CAGR of 10.03%.

### Swachh Bharat Mission or Clean India Mission

This mission underlines the urgent need of improving waste management scenario in India where public apathy towards proper waste disposal is a major hindrance. This may lead to more opportunities for existing and new players in this market as Indian Government is also looking at public private partnership (PPP) model to tackle waste problem.

### Smart Cities Mission

The Smart Cities Mission is an innovative and new initiative by the Government of India to drive economic growth and improve the quality of life of people by enabling local development and harnessing technology as a means to create smart outcomes for citizens. The Mission will cover 100 cities and its duration will be five years (FY2015-16 to FY2019-20).

### Waste to Energy

The Government of India is promoting all the Technology Options available for setting up projects for recovery of energy from urban wastes.

### Industrial Waste Management

To facilitate e-waste management in the country, the government is implementing a scheme under which financial assistance is provided for awareness and capacity building activities relating to e-waste management. The electronics recycling business is becoming increasingly important as volumes of e-waste continue to grow, setting the stage for the growth of that industry.

## FOCUS SEGMENTS

Municipal Waste

Industrial Waste

Construction & Demolition Waste

Bio Medial Waste

Organic Waste

E-waste

Refuse Derive Waste (RDF)

Reduce, Recovery & Reuse of waste





WASTE & RECYCLING EXPO 2017 offers an opportunity to display your products and services to decision makers under one roof. In addition to your exceptional display of innovative products, Waste & Recycling Expo 2017 will host a variety of networking opportunities.



## EXHIBITOR PROFILE

- Solid Waste Management and Recycling
  - ◊ Collection ◊ Treatment ◊ Storage
  - ◊ Transportation and Disposal of Municipal, Industrial, Hazardous Waste ◊ Composting
  - ◊ Incineration / Combustion ◊ Bio Medical Waste
- Waste Recycling
- Waste to Energy
- Plastic to Fuel
- Bio-Methanation
- Fly Ash and Slurry Recycling and Management
- Landfill Management
- E Waste Management
- Waste Consultancy
- Cleaning Technologies and Conservancy
  - ◊ Assets and Facility Management ◊ Brushes, Mops and Scrubbers ◊ Conservancy, Public Hygiene & Sanitation ◊ Cleaning Equipment
  - ◊ Road Sweepers ◊ Clean Air Monitoring
  - ◊ Pest Control & Pesticides Service ◊ Clean Room Technologies ◊ Wash room and Hygiene Products ◊ Air Cooling Systems / Technologies ◊ Detergents, Soaps & Chemicals ◊ Ozonizers

## VISITOR PROFILE

- Mayors
- Municipal Commissioners and City Managers
- Pollution Control Boards
- Private Segments / Industry Players
- Industry Professionals / Consultants
- Consultants to Municipal Corporations
- Public Works Department
- Public Health Engineering Department
- Public Utility Providers
- Providers of Municipal and Urban Services
- Municipal & Government Contractors and Suppliers
- Town Planners, Architects, Engineers
- Construction & Infrastructure Developers



## Confederation of Indian Industry

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, playing a proactive role in India's development process. Founded in 1895, India's premier business association has over 8000 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 200,000 enterprises from around 240 national and regional sectoral industry bodies.

CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, healthcare, education, livelihood, diversity management, skill development, empowerment of women, and water, to name a few.

The CII theme for 2016-17, Building National Competitiveness, emphasizes Industry's role in partnering Government to accelerate competitiveness across sectors, with sustained global competitiveness as the goal. The focus is on six key enablers: Human Development; Corporate Integrity and Good Citizenship; Ease of Doing Business; Innovation and Technical Capability; Sustainability; and Integration with the World.

With 66 offices, including 9 Centres of Excellence, in India, and 9 overseas offices in Australia, Bahrain, China, Egypt, France, Germany, Singapore, UK, and USA, as well as institutional partnerships with 320 counterpart organizations in 106 countries, CII serves as a reference point for Indian industry and the international business community.

### FOR SPACE BOOKINGS, KINDLY CONTACT

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