



सत्यमेव जयते  
Government of Gujarat  
Forests and Environment Department



सत्यमेव जयते  
Government of India  
Ministry of Environment, Forests & Climate Change

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**GUJARAT 2017** 10-13 Jan  
Connecting India to the World | 8<sup>th</sup> Global Summit



# WASTECH

INTERNATIONAL SUMMIT & EXPO

'4 R - The Way to Sustainability'

2 - 4 December 2016 • Mahatma Mandir, Gandhinagar



Supported by



Central Pollution Control Board

Organizers



Gujarat Pollution Control Board  
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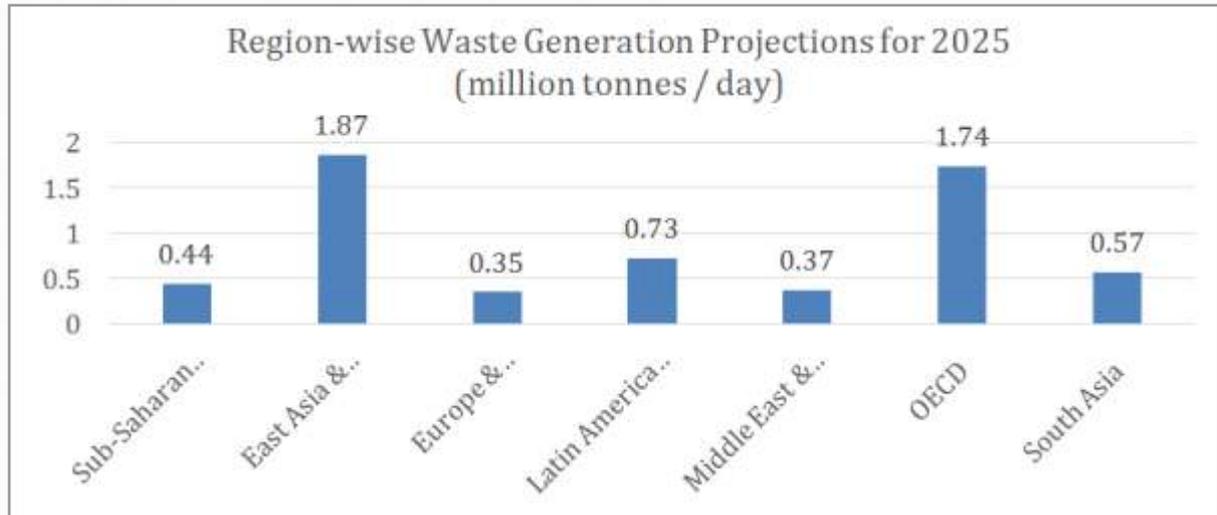


Exhibition Partner



# Overview

Effects of rapid urbanization and uncontrolled growth rate of the population has led to a manifold increase in municipal solid waste (MSW) generation. Global MSW generation levels are expected to increase to approximately 2.2 billion tonnes per year by 2025 amounting to a significant increase in per capita waste generation rate of 1.42 kg per person per day.



Source: World Bank – Urban Development Series – Knowledge Paper

Around 62 million tons of solid waste per year is generated in India out of which only 75-80 percent is collected and 22-28 percent is processed and treated. It is estimated that the total urban MSW generated in India in 2041 would be 230 million tons per year<sup>3</sup>.

Hazardous waste generation in India is 7.9 million tons per year<sup>2</sup>. Around 80 percent of the hazardous waste is estimated to be generated in the states of Andhra Pradesh, Gujarat, Karnataka, Maharashtra and Tamil Nadu due to high concentration of the industries in these states.



Also, more than 38 billion litres of sewage is generated in urban India annually out of which only 30 percent of sewage is treated. Most of the untreated sewage is discharged into rivers, ponds or lakes, which is the main source of municipal water.

The global Waste-to-Energy (WtE) market is expected to reach USD 37.64 billion by 2020, according to a new study. The decrease in the landfill areas along with a shift in trend towards energy security around the world is expected to drive the global WtE market. Realizing the importance of WtE as a renewable technology, the Government of India has also lent its support through various subsidies and incentives. The Ministry of New and Renewable Energy (MNRE) is actively promoting all the technology options available for energy recovery from urban and industrial wastes.

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## A 'Zero Waste' event

In compliance to the Hon'ble Prime Minister's 'Swachh Bharat' campaign, Wastech 2016 will be a 'Zero Waste' event. Different forms of waste generated during the event will be collected and recycled.

## 2-day International Summit : 3 - 4 December 2016

- Technical presentations from world renowned subject matter experts
- Networking opportunities and setting up B2B / B2G meetings through networking platform.
- Opportunities to impart knowledge and technological advancements in MSW & sewage treatment

### Focus areas

- Green Buildings – An imperative for the future
- Corporate Sustainability & Global Environmental Reporting
- Reduce, recover, reuse and recycle of wastewater
- Clean technologies, Cleaner production & Resource optimization for sustainability
- MSW Management – Current approaches and future possibilities
- Sewage treatment – An opportunity beckons
- Co-processing of waste – Challenges & Opportunities
- Environmental Compliances - Monitoring & Governance
- Financing of environmental projects
- Environmental governance through e-Governance
- Management of Chemicals
- Inventorisation and Management of Chemical Waste
- Dutch Waste Management Technology

### Participants & Visitors

A broad coalition of government agencies, industries, academia, waste service companies, energy generation, engineering, consultants, vendors/suppliers, researchers, leading trade organizations and scientific foundations are invited to participate and benefit from this Summit.

## 3-day International Expo : 2 - 4 December 2016

- 8000 sq.mtrs. of the Exhibition Space
- 125 plus companies, both international and national, showing their world class products, technologies and techniques
- 10,000 visitors expected over the three days
- Exhibitors from countries like Netherlands, Canada, Israel, South Korea, etc.

### Exhibitor profile

Pollution Control Equipment Manufacturers, Water and Wastewater Management, Water Treatment, Recycling of Wastes, Environmental Professionals, Industries, Industry Associations, Academia, Research and Development, Environmental Consultants.

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# Highlights: Wastech International Summit & Expo – 2014

The Summit was a resounding success with participation of around 19 International and 56 National speakers over the two days. The summit witnessed a wide participation of around 2300 delegates including policy makers, government officials, academic and R&D experts, technocrats, waste management and environmental professionals.

The 3-day International exhibition was also organized along with the Summit. Spread over 7000 sq. mtrs., around 102 companies, including 20 International companies, showcased their world class products, technologies and techniques at the Expo with a participation of around 5000 delegates over the three days.

The first edition was a Zero Waste event. Approximately, 1300 kgs dry waste and 800 kgs food waste generated during the event was collected and subsequently recycled.



## Summit Declaration

### My commitment to Swachh Bharat:

“By leveraging advance technology, innovation and enablers (TIE) of Waste Management. Let us all protect the environment and March together towards clean India”.

### Key takeaways from the Summit:

- Waste management sector – A huge business opportunity
- Aim to minimize the positive correlation between the growth in the GDP of a country and the waste
- Retrofitting of older industrial estates to make them according to modern standards
- Local manufacturing of renewable equipment
- A compendium to be formed about the best practices that could be adopted from across the globe
- Incentivize growth of sustainable technologies in Gujarat
- Informal sector to be involved while formulating the policies on waste management
- Set targets for reduction in the usage of energy, water and remediation of land
- Need to develop an Environment Index for Gujarat to track the development and progress every year
- Need of a Corporate Sustainability Act for Gujarat

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# Highlights: Wastech International Summit & Expo – 2014



## Partner Organisations



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Indian Chemical Council



IGRC



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Sustainable Development



NSWAI



NATIONAL PRODUCTIVITY COUNCIL



Umwelt  
Bundesamt

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