



Waste to Energy Research and Technology Council (WTERT), India

3rd International Brainstorming Workshop on “Sustainable Municipal Solid Waste Management in India”

Venue: Hyderabad; Date: 29 – 30th January 2015

It's a fact!

Combustible Waste Volume
worldwide, figures

2020: 320m tons

2010: 250m tons

1995: 200m tons

CO₂ Waste Emissions
worldwide, figures

1995: 65m tons

2010: 75m tons

2020: 90m tons



Background

Earth Engineering Center (EEC) of Columbia University co-founded with the United States Energy Recovery Council (ERC) established in the year 2002, the Waste-to-Energy Research and Technology Council (WTERT), which is by now the foremost research organization on the recovery of energy and metals from solid wastes in the U.S. and globally. In recent years, sister organizations to the WTERT in the U.S. have been created in fourteen other countries, which together form the **Global WTERT Council (GWC)**.

WTERT-India was founded by a Memorandum of Understanding between **CSIR-National Environmental Engineering Research Institute (NEERI)** working under the umbrella of **Council of Scientific and Industrial Research (CSIR)**. The guiding principle of all WTERT-India activities will be that responsible management of wastes must be based on science and best available technology and not what seems to be inexpensive now but can be very costly in the future.

The mission of **Global WTERT Council (GWC)**, of which WTERT-India is a part, is to identify the best available technologies for the treatment of various waste materials, conduct additional academic research as required, and disseminate this information by means of publications, the WTERT's web pages, and periodic meetings. In particular, WTERT-India will focus on assisting industry and government agencies in implementing technologies that reduce the public health impacts of improper solid waste management in India and increase the recovery of materials and energy from used solids, by means of recycling, Bio gas recovery, waste-to-energy, and, sanitary landfilling with landfill gas utilization.

WTERT-India had organized two international brainstorming workshops on "Waste to Energy in India" and "Short and Long-Term Solutions for Municipal Solid Waste Management in India" in 2011 and 2012 in Mumbai and New Delhi, respectively. Now, 3rd International Brainstorming Workshop on "**Sustainable Municipal Solid Waste Management in India**" is planned between January 29-30, 2015 at Hyderabad.

This workshop will be in line with the spirit of **Swachh Bharat or Swachh Bharat Abhiyan** (Campaign Clean India) and will be organized by WTERT-India.

The main objective of the workshop is to discuss the current challenges and opportunities to maintain sustainability in municipal solid waste management (MSWM) in India. It would also focus on the technologies for waste treatment based on their impacts on environment and economics. Finally, the workshop will provide options for overall management of municipal solid waste in various categories of cities and towns through case studies. Sustainability of a waste management system requires Economic, Environmental and Social aspects. Scientifically available control measures to overcome the challenges towards MSWM in future will be debated in this workshop which will finally lead to sustainable framework development for a **SWACHHA Bharat**.

Themes to be discussed

- A review of the present status of solid waste management in India
- The frame work of public private partnership in waste management Public participation at various stages in waste management system
- Cost effective and environment friendly processing and disposal technologies
- Decentralised treatment options
- Impacts of different technologies on the environment
- Policy measures on technological options

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