

Surat Municipal Corporation (SMC) and Waste to Energy Research & Technology Council (WTERT- India) has organised the 4th International conference on *“Sustainable Municipal Solid Waste Processing Technology for Developing Nations”* at Science Centre, Surat on 18th to 19th February 2016.

The inaugural session began with welcoming all the participants by **Prof. A. D. Sawant** & he also thanked all the sponsors who made this event possible. Then, **Shri. Milind Torawane**, IAS, Municipal Commissioner of SMC gave welcome address for this conference. He highlighted the need of this event for selecting appropriate technology & need of proper data for selecting such technology. Mayor **Ms. Asmita Shiroya**, Deputy Mayor **Shankar Bhai Chevli**, **C. R. Patil**, Member of Parliament, Standing Committee Chairman, Professor Ashok Pandey, NIIST, Thiruvananthpuram & Members of WTERT - India were part of the inaugural session. They all spoke about Swachh Bharat Abhiyan & Make in India Movement for Municipal Solid Waste Management with emphasis on Waste to Energy Technology. This conference covered various sessions like selection of Appropriate Technologies, Economics, Innovation in Technologies for MSW for Day 1 & regulatory affairs and R & D issues for next day.

The first session began with key note speech by **Dr. Efstratios Kalogirou**, Vice Chair, Global WTERT Council, Greece. He discussed about the challenges for Development of WTE: Option for Developing Nations. He highlighted various means & technologies of advanced countries for managing waste, especially solid waste that range from reducing waste by designing products & packaging to recycling of usable materials, composting of green waste, combustion with energy recovery, called as Waste to Energy (WTE). He also focused on the requirements & obstacles for great potential of WTE in developing nations.

Secondly, **Er. D.B.S.S.R Sastry**, Vice President, Ramky Enviro Engineers Pvt. Ltd. explained regarding current challenges towards tendering process of Municipal Solid Waste. Different case studies in tendering process for various cities like Ahmedabad, Kochi, Kerala, New Delhi were also covered in the discussion.

Then, Mr. **S.D. Langote**, Senior Manager, Asian Development Bank explained the challenges and solutions to Solid Waste Management in Urban Areas. He discussed on support of Asian Development Bank (ADB's) to Ministry of Urban Development (MoUD's) Flagship programme. He focussed on some flagship programmes, such as Swachh Bharat Mission, Atal Mission for Rejuvenation & Urban transformation for 500 cities, Smart city

mission for 100 cities. He also highlighted the outcome which included the improved capacity of government to achieve scientific MSWM in India.

Prof. Jonathan W. C. Wong, Professor, Hong Kong, Baptist University discussed regarding Decentralised Composting Practices for Putrescible Waste Recycling. His discussion included importance of decentralised composting often refer as onsite composting, advantages such as eliminating the need to transport the waste & organised collection services, low capital cost, community level composting, management models for decentralised composting. He also highlighted the common causes of poor composting like lack of appropriate starter inoculums, odour emission, high lipid contents etc. in the decentralised composting system. He concluded with the strategies developed for successful decentralised composting to reduce odour emission, nitrogen loss etc.



Photo 1. Dr. Efstratios Kalogirou, Dr. Sunil Kumar, Dr. Rao Surampali



Photo 2. Dr. Efstratios Kalogirou, Mr. Rao Sreenivasa

