



Global Summit on
**Smart, Secure &
Sustainable Cities**
OPPORTUNITIES AND CHALLENGES IN INDIA

17th - 20th July, 2016
Harte & Garter, Windsor,
Royal Berkshire, UK

Overview of Indian Municipal Solid Waste Management

The changes in the pattern of life, increasing industrialization and urbanization, which accompany the process of economic growth, have given rise to generation of increasing quantities of waste which pose threats to the environment and human health. However, India's per capita waste generation is significantly lowered compared to that of developed world. In recent years, technologies are being developed and demonstrated globally that not only help in reducing the amount of waste, but also could generate substantial quantity of decentralized energy.

One of the most neglected areas of urban development in India is management of Municipal Solid Waste. Urban population in India is increasing rapidly and the civic bodies are facing substantial problems in providing adequate services such as supply of electricity, water, roads, education and public sanitation, including Municipal Solid Waste Management.

Today an overview of the India's solid waste generation gives a very scary picture. Estimated 100,000 tons per day, which is higher than many countries total daily waste generation and with a yearly increase of about 5%. Urban local bodies spend about Rs.500 to Rs.1500 per ton on solid waste collection, transportation, treatment and disposal.

Some of the major challenges in Solid Waste Management sector are

- Issues in Household Storage and Segregation of Waste
- No system of primary collection
- Irregular Street Sweeping
- Poor Secondary Storage of Waste
- Issues in waste transportation
- Lack of Waste Treatment
- Inappropriate Disposal of Waste on Open Dumping Grounds

The Indian government has taken up a number of initiatives to expand the waste management infrastructure which also includes a national level initiative Smart Cities under which 100 cities will be provided with significant funding to improve civic services infrastructure. As a result of these initiatives, many Indian cities have taken steps towards implementing good solid waste management practices.

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There are fiscal incentives offered by the government like companies that handle waste management can get 100% tax deductions on gains and profits, electricity taxes and excise duty with exemptions and concessions etc. which makes this sector lucrative for international investors. This gives plenty of opportunities for foreign companies and investors to bring in the latest technologies into the country to address the increasing need for solid waste and waste management.