

JITF ECOPOLIS

Project solves Delhi's problems

India has explored only 10 percent of its potential to generate power from municipal solid waste. The average per capita waste generation in Indian cities ranged between 0.2 kg and 0.6 kg, while the overall municipal waste generation in India is about 48 million tons and anticipated to grow at a compound annual growth rate (CAGR) of 5 percent over the next two years.

That is why the Timarpur-Okhla Municipal Solid Waste Management Project, India's first commercial Waste-to-Energy plant to generate 20MW of power by using 1,950 tonnes (more than 200 truck loads) of Municipal Solid Waste, is significant.

Set up with an investment of 200 crore, the Jindal ITF (JITF)-owned plant will use about a third of the daily Municipal Solid Waste (MSW) of Delhi, which stands at anything between 6,000 and 8,000 tonne per day, thus helping resolve two critical issues faced by New Delhi—municipal waste disposal and power shortage.

New Delhi Municipal Corporation (NDMC) and Municipal Corporation of Delhi (MCD) will provide the waste free of cost. This initiative aims to bring electricity to more than 600,000 homes. The project is registered with UNFCCC for earning carbon credits. JITF will design, finance, construct, operate, and manage the Timarpur-Okhla Municipal Solid Waste Project on a Build, Own, Operate, and Transfer (BOOT) concession framework.

Excellence Award: JITF Ecopolis (a part of OP Jindal Group's JITF) received the Frost & Sullivan - Waste to Energy Deal of the Year Award in the Indian Municipal Waste to Energy Market for the year 2010. JITF Ecopolis was identified as an upcoming player in the fledgling municipal waste to energy market. The Frost & Sullivan Environment Excellence Awards are given in recognition of the inspiring and exemplary achievements by companies operating in the environment industry.



Allard Nooy, CEO, JITF Water Infrastructure and JITF Urban Infrastructure, receiving the Frost & Sullivan Award.

Speaking on the occasion, Allard M Nooy, CEO, JITF Ecopolis and JITF Aquasource, said, "The award validates our mission to design, build and operate safe, reliable, sustainable and environmentally superior solutions. It also reinforces our commitment to offer sound solutions which help address some of today's most pressing challenges – diversifying the energy supply, protecting the environment and addressing climate change."

The environmental benefits of Waste to Energy, as an alternative to disposing of waste in landfills, are clear and compelling: this advanced technology reduces greenhouse (GHG) emissions, lowers the risk of groundwater contamination associated with landfills, and conserves valuable land. At the same time, Waste to Energy generates clean, reliable energy from a renewable fuel source, thus reducing dependence on fossil fuels, the combustion of which is a major contributor to GHG emissions.

YS Shashidhar, Managing Director—Middle East and North Africa, Frost & Sullivan said, "Waste to energy contributes to only 1 percent of the overall electricity generation in India. The Indian market is endowed with growth drivers such as growing energy needs, humongous volumes of solid waste, space crunch for land filling, and carbon emission reduction credits that

would enable the solid waste to energy market to grow at a CAGR of 9-12 percent in the next three years. JITF's success in bagging India's largest waste to energy project, against a slew of reputed competitors, suggests its level of preparedness in providing optimal and sustainable solid waste management solutions."

The infrastructure arm of Jindal SAW, Jindal ITF is a part of the \$12 billion OP Jindal Group, the fourth largest business house in India, with established leadership positions in steel, mining, power, energy, infrastructure, water, wastewater, solid waste management and waste to energy. Jindal ITF continues to add economic and social value to the economy and is making rapid strides with its ventures in portable water, wastewater, industrial water management services, waterborne transportation, Municipal Solid Waste to energy management and rail infrastructure.

JITF Ecopolis was set up with the key objective of addressing the urban waste management problem. JITF Ecopolis is all set to be the largest-of-its-kind operational in Asia. Within two years of operations, JITF Ecopolis has been recognised for its efforts and won accolades.

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