

About 100 scientists of Central Pollution Control Board gathered at the landfill site, Ghazipur, Delhi, to mark World Environment Day

About 100 scientists of Central Pollution Control Board (CPCB) along with Dr. A. B. Akolkar, Member Secretary, CPCB, gathered at the landfill site, Ghazipur, Delhi, in the morning at 8 AM on 05th June, 2015, to mark World Environment Day and held technical sessions with EDMC, IL&FS and GAIL (India) Ltd. The scientists also made site visits to the Landfill, facilities of the Waste-to-Energy Plant and Landfill Gas Management.

Growing urbanization has resulted into increased generation of Municipal Solid Waste (MSW) which needs to be managed by adopting environmentally sustainable technologies so as to keep our cities



clean and protect the environment. There is also a growing need to minimize the cost of managing MSW through recovery of resources and energy instead of disposal into landfill. Use of landfills may not be sustainable as it requires

land which is scarce and also associated with a potential risk of surface and groundwater pollution due to leachate generation and deteriorated ambient air quality due to bad odour, flies, methane emission, fires etc. Delhi generates about 8300 metric tons of municipal solid waste per day and landfill sites at Bhalsawa, Okhla Phase-I and Ghazipur are used for disposal. A Waste-to-Energy plant is also operational at old NDMC Compost Plant, Okhla, processing about 1500-2000 metric tons of waste per day to produce about 16 MW of electricity.

Giving utmost importance to the Municipal Solid Waste Management, Central Pollution Control Board celebrated the occasion of World Environment Day at landfill site of Ghazipur, Delhi, in collaboration with East Delhi Municipal Corporation, Infrastructure Leasing & Financial Services (IL&FS) and GAIL (India) Limited, who are managing the Ghazipur landfill site, commissioning of Waste-to-Energy plant and operating a pilot project on landfill gas management respectively at the same site. About one lakh tons of mixed solid waste is disposed at Ghazipur landfill per month. Average landfill gas collection, comprising of methane (28% by volume), is about 127 m³/hour which is being flared at the site by GAIL (India) Ltd. IL&FS is in process of commissioning a Waste-to-Energy plant to process about 2000 tons of municipal solid waste per day to produce Reduce Derived Fuel (RDF) and generation of 12 MW of electricity thereof. The plant is at final stage of commissioning and expected to operate in a month.