

Planning Municipal Solid Waste Management Strategy- An Approach

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Abstract

Municipal Solid Waste (MSW) management is a major concern for Indian cities. There is an immediate need for proper planning and implementation of MSW management strategy. However the choice of appropriate MSW treatment technology is an enigma for the decision makers. Thus in this paper an attempt has been made for selection of appropriate treatment technology by analysing a series of steps required for designing a MSW management system. This method has been developed for quantitative assessment of suitability for any MSW treatment technology. The study includes a case study of MECON Township where this methodology has been applied for designing an appropriate MSW management plan and selection of processing technology.

Keywords : Municipal Solid Waste (MSW), Composting Vermi-composting, Bio-methanation, Refuse-Derived Fuel (RDF), Incineration, Gasification, Landfilling