

Characterisation of municipal solid waste of household and Sukali dumping depot of Amravati city

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ABSTRACT : Increasing population and urbanization created various problems among which solid waste management is the one. It arouses the problem of public health and environmental deterioration. Lifestyle of unconcern people is the root cause of this problem. Proper characterization of municipal solid waste is the first fundamental step for the planning of municipal waste management services. Based on composition/ characterization of waste, appropriate waste processing technologies can be selected and implemented. Characterisation of the solid waste at the duping site shows the presence of high percentage of organic matter (24%) and inert material (25 %) in the waste. Characterisation of the solid waste of the household samples shows high percentage of organic waste (55%) and low inert material (8.37%). Thus, it indicates that the proper on site (household level) segregation of different components of the waste viz., organic waste, plastic waste, metals, glass, paper, can reclaim the resources and better use it. It can be concluded that the way we manage will decide how well prepared we are for the better future.

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