

# People's Perception on Waste Management

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**Abstract**—Solid waste has been produced since the beginning of civilization. Solid waste management is one of the most neglected aspects of India's environment. Municipal solid waste (management and handling) Rules 2000 have made it mandatory for the administrative authority of any area to undertake responsibility for all activities relating to municipal solid waste management. The major problem is that- underestimation of generation rates and therefore, underestimation of resource requirements, lack of technical and managerial inputs, and lack of reliable and updated information to the public. Under this backdrop the study was conducted on "People's perception on Waste Management and its scope for usage in Agriculture" with the objectives: 1. To study the socio-economic status of the respondents 2. To understand the methods of waste management by the municipality 3. To know the people's perception on waste management 4. To find out the possibility of recycling of waste for agricultural uses. The present investigation had been conducted in Jalpaiguri Municipality of West Bengal with a sample size of 250. The statistical tools used for analysis and interpretation of raw data were Frequency, Percentage, Mean, Standard Deviation, Coefficient of variation, probit analysis and Chi square test. The people's perception on Municipal waste management suggested in the probit analysis that among the major problem on waste management other problems are also to be considered. It is evident from the findings that City dwellers are not fully satisfied with the disposal of waste management by the municipality. The results of Chi –square test reveals that residents are well aware about the improper waste management causing health, environment and economic hazards leading to disease like malaria, diarrhea, and typhoid. Regarding recycling of waste it is found that neither residents nor the municipal authority is involved in the process of recycling. Peoples have little knowledge about recycling of waste and on composting so; municipality can think People gather information on waste management by different mass media. Apart from these some important constraints have been identified and suggestive measures have also been advised.

**Keywords:** Waste management, Recycling of wastes, People's Perception