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DEPARTMENT OF CIVIL ENGINEERING

A PROJECT REPORT ON

“SOLID WASTE MANAGEMENT OF BAGALKOT DISTRICT

A CASE STUDY”

(KSCST Approved)

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SOLID WASTE MANAGEMENT OF BAGALKOT DISTRICT

ABSTRACT

The problem of solid waste management (MSW) is acquiring an alarming dimension in India. The swift industrialization and urbanization has resulted change in the life style, because of which the quantity of solid waste generated has increased significantly and its characteristics have changed. Lack of financial resources, institutional weakness, improper choice of technology and public apathy towards SWM has made this service far from satisfactory .In this context an investigation has been undertaken to study the present scenario of SWM in Bagalkot city of Karnataka. The entire city is divided into 31 wards. The Bagalkot urban local body (ULB) operates to collect waste by door to door collection and containerized storage system in some of the wards. The dumper placers are used to transport the waste to the dumping site. Auto tippers are used for primary collection in slum zones and tricycles are used in other parts. The disposal site is near mallapur road which is 2 km away from the city. At present, solid waste is not segregated at the source and open dumping is practiced. However, both these practices are not complying with the guidelines laid by MSW (Handling and management) Rules 2000. The average per capita generation of solid waste was found to be 300 Gms per day.

The physical and chemical characteristics of solid waste were studied by collecting samples from different localities in study area.(bio degradable-50.91% and non biodegradable-49.09%). Moisture content of collected samples was determined and chemical analysis of Leachate was carried out. Water samples collected from disposal site were tested in laboratory and are portable. GIS and GPS work was carried out to locate bin points of the city. A thorough study of all the component of municipal solid waste management was carried out .

Likewise the detailed study was undertaken for all six talukas of Bagalkot district.