


PROJECT NAME:

ESTIMATION OF DOMESTIC
BIODEGRADABLE AND NON-
BIODEGRADABLE WASTE AND ITS EFFECT
ON LAND FILLS


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Report on

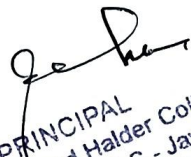
Estimation of domestic biodegradable and non-biodegradable waste and its effect on land fills

The quality and quantity of waste generated from household depends on food habit, standard of living, degree of commercial activities, season etc. quality of solid waste can be expressed in unit of weight generated by a given person/day in a given location. These wastes generally deposited in pits, fields, compost pit or landfills. Proper solid waste management is very important from the point of environmental safety. This kind of management follows a basic rule like waste segregation at the source point in the category of biodegradable waste, dry waste, domestic hazardous waste etc.

A survey was done on 13 middle class families at Dakshin Barasat during February to April, 2022 on generation of biodegradable and non biodegradable (mainly Plastic) wastes generated per day. It was found that 339.6 gm of biodegradable and 4.7 gm of non-biodegradable waste was generated /day / person.

11 families i.e 84% of the total dispose these biodegradable wastes in the nearby pond and open land. Rest of the families disposes it in the garden or in the compost pot. All of them are of opinion that there is no fixed place or method of disposal of plastic wastes and generally thrown in the land. It has been reported that plastic materials take more or less 1000 years to decompose and leach toxic substances in the soil or water. It decomposes the physical, chemical and biological structure of the soil which ultimately poses negative impact on biological components of the soil.

Thus proper waste management measures should be taken through generating awareness in the common people is still obligatory.


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