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SOLID WASTE MANAGEMENT – FROM WASTE TO WEALTH – A PROPOSAL

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Abstract

Solid waste management (SWM) remains to be a significant challenge to developing nations. With increasing global population and the rising demand for food and other essentials, there has been a significant rise in the amount of waste being generated daily by each household. If the management and disposal of waste is improperly done, it can cause serious impacts on health and problems to the surrounding environment. The ultimate aim of this proposal is to formulate sustainable SWM techniques and to ensure that solid waste is managed in a way such that it protects both public health and the environment. It primarily involves the collection, transport, treatment and disposal of waste along with its monitoring and regulation. The major aim of any solid waste management system is waste Reduction, waste Reuse and waste Recycling. Conventional open dumping and incineration methods have imposed harmful environmental impacts. This has impelled the search for alternative technologies. This paper proposes diverse successful solid waste management techniques for effective management and for a greener environment. Different SWM approaches are reviewed and analyzed to give a theoretical frame work. A step wise technique is being proposed which includes the use of sturdier vehicles, garbage grinders, compaction trucks, novel composting and recycle techniques and productive generation of energy. This sustainable and integrated waste management can be achieved if there is proper plan, effective environmental policy and cooperation between Government and the citizens.

Keywords: *Solid waste disposal; Environment; recycle; Energy.*

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