

IMPORTANT STEPS TO REDUCE THE SOLID WASTE BEFORE RECYCLING FOR PLANT SAFETY

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ABSTRACT

Industrialization with globalization got a great demand and focus to urban livelihood standards many people equipped and developed with best wages and skills (opportunity). At the same time they are not recognizing the loss with some important factors in urban damage, one among them is “Solid Waste Management. This paper explains the educational patters of solid waste management for recycling.

KEYWORDS: Education, Transporting, Technology, Policies and Implementing

INTRODUCTION

Throwing the waste without any packing or segregation is out practice. Governments brought policies and filing system for filing, garbage handlers etc., but we have no fear for such policies. Really it is a shame to all the governments and municipalities for not bringing strong policies. They are not educating (prepared) people and communities for their endless support and cooperation. For example take Greater Hyderabad Municipal Corporation (GHMC). They are given two bins for dry and wet. Vehicles also provided for caring. But people not separating dry and wet because they are not educating people and communications. After investing / losing more money for plastic bins & subsidy for vehicles (Please see annexure 01). This is also a failure program because they did not prepare any kind of recycling process.

This is the time to think about solid waste managing meet for controlling pollution and global warming. Some steps are given for successful solid waste management program in all cities.

- Education for participation
- Decentralization
- Segregation
- Recycling
- Government & Municipalities Involvement.
- **Education for Participation:** Global illiteracy is 3.8% with 30% in cities (Please see annexure 02). All the cities are consists of rich, middle class and poor people with some illiterates. So everyone is new to any new subject. So before implementing the task, municipalities should educate all the people for better results. Here in solid waste management, education provides two things (a) Controlling Wastage in households (b) For practicing the Eco friendly ideas.

- **Controlling Waste Management:** Ten years ago there were 2.9 billion urban residents who generated about 0.64 kg of MSW per person per day (0.68 billion tonnes per year). Today these amounts have increased to about 3 billion residents generating 1.2 kg per person per day (1.3 billion tonnes per year) (Please see annexure 03). Here we can see the growth in both population and per person per day waste generation. Today every one bringing and preparing number of items for cooking and eating, waste generation is more. They are just throwing excess it into dustbins. If we educate them for reducing solid waste, many families can be reduced by their own ideas.
- **Practicing the Eco Friendly Ideas:** - Practicing the eco friendly ideas also one of the best thing in reducing the waste. Ex. Carrying a bag or bucket for purchasing vegetables or ration items will reduce consuming polythene bags". Some cities banned "polythene covers" after noticing problems. Educating residents (Communities) for preparing compost with kitchen waste for their vegetable gardens at their roofs will reduce the expenses, time, pollution and chemicals in vegetables. Educating commercial and industries will reduce the load (quantity) of solid waste.
- **Decentralization:** It is also one of the most eco friendly events. As we aware that hundreds of vehicles carrying tons of solid waste from city to outskirts dump yards. The transporting Lorries are emitting more pollution on roads. These pollutants are playing a vital role in increasing city pollution levels and global warming conditions. So we should reduce their type traffic noise and pollution by decentralizing technology. Most of wet solid waste can convert into compost with technology. So municipalities should encourage (pressure with policies) community centers, colonies and hotels to convert their wet into compost, this will half the pollution in cities.
- **Segregation:** Dividing (separating) wet and dry before transferring waste handlers (waste takers from home) is good but some kind of waste quantity will be very less. Such quantities throwing or selling by handlers (Garbage collectors) is huge loss to corporations and communities. Ex: Corporations should put a particular day (in a week) for collecting clothes, wood, tins, plastics etc. Then people will few days and submit them to waste handlers. This will become to carry a quantity for recycling. All this happen with environment.
- **Recycling:** Separating of the materials like paper, glass, metals, plastics, tyres etc., provides raw material after recycling this materials purchased by manufacturing companies like paper (news print, chipboard, craft linerboard, package material and roofing material), metals, high density polythene lane (HDPE) and polyethylene terephthalate (PET), electricity generation companies, cement companies etc (Please see annexure 03).

The present all the above companies depend on forest, mines (digging) and nature for procuring raw material. So recycling saves nature (environment) and protects eco system for next generations.

- **Governments and Municipalities:** As we aware that transferring democrats (government employees) from one place to other place is a common in governments. So they are just coming and preparing their own plans in controlling solid waste, but unfortunate transferred officer stopping at implementation. The same repeated again by next officer by throwing old ones into dustbins. So people should take this as advantage and developing garbage at open sites and open ponds, canals and others heritage places. We put an end with education and policies.

CONCLUSIONS

Basically solid waste develops odors, pollution (water & air) and became a place for diseases. Governments & municipalities should take immediate action for the controlling of solid waste with management practices by establishing technology from community level to major develop yards else it is impossible to handle garbage in all areas. Thus pollution occupies more space (pocket money) in coming days by expanding more diseases.

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