

# Case Studies on Waste Management

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**Abstract-** A waste management system is the strategy an organization uses to dispose, reduce, reuse, and prevent waste. Possible waste disposal methods are recycling, composting, incineration, landfills, bioremediation, waste to energy, and waste minimization.

**Keywords-** strategy ,reduce ,reuse, bioremediation, reliance mango production, Robin Hood Army.

## I. INTRODUCTION



Waste management or waste disposal includes the processes and actions required to manage waste from its inception to its final disposal. This includes the collection, transport, treatment and disposal of waste, together with monitoring and regulation of the waste management process and waste-related laws, technologies, economic mechanisms.

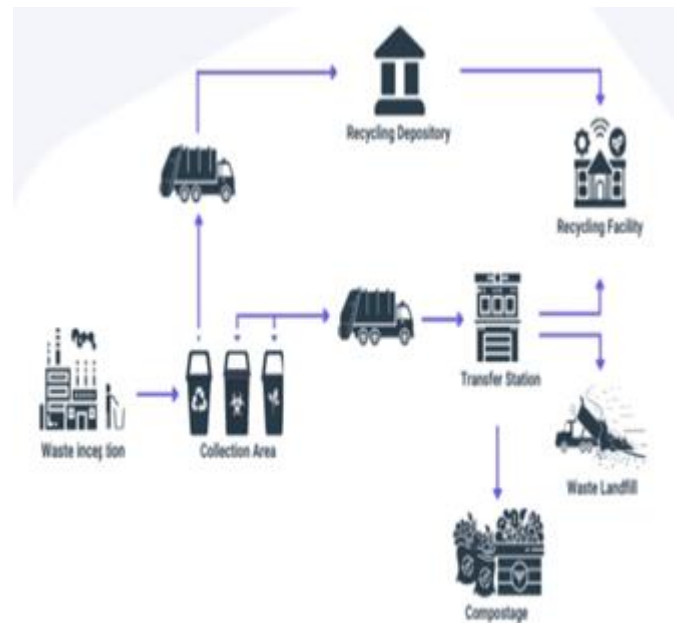
Waste can be solid, liquid, or gases and each type has different methods of disposal and management. Waste management deals with all types of waste, including industrial, biological, household, municipal, organic, biomedical, radioactive wastes. In some cases, waste can pose a threat to human health. Health issues are associated throughout the entire process of waste management. Health issues can also arise indirectly or directly.

Directly, through the handling of solid waste, and indirectly through the consumption of water, soil and food. Waste is produced by human activity, for example, the extraction and processing of raw materials. Waste management is intended to reduce adverse effects of waste on

human health, the environment, planetary resources and aesthetics.

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Waste Management Life cycle



## II. CASE STUDY:-1 FOOD WASTE MANAGEMENT

In this case study in Solapur there is one organization who donate food .Which are poor, illness peoples, handicap peoples and needful peoples etc. The organization name is ‘The Robin hood army. “These organization Robin Hood Army was founded by Neel Ghose, Aarushi Batra and Anand Sinha in New Delhi

The “Robin hood army “is establish in 26 August 2014 Year. There Journey “On the army’s first night of distribution, they are realized that helping the less fortunate

may feel good personally, but feeding 50 odd people at night, once a week would not create any real difference in a country where millions are starving. Hunger is an acute problem.

#### Details:

In 2014-15 the 2,314 Robins in 8 Cities .Modeled on Portugal's Re-Food Program, the Robin Hood project starts in Delhi, India in August'14. Through social media they was make a group .and some Robins are joined through that group. The Robin hood army's Robins are making through this group.

In 2016 The 6,375 Robins in 32 Cities .The Robin Hood army (RHA) expands its base across international borders, and sets up the Robin Hood Academy — a feeder program where Robins teach and enable hundreds of street children to pursue primary education through a structured curriculum.

In 2017 the 10,350 Robins in 48 cities are expand and they donate millions of people food that hungry.

In 2018 the 24,377 Robins are in 103 cities expand

In 2019 the 28,164,165 served in 159 cities

The Robins are expands and these social work is today have goes on. The Robin Hood army is an organization which donates food to needy people, especially at leprosy colpny.They donate food daily. Actually donors donate food from different areas, even some functions, birthday parties, & even food received from marriage functions have been also donated there.

Navratri is the festival of Goddess Durga's awatara.The Robin Hood army gives food according to 9 specific colours during this occasion. The Robin Hood army arrange food themselves in navratri and they take from other some food but they arrange food daily through different persons.People celebrate their birthday party many times with leprosy people.They share some food, and in marriage remaining food and in hotel, when some people are very happy on that day because indirectly they could help poor people.

The Robin Hood army is doing a social work as far as they are doing a work of do not waste food that is more important. If they have a good team organization in over all India.I have taken case study of solpaur.The Robin hood army is an example of food waste management. And they Are such a do great things.

One of my colleague work as a volunteer in this cell. I observed, after engineer's day celebration they donated food from the balance amount of that special day.

The Robin Hood army celebrated Diwali festival with different theme. They established a "manuski foundation under this foundation the RHA is used to collect populates' old things and then that things give to needful peoples. Before

The RHA is doing a social work to remove waste and that waste is useful to another needy & poor people. .



### III. CASE STUDY:- 2 RELIANCE PETROLEUM LIMITED (JAMNAGAR)

The Jamnagar is the private sector crude oil refinery owned by Reliance industries Limited in Jamnagar Gujrat India. On 14 July 1999 with an installed capacity of 668000 barrels per day .it is currently largest refinery of the world.This was hit by massive pollution in 1997. It is noteworthy that there were many complaints and protests in this regard. This was followed by several warnings from the pollution Control Boards and the reliance industries refinery, and the problem erupted on a large scale. The management of reliance industries has decided to resolve the issue expeditiously.

Reliance industries has come up with the idea of setting up a mango orchard near the refinery to control pollution levels in the area where the refinery is located. This was followed by the planting of 1.3 lakh mangoes containing

more than 200 varieties of mangoes on about 600 acres of land in an attempt to turn the barren land near the Jamnagar refinery into green space.

Reliance industries Group has set up a desalination plant to purify the 600-acre mango orchard and bring clean water to the orchard. As a result, pollution in the region gradually began to decline. The orchard was named Dhirubhai Ambani Lakkibak Amrai in memory of reliance industries founder Dhirubhai Ambani. About 127 varieties of mangoes are produced from this orchard every year and sold in india and worldwide

#### IV. CONCLUSION

The modern techniques are established to remove waste. The waste is reuse, recycle etc. Awareness programs about waste can be initiated so that the peoples are help to reducing it ,and reuse it. Banners can be laid in large quantity everywhere .Also displays DO's and DON'Ts on banners. The first and most obvious way is recycling. Composting turns your food waste into fuel for your garden and it can suit gardens of any kind. Avoid single-use food and drink containers and utensils. Shop eco-friendly with reusable bags.

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