

It is extremely important for different stakeholders to play their roles in organic waste management.

### **Role of Government to Manage Organic Waste**

Government can use organic waste in agriculture. Organic waste usually includes the manure of animals, food waste, waste from industries, municipal waste. By products produced from farming, municipal and industries is termed as organic waste because it is not the actual thing required and they are not the primary products. Although it is byproduct it must be used in some way that it can become useful. Government can play an important role in the conversion of organic waste to the useful things. Government can make rules and regulations for different organizations that how should those organizations treat their waste. Once proper rules are made by government, everyone will follow it of every entity will know about it. Government can launch some programs to educate different entities that how they can turn their organic waste into useful things or how they can recycle the organic waste. A strict order must be issued by the government to the restaurant about the food waste; food waste is increasing day by day. Whole world is now facing the issue of food wastage. Government must instruct the restaurant about the management process of food wastage.

Government can make fertilizers and different chemicals out of the organic waste. Different industries can be built by the government to do such tasks. Organic acids, products based on ammonium and different kind of useful alcohols can be produced by government on large scale using organic waste.

Government can also contribute towards agriculture industry if start converting organic waste into the products beneficial for the crops. Agriculture mostly use animal manure for the crops as their fertilizers and such fertilizers can improve the properties of the soil for the crops. Industrial organic waste can also be utilized by the government for this purpose. Energy that is produced from the manures of animals and other organic waste can be utilized in the field of agriculture in almost all parts of the world (Burton, 1997).

### **Role of Restaurants to Manage Organic Waste**

Restaurants can make their own agendas regarding the organic waste management and they can do a lot about it as well. Billion of food gets wasted in whole world each day. If that food waste is utilized properly it can become Beneficial for the humans instead of getting wasted. Restaurants can adopt multiple ways to recycle the food waste. Food waste from restaurants can be turned into animal feed. It is quite cheaper and a more sustainable solution for the food waste, restaurant owners can manage or introduce such processes in their resultants. On daily basis restaurants can collect their food waste and can provide to another entity that can convert that food waste into animal feed. Special checks must be made on this conversion as some food can be harmful for some kind of animals. Restaurant can also take help of local government for this purpose.

### **Role of Councils to Manage Organic Waste**

Councils can manage organic waste at their level as well. They can collect organic waste from houses, from restaurants, from garbage and so on. They can deploy different bins at the garbage location which can notify people about different types of waste. Plastic waste can be disposed in one bin, paper waste can be disposed in one bin and in same way the council and use a separate bin for the organic waste. Council then can collect those organic waste bins and can use it in different ways to manage the waste.

Councils can use the concept of worm bins. This is actually one of the best ways to treat the organic waste. Actually a worm community is made in bins and the organic waste is disposed in those worm bins. Worms will eat that organic waste and the waste will pass through the body of worms. After that waste material can be used to fertile the soil (S K.K, 2016).

Councils can use the concept of compost for the management of organic waste. Councils can deploy composting bins that must be reserved only for the organic waste including food and plants. Councils then can pick them up at fixed times. Councils then use those compost bins for the organic waste for making fertilizers at low scale or can be provided to shelter houses for the animals so that animals can be fed on them.

## **How Everyone Can Manage Organic Waste at Home?**

Organic waste can be managed at the level of home. At home people can make separate bins for the organic waste. This waste then can be used in garden at home and can act as fertilizer for the garden soil. This organic waste can make plants grow better and can provide a good moisture to them.

At home people can install food waste systems in their sinks. Many countries are already installing in sink food system. Using such system, house can reduce food waste up to 35 percent. This can reduce the garbage in landfills as well.

Different organizations are working for the removal and management of organic waste. Those organizations can provide an organic waste bin to home. People at home then collect the organic waste in those bins and once they get full, people can call the organization to collect those bins filled with organic waste.

A whole community or a bunch of neighbors can also do this practice that they can deploy a bin near houses in which they can collect the organic waste and once those bins get filled it can be given to council or different organizations for its management.

### **Solutions To Waste Management's Problem**

Waste management is extremely important. Waste if not properly recycled or managed can create toxic gases and other environmental issues. There are several ways in which waste products can be managed.

Organic waste material can be recycled into soil fertilizers and can become beneficial for the plants and soil. Organic waste can also be used to produce energy. There are different examples in which organizations and people are actually using the organic waste to produce energy. In UK a food company named as “2 sister foods” is using the potato peel to produce 3500 megawatt of electricity.

Animals can be fed on the organic waste. Different food waste or organic waste can be used to make food for animals. There are a lot of stray animals living in the streets. Those animals can be fed easily if organic waste is recycled properly (US EPA, 2003).

Organic waste is managed usually by following two process i.e. composting and anaerobic digestion. Composting is a cheap and much suitable process. On the other hand anaerobic processing of waste is done at large scale usually.

Using the composting method waste can be used as compost for agriculture, gardens, forestry on the other hand anaerobic digestion is used to make renewable fuel.