

## “Solid Waste Management Plant”

As part of “Swachh Bharat Mission” as per direction of Hon’ble Prime Minister, disposal of Solid Waste Garbage has to be done in a comprehensive manner. National Green Tribunal (NGT) has also directed for disposal of waste in a scientific manner so that minimum handling should be involved and bio gas & manure thus generated can be utilized for agriculture purposes.

In view of above, “Solid Waste Management Plant” is set up at coaching depot Jaipur with capacity of 0.5 ton decomposed bio degradable waste daily. Work costing Rs. 42 lakh including two years operation & maintenance for two years was sanctioned under PH-53 in Feb ’2015. Actual work started on 11.03.2016.

It is the first ever pilot project in Indian Railways. Solid Waste Management is a strategic approach to manage solid waste in a sustainable manner by considering aspects viz. solid waste collection, segregation, digestion/bio-methanation & final disposal of all products and by products in Environment friendly manner as per prevalent laws. Bio gas generated will be utilized for cooking in running room kitchen, which is sufficient to take total load of cooking gas.



### **1. Specification of Solid Waste Plant :**

- **Capacity:** 0.5 ton decomposing bio-degradable/organic solid waste per day.
- **Decomposition:** Closed system for organic waste decomposition in containerized bio box.
- **Cost:** Rs. 42 lakh (approx) including two years O&M.

### **2. Utilization of by-products.**

- **Bio-Gas:** It will be utilized in Running Room kitchen for cooking purposes.
- **Manure:** can be utilized in plantation/agriculture use.

### **3. Disposal of all other products in environment friendly manner.**

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