

Hotel Wastes for Power Production!

Power needs are increasing day after day. Several industries and housing complexes are growing rapidly in all places and demand for power supply is the hot topic now everywhere.

Pammal is in the outskirts of Chennai.

All the domestic wastes, hotel wastes, mutton stall wastes and industrial wastes are collected to produce 5kw power.

Xenora which strives for clean environment has taken up the project as Pammal is awkwardly bad due to dumping of domestic wastes here and there. This power is used to glow lights in 5 streets.

The Xenora has established a bio gas plant in Sankar Nagar in Pammal at a cost of Rs.20 lakhs.

There 4 containers with 3000 liter capacity have been arranged. Daily 250 kilo domestic wastes and 250 liters of water are filled in it.

This produces methane gas which is used for power production. They are stored in 50cu mt balloon from where pure methane is extracted to operate a generator. Daily 5kw power supply is produced successfully, which is used to glow 50 lamps for 8 hrs in 5 streets. This gas is used also for cooking, Peenut Plate production, and carbon pieces manufacturing process and to operate machines.

Xenora Green Pammal unit organizer Mrs.Mangalam Balasubramaniam says "Initially in 21 wards the domestic wastes were removed and collected. To engage the Chennai Corporation employees 5 wards were allocated to them. The public should not throw their wastes on the street and instead throw into the dust bin or wait for our waste collection vehicle at their door step. If all marriage halls, hotels and mutton shop wastes are dumped in our waste bins or vehicles our aim will be 100% successful.

All those wastes which cannot be destroyed can be destroyed by scientific land filling method. We have to dig pits and plastic bags should be filled in it. Then all the under-storable wastes can be put into it. A type of drainwater waste will be generated which can be diverted to a unit where it can be purified for reuse. But in Pammal we don't have to be purified for reuse. But in Pammal we don't have sufficient space to arrange this unit."