The Aerobic Waste Composting project at Tirumala Devasthanam Hill Temple aimed at setting up a facility to process the biodegradable waste. The waste management process here begins with the segregation of waste by Dual Dustbin System followed by shredding and subjecting to dilute culture solution. The bacteria in the culture facilitates the decomposition of the waste. The wet waste is exposed to air for around 30 days to ensure uniform aeration. The waste finally gets fed into the rotary where it is processed to form smaller particles which are then sent to a trommel. The trommel segregates the waste in various sizes. Every 100 kg of wet waste is capable of producing 20 kg to 30 kg of high-quality manure which is successfully used for crops, in gardens and nurseries.

- About 36 MT per day of solid waste is generated on normal days and approximately 54 MT during peak days. The general composition of garbage is 91.00% of organic waste and remaining in-organic waste such as plastics, glass, metals, paper cardboard, leather, cloth, coconut core/shell etc.
- The processing capacity of the aerobic waste composting plant is 45 MT.
- The aerobic waste composting plant has proved immensely beneficial as it handles effectively more than 75 per cent of the daily waste generated.
- This helps the TTD administration to keep the hill town more clean winning many national awards.