**7.1.3 Facilities in the Institution for the management of the following types of degradable and non degradable Waste**

Waste management is an important element of environmental protection. Its purpose is to provide hygienic, efficient and economic waste storage, collection, transportation and treatment or disposal of waste without polluting the atmosphere, soil or water system. Our waste management system focuses on

* Minimizing the amount of waste we generate
* Recovering waste materials and finding ways to recycle them
* Disposing of waste safely and effectively

Our institution has been awarded Ist Rank in Swachhta Ranking 2017 for the cleanest campus among the Higher Education institutions in our country. Being an Ecofriendly institution our campus has a proper management systems for solid, liquid and E-Wastage inside the campus

 **Solid waste management**:

* Installed Bio-gas plant with a moisture content of 50-60% to recycle the bio degradable organic wastes from canteen, kitchen, college campus and staff quarters. An aerobic digestic process produces bio gas to flame burners 2 hours per day. It is used for boiling milk and rest goes to produce steam in the steama.
* Green waste is usually not burnt but is collected centrally and is used for vermin composing set up of the campus.
* Wastes are dumped in waste pits for making manure.

**Liquid waste Management**:

The waste water collected from the laboratories, toilets, canteen and quarters is treated effectively by Biological Aeration process. Approximately 2,00,000 Liter/ day of Effluent is purified and the treated water is reused for irrigation.(flow chart and photos). The liquid media wastes generated from Science laboratories are properly decontaminated and discarded. The acid wastes are diluted and discarded.

**E-waste Management**

* Systems with long guarantee period are acquired and some of older computers that are in working condition are donated to schools.
* Useful spare parts are retained and put to use later.
* Practical learning of hardware through old computers.
* Computers and peripherals are sorted and exchanged during new purchases and almost all equipments are utilized to the fullest extent.
* E-waste like electronic equipments, empty toners, outdated computers, CDs, batteries, pen drives and other electronic appliances are sold as scrap material in order to ensure their safe recycling.

**Hazardous Chemicals and Radioactive waste Management**

* Chemical wastes generated from the lab are identified and disposed only after by dilution with plenty of water and neutralization using alkali /acid.

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