

7.1.3

Facilities in the Institution for the Management of the degradable and non-degradable waste

SLIET adopts environment friendly practices and takes necessary actions such as – waste management, waste recycling, energy conservation etc. Proper waste management system with separation of wet and dry waste exists in the institute. A team of outsourced staff hired from “Sanitation Services” head of account, works under the supervision of Estate Office.

Solid Waste Management:

Each department, hostel, residential complex, shopping complex of SLIET as well as administrative offices collect the waste and dumped in small waste bin located in the department. Dustbins are placed in each building, from where housekeeping staffs collect the wastes. From the small bin wastes are dumped in big bin/ disposal brickwork structures regularly. From the big waste structure, the solid waste is transferred through the Institute tractor/trolley and Sanitation Workers to the Isolated area in the campus.

The unnecessary papers (old question papers, answer scripts etc.) and broken furniture are, however, sold out to the third parties.

In-house production of manure and Vermin-Compost:

The tree leaves, plants, grass and other green waste is transported through Institute tractor by the Horticulture workers to the Isolated area in the campus.

The organic wastes filled in pits are subjected to composting. In addition to the organic waste generated from different units, large sources of organic wastes other than kitchen wastes, like leave litter, terrestrial weeds generated from campus are collected throughout the year.

These solid and organic wastes such collected are used for the manure and vermin-compost production by the horticulture wing

Liquid Waste Management:

Liquid waste is managed through an open Oxidation Pond of capacity 5 Lac liters/day. Liquid wastes generated by the institute i.e. Sewage waste including toilet, washroom, kitchen, canteen, residential complex etc. The liquid wastes are mainly drained to improve the ground level of water.

- The **COLLECTION CHAMBER** to collect raw sewage has been provided for collection of dirt, solid waste and screening of waste etc.
- An **OPEN OXIDATION POND** has been provided for the treatment of waste water. The wind helps with the evaporation of the water to get oxygen into the water. This helps in water getting cleaned.
- The **waste water is USED FOR IRRIGATION** of forest area of Institute and the informal garden near BH-08. Oxidation pond is handling 5,00,000 liters/day.

Bio-medical Waste Management:

Biomedical waste, collected in the Health Centre is initially dumped in the designated place at Health Centre and the same is handed over to the **AUTHORIZED SCRAP MERCHANT** in at regular interval. A separate contract in this regard has also been signed with the authority scrap merchant for the Biomedical waste management.

E-waste Management:

E-wastes are generated from departments/laboratories, includes out of order equipment or obsolete items. All these wastes which cannot be reused or recycled is being disposed of through **Notice Inviting Quotation or E-tender by the Store & Purchase department.**

Hazardous Chemical Waste Management:

SLIET, do not generate hazardous waste and can be classified as conditionally exempt small quantity generators under Hazardous Waste (Management and Handling) Rules 1989, amended in 2009 & 2010.

File Description	Documents
Green and Environment Audit	http://iqac.sliet.ac.in/files/2021/11/Green-and-Environmental-Audit-Report-20211.pdf
Management of Degradable and Non-degradable waste	http://iqac.sliet.ac.in/files/2022/12/Management-of-Degradable-and-Non-degradable-waste.pdf
Bio-Medical-Waste-Management-Agreement	http://iqac.sliet.ac.in/files/2022/12/Bio-Medical-Waste-Management-Agreement.pdf
E-waste orders	http://iqac.sliet.ac.in/files/2022/12/E-waste-orders.pdf
Geo-tagged Photographs	
Waste-Management-Geo-tagged-photos	http://iqac.sliet.ac.in/files/2022/12/Waste-Management-Geo-tagged-photos.pdf