

7.1.3. Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste.

Report

RajaRajeswari College of Engineering (RRCE) has practiced waste management practices such as segregation, recycling, and composting. Creating awareness among students, staff and faculty members to control on waste generation during events and daily routine activities has been practiced. College has housekeeping staff, gardeners and sweepers help in segregation of waste and proper disposal.

- **Solid waste management**



Photo.1: Waste segregation system

Dustbins have been installed throughout campus for waste segregation. Waste like plastic, metals, glass, cardboard, newspaper and stationery are systematically collected, segregated by

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Criterion: 7.1

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housekeeping staff and sold to authorize vendors for its recycling. Biodegradable kitchen waste from mess and cafeteria, horticultural waste such as dried leaves, twigs, and plant clippings is collected from all around the campus and used for vermicomposting. Waste food and leftover of mess and cafeteria is taken away by staff and fed to centralized biogas plant at RRMCH.



Photo.2: Centralized Bio-gas plant at RajaRajeswari Medical College and Hospital (RRMCH)

- **Liquid waste management**

Sustainable liquid waste treatment is adopted in campus through bioremediation using microorganism metabolism which helps to minimize the chemical and biological load of domestic sewage and is good for gardening purpose. Uniform distribution of water and best efficiency is adopted through sprinkler irrigation.



Photo.3: Centralized Sewage treatment plant at RajaRajeswari Dental College and Hospital (RRDCH)

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- **Biomedical waste management**

Biomedical waste from Engineering College is quite less. Safe disposal of the waste is adopted to reduce adverse effect on human, animal health and aesthetics.

- **E-Waste management**

The obsolete computers and other wastes generated from the electronic equipment's are auctioned to authorized e-waste dealers and the hazardous materials in those equipment's are removed and disposed as per norms. The old computers are also exchanged with new computer. The electronic waste components such as computer system components, CPU and ICs are used in practical demonstration to our students. Some of the reusable electronic components like resistors, capacitors, inductors, diode, transistor, thermistors etc. are removed from the gadgets and used by students in making projects.

- **Waste recycling system**

Paper waste is sold out for its recycling in paper industry. Cement concrete cubes as a waste of Concrete Lab are used as pavers in campus. Vermicomposting used to recycle solid waste, peels of vegetable and food waste. Liquid Waste after proper treatment used in gardening plants. Kitchen waste is used in centralized Bio Gas plant to generate Methane gas.

- **Hazardous chemicals and radioactive waste management**

Generally, no hazardous waste is generated in the campus from any Department. The Condemned batteries are disposed through outside agencies. All precautions are taken to store few concentrated acids/chemicals in a safe and separate room.

Principal
Principal
RAJARAJESWARI



सत्यमेव जयते

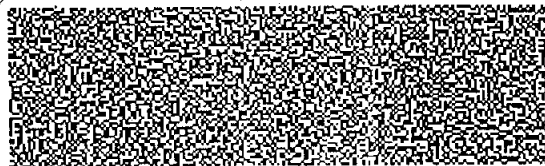
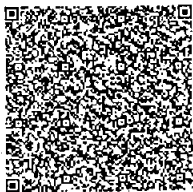
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