7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management.

The College has facilities to keep clean, green and environment friendly atmosphere on the campus.

• Solid waste

To reduce the problem of solid waste disposal, Dustbins are kept at the necessary junctures and sent to a depot specially set up by NMC.Vending and Disposal machines are available.

Broken Glassware's are disposed of in cardboard boxes which are separately sent to depot.

Daily garbage is collected by housekeeping personnel and handed over to authorized personnel of Nashik Munuciple Corporation for further processing. All waste water lines from toilets; bathrooms etc. are connected with Municipal drainage mains. Waste material like old furnitures, plastic, papers etc. are collected and sold out to scrap vendor from time to time.

• Liquid Waste

All waste water lines are connected with Municipal drainage.Preferentially diluted solutions are used for experimental purpose.Concentrated solutions are thrown in sink only after dilution

and disposed of through the drainage system.

• E-waste

Outdated and non-working equipment's are written off from dead stock register regularly.

• Fungal waste

Steam sterilization is done at 121°C with 15 psi pressure for 30 min for discarded fungal cultures, used culture media and disposed through sanitary sewer.

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#### Solid Waste Management:

To address solid waste disposal challenges, strategically placed dustbins are a crucial aspect of our approach. These dustbins are collected and transported to a dedicated depot established by the Nashik Municipal Corporation (NMC). Furthermore, vending and disposal machines are readily available, contributing to efficient waste disposal. Disposal of broken glassware is thoughtfully executed using cardboard boxes, which are then sent separately to the depot for proper management.

#### Liquid Waste Management:

Our liquid waste management is seamlessly integrated with the Municipal drainage system. Waste water from various sources is thoughtfully channeled into the Municipal drainage. We prioritize the use of preferentially diluted solutions for experimental purposes, underscoring our responsible approach to laboratory practices. Concentrated solutions are disposed of in sinks only after undergoing dilution, ensuring their safe passage through the drainage system.

### **E-Waste Management:**

Our institution actively addresses electronic waste through regular updates to our dead stock register. By promptly identifying and removing outdated and non-functional equipment, we ensure responsible and efficient e-waste management.

#### **Biomedical Waste Management:**

Our commitment to proper biomedical waste management is exemplified through a rigorous steam sterilization process. Subsequently, these materials are disposed of through the sanitary sewer.

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Effective waste management is a pivotal component of maintaining a clean and sustainable environment. Our institution has established comprehensive waste management practices across various categories:

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Biomedical Waste Management:

Our commitment to proper biomedical waste management is exemplified through a rigorous steam sterilization process. With a temperature of 121°C and pressure of 15 psi applied for 30 minutes, this method guarantees the safe disposal of discarded fungal cultures and used culture media. Subsequently, these materials are disposed of through the sanitary sewer.

In summation, our institution's waste management practices reflect our unwavering dedication to environmental responsibility. Through efficient and systematic approaches to solid, liquid, ewaste, and biomedical waste, we contribute to a cleaner and healthier environment while adhering to regulatory guidelines. These efforts showcase our commitment to sustainable practices and the well-being of our community.

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