



(Approved by AICTE, New Delhi & Affiliated to JNTU Hyd.)

Raigir (V), Bhongir (M), Nalgonda (Dt.), Ph : 08685 - 645450, 200143, Fax : 91 - 40 - 24331533

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)


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Waste management encompasses the processes of collection, transportation, and disposal of refuse, sewage, and other waste materials. The National Service Scheme (NSS) unit of the college plays a significant role in upholding a sustainable campus through activities such as afforestation and road sanitation. The Institute implements an effective organic and chemical waste management protocol aimed at soil conservation and enhanced yield of fruits and flowers. Solid waste, including glass, paper, plastic, and similar materials, is systematically collected and disposed of. Waste collection occurs in designated bins distributed throughout the campus, where wet and dry waste is segregated accordingly. Wet waste is contained within blue dustbins, while dry waste is designated for black dustbins. Additionally, old newspapers, minor plastic waste, discarded student files, and cartons are collected and sold to vendors. Wastewater recycling is employed for irrigation of the gardens and lawns on the premises. Electronic waste, such as monitors and desktop computers generated on campus, is collected by the designated department. Upon identification of equipment requiring disposal, it is classified into two categories: 1) Materials are repurposed as spare parts where necessary; 2) Equipment such as computer peripherals is forwarded to the IT workshop; Items designated for disposal are transferred to vendors for recycling.

- Solid waste management
- Liquid waste management
- Biomedical waste management E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

From the inception, the Institute gave high priority in the development and maintenance of eco-friendly atmosphere in the camps, Motivated the students to keep their surroundings green and clean by undertaking plantation of trees. The institute and the administration have taken a number of measures to keep the campus tidy,

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green and environmentally sustainable. This includes energy conservation, rain water harvesting, waste control and plantations.

Solid Waste Management:

The institute does not generate any hazardous waste. Biodegradable solid waste, consisting of refuse from regular maintenance, stationary waste, and food waste from the canteen, is collected and deposited in designated pits, where it is converted into vermicompost for use as fertilizer in the campus garden. Non-biodegradable plastic waste is collected separately and disposed of regularly through the local panchayat.




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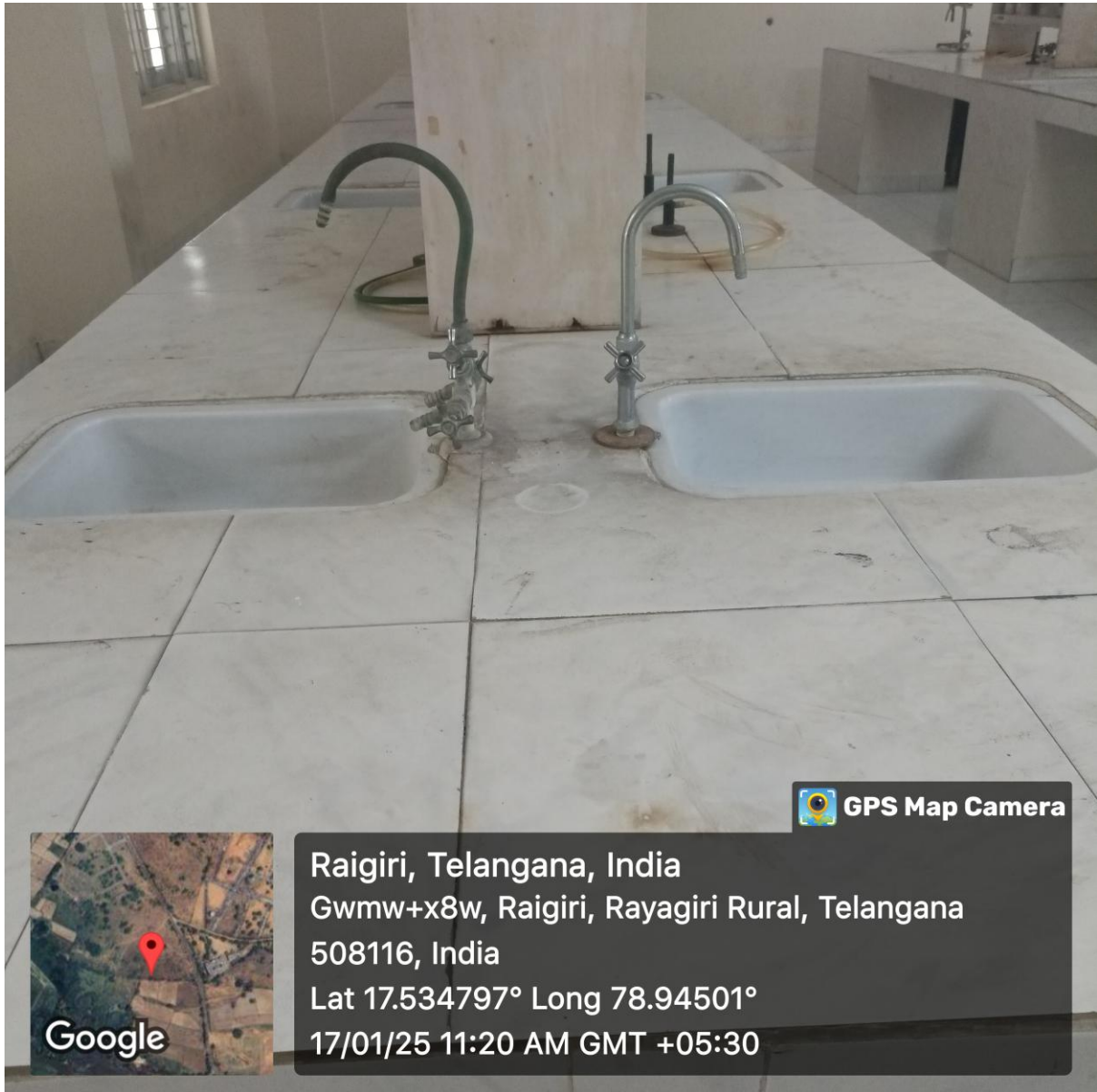
Liquid waste management:

Liquid waste produced from the laboratories is properly diluted and safely disposed through proper channels where the drainage scheme has been carried out in an eco-friendly fashion.


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Bio-medical waste management:

Bio-hazardous waste disposal is carried out complying standard protocols and guidelines. Animal waste in the pharmacology laboratory is disposed in deep pits which are closed with dense layer of soil.

E-waste management:

- The institution has undertaken many e-waste management activities to create an environment that is environmentally sustainable on campus.

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- Electronic waste management: electronic fine tuning and small repairs are performed by the experienced and trained laboratory assistants, and large repairs are carried out by the Technical Assistants and recycled.
- The major e-waste such as written off instruments/equipment, CTRs, Printers, Computers are sold out.
- UPS Batteries are recharged / repaired / exchanged by the suppliers.
- Electronic gadgets, circuits and kits have been written off on regular basis and then it is sold out to buyers/replaced also.
- All the miscellaneous e-waste such as CDs, batteries, fluorescent bulbs, PCBs and electronic items are collected and delivered for safe disposal.
- The waste compact discs and other disposable non-hazardous items are used by students for decoration
- The awareness programs have been undertaken in the institution where the students are made aware of the E-waste management techniques.



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Hazardous Chemicals and radioactive waste management

All the chemistry laboratories are well equipped with fuming cupboards in order to protect the students while handling hazardous chemical waste generated from the laboratories is diluted carefully and discarded through proper channels where the sewage system has been done in eco-friendly manner.




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Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell/Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus




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Waste recycling system

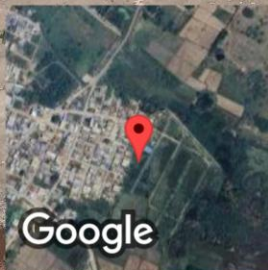



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