



# GOVERNMENT DEGREE COLLEGE

Affiliated to Andhra University

(Upgraded to Model Degree College under RUSA 2.0)

Paderu, Alluri Sitarama Raju-District, AP.

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## 7.1.2 The Institution's Facilities and Initiatives for Waste Management - Institutional Report

The institution maintains a centralized, transparent, and well-planned waste management system. This system effectively handles various types of waste through predetermined procedures.

### Solid Waste Management

Solid waste at the college is primarily generated from the examination department, library, and office. The paper waste from these sources is collected by a paper waste vendor, who then sells it to recycling agencies. Metal scrap is sold to metal casting companies through scrap dealers. Waste is segregated into decomposable and non-decomposable categories. Biodegradable waste is processed in composters, while non-biodegradable waste is managed through the Panchayat collection system. The institution encourages students to use recyclable plastic bags and bottles.

### Liquid Waste Management

Wastewater from the RO water system is collected in a separate tank and pumped to an overhead tank for reuse in toilets and gardening.

### Bio-Medical Waste Management

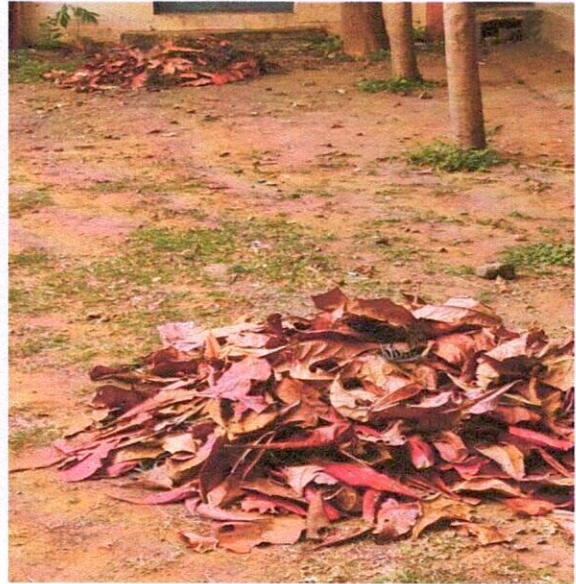
A potential source of bio-medical waste is identified in the ladies' washrooms. Used sanitary napkins are disposed of in black carry bags as per Panchayat guidelines. Female students and staff are educated to use separate waste bins provided in the washrooms for this purpose.

### Environmental and Sustainability Initiatives

Detergent-free wastewater is repurposed for watering plants. The institution does not generate hazardous chemical or radioactive waste.

**Management of Degradable and Non-Degradable Waste** Managing waste is a continuous challenge. At Government Degree College, we follow a systematic procedure for solid waste management. Solid waste from classrooms and various sections of the college is collected in designated dustbins. This waste is then gathered and cleared regularly with the assistance of the gram panchayat. To ensure a clean campus, the NSS unit and its volunteers actively participate and extend their cooperation in waste management activities.

**Management of Various types of degradable and non degradable waste**



**Collecting the waste from college premises**



**Collecting the Degradable and Non degradable waste from College premises**



**Using the Degradable waste in the synthesis of Vermicompost in the Vermiculture pit**



**Vermicompost used as nourishment for Plant Growth**





Mineral water plant



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