



Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee)

Pravara Rural Education Society's

ARTS, COMMERCE AND SCIENCE COLLEGE, SATRAL

Tal. Rahuri, Dist. Ahmednagar (MS) Pin - 413711

Waste Management Policy

Prepared by

Internal Quality Assurance Cell

Waste Management Policy

Introduction

The college is committed to sustainable and holistic waste management, aiming to minimize its environmental footprint. By implementing the principles of **reduce, reuse, recycle and recover garbage i.e. 4R**, the institution ensures effective waste management practices, creating a safe and healthy environment for all. The handling of solid, liquid, and e-waste complies with the *Municipal Solid Wastes (Management and Handling) 2000 Rules*. This policy reflects the college's commitment to ecological responsibility and sustainability by responsibly managing and disposing of campus waste, converting it into environmentally friendly products whenever possible.

Policy Objectives

- Ensure compliance with all waste legislative requirements, including planning for future changes
- Define roles and responsibilities to facilitate cost-effective waste reduction, reuse recycling and recover garbage
- Promote environmental awareness to inspire waste minimization, reuse recycling and recover garbage
- Ensure the safe handling and storage of wastes on campus
- Maintain a campus with minimal plastic use
- Promote a holistic approach to waste management on campus

Waste Management Methods

1. Solid Waste Management

a. Collection and Segregation

- Academic buildings and surrounding areas are cleaned daily by the maintenance department
- A two-bin system is used for waste collection: one for biodegradable and one for non-biodegradable waste

b. Processing and Disposal

- Biodegradable waste is converted into vermi-compost for use in organic farming on campus
- Non-biodegradable waste is further segregated and disposed off through the Gram panchayat's garbage vehicle on a routine basis
- Discarded books and newspapers are sold for recycling and other waste paper is disposed off properly.
- Broken glassware and irreparable furniture is sent for refurbishing and reuse by the head office.

2. Liquid Waste Management

a. Effluent Management

- Liquid waste from canteens and toilets is directed into a proper drainage system to prevent stagnation
- Liquid waste from the chemistry laboratory is channelled through pipes into soak pits
- Micro-scale techniques in chemistry experiments minimize the generation of large-scale liquid chemical waste.

3. E-Waste Management

a. Collection and Disposal

- Computers and other electronic equipment that are beyond repair are collected by the head office for disposal and recycling
- Optimum use of electronic equipment is ensured through regular repair and maintenance

4. Waste Recycling System

- a. A vermi-compost unit in the botanical garden converts organic waste into bio-fertilizer for campus plants

5. Hazardous Chemicals and Radioactive Waste Management

a. Green Chemistry

- The use of green chemicals is promoted in chemistry practical work
- Solvents are reused through distillation where applicable

6. Construction of Tanks and Bunds

- a. A check dam on a natural stream at the east side of the campus helps maintain the water level of bore wells and open wells



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