

Waste Management Policy

Nims University Rajasthan, Jaipur

Dr. B.S. Tomar City, Jaipur-Delhi Highway, Jaipur - 303121



INDEX

- 1. Introduction**
- 2. Purpose**
- 3. Policy Statement**
- 4. Objectives**
- 5. Organization and Management**
- 6. Action Plan and Waste Management Practices**
- 7. Monitoring and Evaluation**

Waste Management Policy

1. Introduction

NIMS University, established as a leader in education and research, is committed to fostering excellence while ensuring sustainability. Understanding the critical role of scientific waste management in preserving health and the environment, the university takes proactive steps to minimize the adverse impacts of waste.

Proper waste management directly affects human health and the environment, as improper handling can contaminate air, water, and soil, leading to health hazards. NIMS University ensures responsible waste disposal through source-level segregation and conversion of waste into eco-friendly products wherever possible.

Aligned with the **Sustainable Development Goals (SDGs)**, this policy outlines a structured approach to promote environmental stewardship on campus and within surrounding communities.



Waste segregation bins placed at various locations in the campus

2. Purpose

The waste generated by the diverse activities at NIMS University includes general waste, recyclable materials, hazardous chemicals, e-waste, and biomedical waste. The university aims to responsibly manage and minimize waste through efficient practices, promoting a circular economy based on principles of **Refuse, Recover, Reduce, Reuse, and Recycle**.

This policy fosters eco-consciousness among students, staff, and faculty, encouraging them to disseminate sustainable practices in their professional and personal lives.

3. Policy Statement

Nims University will adopt the “best practicable environmental option” for waste management. All stakeholders, including students, faculty, staff, vendors, and contractors, must comply with this policy to meet environmental regulations.

The university ensures that all waste management activities align with the **Solid Waste Management Rules, 2016**, and other applicable legislations. Awareness campaigns will regularly engage the university community to enhance understanding of waste management and environmental conservation.

4. Objectives

The policy objectives are as follows:

- ☐ **Ensure Compliance:** Align waste management practices with current and future legislative standards.
- ☐ **Promote Awareness:** Cultivate environmental awareness and encourage waste minimization, reuse, and recycling across the campus.
- ☐ **Enhance Safety:** Safeguard health and prevent environmental risks through proper waste handling and storage.
- ☐ **Minimize Plastic Use:** Reduce the environmental footprint by minimizing plastic usage.
- ☐ **Encourage Circular Economy:** Promote interconnected practices of waste reduction, reuse, and recycling.
- ☐ **Support Sustainability:** Advocate for holistic and sustainable waste management practices within and beyond campus boundaries.

5. Organization and Management

The waste management framework will be overseen by an **Advisory Board**, consisting of:

- ☐ **Chairperson:** Vice-Chancellor
- ☐ **Member Secretary:** Co-Ordinator (IQAC)
- ☐ **Members:**
 - Dean, Faculty of Science
 - Heads of Departments (e.g., Environmental Sciences, Chemistry)
 - Executive Engineer
 - Two external experts nominated by the Vice-Chancellor

Roles and Responsibilities:

- ☐ **Executive Engineer:** Oversee daily waste transportation and monitor contractor performance.
- ☐ **Heads of Departments:** Ensure the safe disposal of hazardous and general waste.
- ☐ **Students, Faculty, and Staff:** Dispose of waste responsibly and report collection issues.

6. Action Plan and Waste Management Practices

NIMS University implements the following strategies for effective waste management:

Collection and Segregation

- ☐ Install color-coded bins for segregation:
 - **Green:** Wet waste
 - **Blue:** Dry waste
 - **Red:** Hazardous waste
- ☐ Ensure proper separation of biodegradable, non-biodegradable, hazardous, and e-waste at the source.

Disposal and Recycling

- ☐ **Organic Waste:** Convert food and garden waste into compost or biogas for campus use.
- ☐ **Plastic Waste:** Collect and sell plastic items to recycling agencies.
- ☐ **Biomedical Waste:** Dispose of biomedical waste (e.g., bandages, syringes) through incineration.
- ☐ **E-Waste:** Segregate and recycle e-waste through certified agencies.
- ☐ **Liquid Waste:** Treat wastewater through oxidation ponds for landscaping purposes.

Hazardous Waste Management

- ☐ Treat acidic and alkaline waste through dilution and neutralization.
- ☐ Employ a multi-chamber system (gravel, sand, and charcoal) for chemical wastewater treatment.

Innovative Practices

- ☐ Encourage reuse of solvents in laboratories.
- ☐ Utilize vermicomposting for organic waste.
- ☐ Maintain designated landfill zones for non-recyclable solid waste.

7. Monitoring and Evaluation

The university will implement the following measures:

- ☐ **Waste Audits:** Conduct periodic audits to assess waste generation patterns.
- ☐ **Annual Reporting:** Submit progress reports to the Pollution Control Board.
- ☐ **Key Indicators:** Monitor waste reduction, recycling rates, and compost production.

