MITS

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(Deemed to be University under Section 3 of UGC Act, 1956)

POLICY WASTE DISPOSAL – HAZARDOUS MATERIALS

Document Information	Details
Policy Number	MITS/SDG/WDHM-2024/10 | Revision 01 (2026)
Effective Date	23 September 2026
Review Date	23 September 2028
SDG Mapping	SDG 12 – Responsible Consumption and Production

1. Policy Statement

MITS is committed to minimising hazardous and other regulated waste, protecting health and the environment, and ensuring lawful segregation, storage, transfer, treatment and disposal. Laboratory residues shall be assessed according to their chemical properties, rather than being assumed non-hazardous solely because they are dilute. Waste prevention is the preferred approach, followed by safe management of any waste generated.

2. Purpose and Objectives

- Promote waste minimisation and safe handling in laboratories, facilities and campus operations.
- Keep regulated hazardous waste, electronic waste and construction-and-demolition waste in the appropriate management streams.
- Maintain traceable waste inventories, storage and handover records, where required.
- Support institutional SDG 12 and SDG 15 evidence with verifiable records.

3. Scope

The policy covers chemistry and environmental laboratories, electronic equipment disposal, maintenance activities, batteries where applicable, plastic residues and construction-and-demolition waste from University-managed activities. Applicable requirements depend on the classification of each waste stream.

4. Definitions

Hazardous waste: Waste meeting criteria under applicable hazardous-and-other-waste rules, based on its characteristics and classification. E-waste: Discarded electrical or electronic equipment subject to applicable e-waste rules. C&D waste: Debris from construction or demolition, to be handled through its appropriate waste-management route.

5. Policy Provisions

1. Departments shall seek to reduce waste generation through suitable experiment design, procurement and safe reuse practices without compromising educational objectives or laboratory safety.
2. Chemical residues, including chromium-containing solutions and other potentially hazardous chemicals, shall be assessed and handled according to their actual composition and applicable safety instructions; disposal into drains shall not be presumed safe.

3. Waste shall be segregated and labelled by stream, stored securely in suitable containers, and transferred using approved channels and relevant documentation.
4. Electronic equipment and batteries shall be collected separately and transferred through authorised or appropriately registered entities under the relevant rules.
5. Construction and demolition debris shall be segregated and recycled or disposed of through lawful routes. Use as fill shall require technical and environmental suitability, not be assumed acceptable.
6. Wastewater treatment and the sewage treatment plant shall be managed under applicable operational controls; older plant-capacity figures shall be validated before publication.

6. Implementation and Monitoring

Office / Unit	Responsibility
Site Office / Estate / Maintenance	Coordinate waste storage areas, vendor handover and facility records.
Chemistry / Civil / Relevant Laboratories	Maintain chemical inventories, safety procedures and lab waste logs.
Computer Centre / IT / Stores	Track end-of-life electronics and authorised e-waste transfers.
NSS / SDG Cell / IQAC	Support awareness and evidence compilation for periodic review.

7. Monitoring, Safety and Records

Responsible offices shall maintain available waste classifications, inventory or quantity logs, inspection records, safety instructions and vendor documentation. Spills or unsafe storage shall be escalated promptly to designated safety personnel. The absence of documented waste does not establish that no regulated waste is generated.

8. Awareness and Training

Laboratory users and facilities teams shall receive safety and waste-segregation guidance. International E-Waste Day (14th October) and other appropriate events may support awareness and responsible disposal.

Prepared by
SDG Cell Coordinator

(CH. SRINIVAS)

Reviewed by
Assistant Dean Accreditations

(Dr. A. V. Pawan Kumar)

Approved by
Registrar