MITS

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

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

POLICY DEVELOPMENT FOR CLEAN ENERGY TECHNOLOGY

Document Information	Details
Policy Number	MITS/SDG/DCET-2024/08 | Revision 01 (2026)
Effective Date	September 2026
Review Date	September 2028
SDG Mapping	SDG 7 – Affordable and Clean Energy

1. Policy Statement

MITS promotes the adoption and responsible development of clean-energy technologies through campus renewable-energy installations, energy efficiency, research, awareness and low-emission transport initiatives. The University shall evaluate additional opportunities for clean energy and waste-to-resource projects based on technical, environmental, financial and safety considerations.

2. Purpose and Objectives

- Increase the appropriate use of renewable energy and improve the documentation of clean-energy assets.
- Encourage energy-conserving practices, relevant teaching, research and student projects.
- Assess energy-from-waste and cleaner mobility proposals without describing uncommissioned projects as operational.
- Support institutional SDG 7.4.4 evidence and performance monitoring.

3. Scope

This policy applies to University-owned or managed energy infrastructure, rooftop photovoltaic systems, energy-related research and demonstrations, campus transport planning, and proposed bio-energy or other clean-technology projects.

4. Definitions

Rooftop solar PV capacity (kWp DC): Aggregate nominal direct-current module rating, distinct from actual electricity generation (kWh). Clean-energy project: A system intended to reduce the use or environmental effects of conventional energy sources, subject to verified operation. BS-VI: Applicable Bharat Stage VI vehicle emission standard; it does not by itself imply zero-emission transport.

5. Policy Provisions

1. The University shall maintain an updated asset register for renewable installations, including module counts, ratings, locations, commissioning dates and maintenance records.
2. At the 2026 revision, the rooftop photovoltaic assets comprise 478 modules rated at 315 W (150.57 kWp DC) and 404 additional modules rated at 620 W (250.48 kWp DC), totalling 882 modules and 401.05 kWp DC. Installed capacity shall not be reported as energy generated.

3. Metered generation and consumption, where available, shall be separately recorded in kWh with reporting periods and sources specified.
4. Biomass or waste-to-fuel systems discussed in the original policy remain proposals unless commissioning and operation are independently verified; project statements shall clearly identify their status.
5. The Transport Office shall maintain a current vehicle inventory and examine cleaner mobility options. Historical BS-VI fleet counts shall not be restated as current without asset verification.
6. EEE, Mechanical Engineering and related departments shall encourage evidence-based clean-energy research, demonstrations and awareness.

6. Implementation and Monitoring

Office / Unit	Responsibility
Electrical / Estate / Maintenance Office	Maintain PV asset registers, generation records, safety and upkeep.
EEE / Mechanical Engineering Departments	Provide technical evaluation, teaching and clean-energy research support.
Transport / Administration	Maintain current vehicle data and evaluate feasible low-emission mobility.
NSS / SDG Cell / IQAC	Coordinate awareness and consolidate validated SDG evidence.

7. Monitoring and Evidence

Annual reviews shall separately report installed PV capacity (kWp DC), metered electricity generation (kWh), operation and maintenance issues, verified fleet information and the status of proposed energy projects. No emission reduction, energy saving or commissioning claim shall be published without credible supporting data.

8. Awareness and Training

National Energy Conservation Day (14th December) and campus awareness activities may be used to promote efficient energy use and clean technologies. Event documentation and technical records shall be retained.

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