



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi

NAAC Accredited with A+ Grade,

NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA.



POLICY DEVELOPMENT FOR CLEAN ENERGY TECHNOLOGY

Policy Number : MITS /SDG/DCET-2024/08

Effective Date : September 2024

Review Date : September 2026

SDG Mapping:

SDG 7 – Affordable and clean energy

1. Policy Statement

MITS, Madanapalle policy development for clean energy technology focuses on the utilization of renewable energy sources, and energy from waste products aiming to conserve the energy, reduce environmental impact, and waste.

2. Purpose

- The primary purpose of developing clean energy technology is to create a sustainable energy system that reduces reliance on fossil fuels, mitigates climate change, and improves air quality, ultimately contributing to a healthier planet and a more stable economy.
- To align with the UN **SDG 7.4.4 on Affordable and clean energy** (Policy development for clean energy technology).

3. Scope

This policy applies to:

- The utilization of solar energy and bio- mass energy.
- Steady replacement of the old vehicles with BS6 buses.



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4. Definitions

BS6 buses meet the strict Bharat Standard 6 emission standards. The foremost advantage of BS6 buses is their significantly lower emissions of harmful pollutants. This has a direct positive impact on air quality in urban areas, contributing to the overall health and well-being of residents.

5. Policy Provisions

1. MITS, Madanapalle committed to maintain bio-mass plants to convert food waste into fuel and manure. Currently this is at the proposal level and is expected to materialize soon.
2. This policy paves way for moving towards environmentally benign transport vehicles. Currently there are 17 buses and 6 cars that meet the BS6 standards.
3. As on date, a total of 478 modules of solar energy panels, each with 315W, are installed on roof tops, for solar energy conversion.

6. Implementation & Monitoring

Cells/Departments Responsible	Responsibility
1. EEE Department 2. Department of Mechanical Engineering 3. Transport Department	Policy enforcement and awareness drives
NSS Unit	Conducting sensitization campaigns on energy conservation.



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7. Awareness & Training

- Observe “**Energy Conservation Day**” on either 14th December (National) or 21st October (International) of every year.

8. Review and Amendments

This policy will be reviewed every **two years** by the cells responsible for policy enforcement and awareness drives mentioned in S.no. 6. The policy will also be reviewed earlier if necessitated by government guidelines or institutional needs.

Prepared by

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Approved by

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