

Energy Policy



Lakireddy Bali Reddy College of
Engineering (Autonomous)

Mylavaram – 521230

1. Preamble

This Energy Policy is framed to promote **efficient energy use, conservation, and sustainability** in alignment with national priorities and guidelines of the University Grants Commission.

The institution is committed to reducing its **carbon footprint**, improving energy efficiency, and promoting renewable energy adoption.

2. Vision

To develop a sustainable, energy-efficient campus that minimizes environmental impact and promotes responsible energy use.

3. Objectives

- Optimize energy consumption across campus
- Promote use of **renewable energy sources**
- Reduce greenhouse gas emissions
- Enhance awareness on energy conservation
- Integrate energy management into institutional practices

4. Scope

Applies to:

- Academic buildings
- Laboratories
- Hostels
- Administrative offices
- Transport systems
- Campus infrastructure

5. Energy Management Framework

5.1 Energy Audit (50001:2018)

- Conduct periodic energy audits (internal/external)
- Identify high-consumption areas
- Implement corrective measures

5.2 Energy Efficiency Measures

- Use of LED lighting
- Energy-efficient appliances (BEE star-rated)
- Smart sensors (motion-based lighting)
- Power factor correction systems

5.3 Renewable Energy Adoption

- Installation of solar photovoltaic systems
- Solar water heaters in hostels
- Explore wind/biogas options

6. Sustainable Practices

6.1 Green Buildings

- Natural lighting and ventilation
- Energy-efficient construction

6.2 IT & Digital Practices

- E-governance to reduce paper use
- Power management for computers

6.3 Transport

- Promote public transport, carpooling
- Encourage cycling and walking

7. Institutional Mechanism

Energy Management Committee (EMC)

- Principal – Chairperson
- Energy Manager / Electrical Engineer
- Faculty representatives
- Administrative officer
- Student representative

8. Monitoring & Reporting

- Monthly energy consumption tracking
- Annual energy audit report
- Benchmarking with previous years

9. Awareness & Training

- Workshops on energy conservation
- Student campaigns and clubs
- Observance of Energy Conservation Day

10. Compliance & Standards

Aligned with:

- Bureau of Energy Efficiency (BEE) norms
- National Energy Conservation policies
- NAAC Green Campus initiatives

11. Best Practices

- Solar-powered campus initiatives
- Green building design
- Energy-efficient laboratories
- Student-led sustainability projects

12. Record Maintenance

- Energy bills and consumption logs
- Audit reports
- Renewable energy generation data

The Institute shall continuously review and update the approved policy and is committed to its implementation.

Policy History:

Version	Approved by	Implementation and Monitoring by
V2.0 (Revised)	20 th Meeting of GB held on 31-01-2026	HoD, EEE
V1.0 (Original)	13 th meeting of GB held on 09-01-2021	