

RISE KRISHNA SAI GANDHI GROUP OF  
INSTITUTIONS::ONGOLE



Policy on Energy Management

VERSION 1.0

Doc No: RGAN/Pol/01

Approved By	Date of Release
Governing Body	04-03-2018.

Prepared By

S.No	Name	Dept & DESG	Signature
1	Ch. Shaxat Chandrea	EEE, ASSE-Prof	Ch. Shaxat Chandrea
2	E. Sathya Narayana	MBA, ASSE-Prof	E. Sathya Narayana
3	B. Naga Raju	Mech, ASSE-Prof	B. naga raju





# Policy on Energy Management

## RISE Krishna Sai Gandhi Group of Institutions

### I. Purpose:

To foster a sustainable and efficient energy environment within RISE Krishna Sai Gandhi Group of Institutions, ensuring the optimal utilization of energy resources, minimizing wastage, and promoting eco-friendly initiatives.

### II. Scope:

This policy covers all energy-related activities and initiatives within the campus, including electricity consumption, heating, cooling, transportation, and other associated energy processes.

### III. Policy Statement:

RISE Krishna Sai Gandhi Group of Institutions is committed to reducing its carbon footprint and ensuring a sustainable future. By adopting a rigorous energy management policy, the institution seeks to lead by example in energy conservation, optimization, and sustainable practices.

### IV. Procedures:

#### A. Energy Monitoring:

##### Data Collection:

- Install energy meters in critical consumption areas to track usage.
- Monitor monthly energy consumption data, and analyze trends.

### Energy Audits:

- Conduct biennial energy audits to identify wastages and areas for improvement.
- Collaborate with external agencies for a thorough audit.

### B. Energy Efficiency:

#### Infrastructure:

- Retrofit buildings with energy-efficient materials such as double-glazed windows, LED lights, and energy-efficient HVAC systems.
- Design new buildings considering passive solar design, maximizing natural light and ventilation.

#### Equipment and Appliances:

- Procure ENERGY STAR or equivalent certified equipment.
- Educate staff and students on turning off appliances when not in use.

#### Renewable Energy:

- Explore and invest in renewable energy sources like solar panels.
- Seek grants or partnerships for the implementation of large-scale renewable projects.

### C. Energy Conservation:

#### Awareness Campaigns:



- Organize energy conservation workshops and seminars.
- Encourage students to undertake projects related to energy conservation.

#### Behavioral Changes:

- Promote a culture of turning off lights, fans, and equipment when rooms are unoccupied.
- Use signage and reminders to inculcate energy-saving habits.

#### Transport:

- Promote carpools, cycling, and walking.
- Maintain institution vehicles ensuring they run efficiently and produce lower emissions.

### D. Continuous Improvement:

#### Innovation:

- Encourage research in energy management and sustainable practices.
- Adopt innovative solutions proposed by students or staff.

#### Feedback Mechanism:

- Implement a system for students and staff to suggest energy management improvements.
- Regularly review and incorporate feasible suggestions.

### V. Roles & Responsibilities:

#### Energy Management Team:

- Oversee the implementation of the energy management policy.

- Coordinate with external agencies and vendors.

#### Maintenance Department:

- Monitor the energy consumption of equipment and machinery.
- Ensure timely maintenance to prevent energy wastage.

#### Faculty and Students:

- Actively participate in energy conservation initiatives.
- Report wastages and suggest improvements.

### VI. Budget:

#### Allocation:

- Dedicate a portion of the annual budget specifically for energy management initiatives.
- Review and adjust based on consumption trends and innovative project proposals.

#### Return on Investment:

- When investing in energy-saving equipment or infrastructure, calculate the expected return on investment to ensure financial feasibility.

### VII. Review:

The energy management policy will be reviewed as and when required to accommodate the evolving needs of the institution, regulatory requirements, and advancements in energy management technologies.