

# Energy Conservation and Use of Alternate Source of Energy Policy

MSRUAS/REG/ECA POL/2020-21



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UNIVERSITY**  
OF APPLIED SCIENCES

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***This Policy entitled "Energy Conservation and Use of Alternate Sources of Energy"***

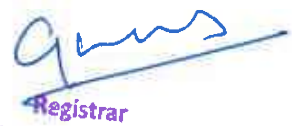
***is applicable to all Faculties of MSRUAS***

***from the Academic Year 2020-21***

***(As per the SRAs of the respective Faculty)***



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## **A. Energy Conservation and Use of Alternative Sources of Energy**

### **A.1 Purpose**

This “Policy Document on “Energy Conservation” describes the policies of RUAS and provides guidelines for optimal and efficient usage of energy in the University Campus promoting sustainability and responsibility towards society and environment.

### **A.2 Background**

Ramaiah University of Applied Sciences, Bengaluru, being a part of the reputed Ramaiah Group of Institutions, is committed to responsible utilization and protection of natural resources. As a leader in Higher Education, RUAS consciously embraces policies towards responsible and efficient energy consumption thereby declaring its responsibility towards sustainable development of humanity.

### **A.3 Statement of Policy**

The Policy of MSRUAS is to promote responsible energy utilization promoting sustainable development, by consciously adopting energy conserving practices. MSRUAS will develop and adopt best practices to minimize wastage and over-consumption of energy. MSRUAS will develop sustainable and innovative solutions to conserve / control energy resources. The University is committed to compliance of all applicable laws and regulations. The University will involve all the employees and other stake holders in attaining excellence in Practices leading to energy conservation and efficiency maximization.

### **A.4 Policy Objectives**

The long-term goals of RUAS in adopting a Energy Conservation Policy are:

- i. To assess the energy usage and measure its impact on the environment
- ii. To install photovoltaic solar panels for the generation of alternative energy
- iii. To install LED bulbs in the entire campus to save energy
- iv. To take additional measures to continually optimize energy consumption
- v. To develop and maintain an Energy Management System based on ISO:50001
- vi. To ensure availability of necessary resources to achieve the objective

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- vii. To adopt usage of advanced technology to minimize energy consumption
- viii. To encourage green initiatives promoting sustainable energy consumption
- ix. To collaborate with government agencies, and local organizations to work in the areas of energy conservation and sustainable development
- x. To monitor and respond to emerging energy issues
- xi. To percolate awareness among employees and students towards best practices promoting optimal energy utilization
- xii. To conduct energy audit periodically

This policy will be communicated to the students and employees via internal communication channels, and will be made available to all the stakeholders on the institutional website. The Energy policy, objectives and Targets will be reviewed on a regular basis by the governance team and necessary progressive changes will be incorporated.

#### **A.5 Use of Alternate Sources of Energy**

- The University will promote use of alternate sources of energy such as Solar Energy, Windmill and Biogas
- The University will procure and commission Solar Power Panels in its premises to meet the demands of electrical energy
- The University will wheel back to the suppliers grid any surplus power generated by Solar Panels
- The University will procure and commission Biogas plant to reduce the consumption of LPG. The waste generated by kitchen, hostels and eateries in the campus will be utilized for generation of Biogas.

## **A.6 Policy Implementation by Individuals**

All employees and students of RUAS shall comply with the following guidelines

### **A.6.1 Energy Conservation**

- Use Natural Light when and where possible
- Turn off lights, fans and air-conditioners when not in use
- Turn off Computers, speakers, projectors and all other electrical equipment at the end of every working day
- Use power saving mode / sleep mode for computers when not in use
- Use stairs wherever possible
- Bring to the notice of Facilities Department malfunctioning of any equipment, switch, lights, fans and other appliances
- Participate actively in all awareness / promotional activities and events towards energy conservation

### **A.6.2 Policy Implementation by the Institution**

The Leadership of RUAS shall comply with the following guidelines

#### **A.6.2.1 Installation and procurement**

- Procure and Commission Solar Panels within the campus to tap solar energy for inhouse consumption
- Procure clean energy from Electricity Supply Companies to meet the energy needs of both campuses.
- Ensure that more than 50% of such energy procured is from renewable sources
- Procure and Commission Biogas plant to ensure that:

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- The food waste and kitchen waste is utilized for generation of biogas
- The requirement of LPG used in the kitchens is reduced considerably
- Procure and Commission Wind Mill to tap wind energy

#### **A.6.3 Governance**

##### **A.6.3.1 Energy Conservation**

- Ensure proper maintenance of all electrical equipment, Water Equipment, STP, accessories and appliances
- Ensure that purchased equipment are environment friendly and / or meet efficiency standards set by the Bureau of Energy Efficiency (BEE)
- Proactively take up installing new equipment for saving energy and water wherever applicable. This includes but not limited to

- installing LED Bulbs in place of CFL / Fluorescent Bulbs,
- installing sensor based energy conservation practices in all classrooms, laboratories, staff rooms, meeting rooms, toilets and other utility areas
- installing sensor based taps in all toilets

- Conduct Switch-Off Drills every day at pre-determined intervals and maintain a log register of such drills. This will be conducted in all blocks in both Campuses
- Support renewable and carbon-neutral electricity options during any purchasing process
- Strive to purchase electricity from a company which invests in new sources of renewable and carbon-neutral energy

##### **A.6.3.2 Awareness**

- Conduct awareness campaign on energy conservation, through lecture sessions, webinars, street plays and seminars
- Conduct awareness program on sustainable development