

Energy-efficient Renovation & Building Policy

Policy No. ERBP 2023

KARE/IQAC/ERBP/2023/02



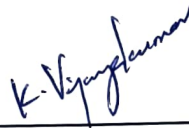



Approved by BoM on 29.06.2023

KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION
(Deemed to be University)
(Under the section 3 of the UGC Act 1956)
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Policy Preparation and Verification Team

Prepared : 2023

Prepared by	Dr.K. Vijayakumar Associate Professor/EEE	
Reviewed by	Dr. A. Ramkumar HoD/EEE	
Recommended by	Dr. C. Sivaprakasam Director/IQAC	
Approved by	Dr. S. Narayanan Vice Chancellor/KARE	



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Anand Nagar, Krishnankoil - 626 126

Energy-efficient renovation and building Policy

Policy Statement:

Compliance with Government Regulations:

The Institution is dedicated to adhering to government regulations regarding environmental protection and energy conservation during the refurbishment of old buildings and the construction of new ones. Below are the key commitments:

Green Building Certification: All new buildings will comply with **SDG** of the Green Building Label certification process.

Energy-Efficient Air Conditioning:

- Split-type air-conditioners will be purchased in accordance with the latest with Level 1 energy efficiency standard regulations.

LED Lighting:

- Installation of LED energy-saving lamps (efficiency > 100 lm/w) during the construction of new buildings and refurbishment of old ones.

Energy Efficient fans:

- Installation of Energy efficient BLDC fans (less than 35W instead of 72W) during the construction of new buildings and refurbishment of old ones.

Smart Lighting Controls:

- Light switches in public areas will be replaced with motion sensor switches or timers to enhance energy efficiency.

Power Transformers:

- All installed power transformers will be amorphous, environmentally friendly, and energy-saving, reducing core loss by 80% compared to traditional iron cores.

Photovoltaic Solar Cells:

- By the end of 2030, the institution has planned to produce 75 % of its energy through photovoltaic solar cells, supporting government policies for clean energy and zero carbon emissions.

The Special Officer, Estates shall ensure the policy implementation and shall report the progress to the Vice Chancellor Periodically.




Vice-Chancellor

Copy submitted to the Chancellor & Vice Presidents - for the favour of information
CC to: Registrar, Controller of Examinations, Directors and Deans
CC to: All HoDs with request to circulate among Faculty members and Web Admin