

POLICY FOR ENERGY-EFFICIENT RENOVATION AND BUILDING

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Responsible Executive : Director (IQAC)

Responsible Office : Internal Quality Assurance Cell, Estate Office, and
SDG Cell

Contacts : Registrar, Director (IQAC)

7.1 STATEMENT OF POLICY

The B.S. Abdur Rahman Crescent Institute of Science and Technology is committed to ensuring that all renovations and new constructions on campus adhere to stringent energy efficiency standards. This policy aims to:

- a) Ensure universal access to affordable, reliable, modern energy services.
- b) Increase substantially the share of renewable energy in the global energy mix.
- c) Double the global rate of improvement in energy efficiency
- d) Enhance international cooperation to facilitate access to clean energy research and technology.
- e) Expand infrastructure and upgrade technology to supply modern and sustainable energy services, particularly in developing countries.

7.2 REASON FOR THIS POLICY

This policy is established to promote energy-efficient practices in renovating existing infrastructures and constructing new buildings. By adhering to energy efficiency standards, the Institute aims to reduce greenhouse gas emissions, lower operational costs, and contribute to the global efforts to combat climate change, which aligns with SDG 7 – Affordable and Clean Energy.

7.3 RESPONSIBILITIES

7.3.1 Policy Principles

The Institute shall implement the following principles to ensure compliance with energy efficiency standards:

- a) All renovations and new constructions must achieve recognised building rating systems such as EDGE, IGBC, and LEED.
- b) Sustainable design features, including using renewable energy sources, shall be integrated into all projects.
- c) An efficient waste management plan shall be established to minimize waste and promote recycling.
- d) Rainwater harvesting systems shall be implemented in all new buildings.
- e) Energy conservation shall be prioritized through the installation of energy-efficient appliances and equipment.
- f) Regular audits of energy consumption shall be conducted to identify areas for improvement.
- g) Use of low VOC (Volatile Organic Compounds) materials in construction and renovation to minimize harmful emissions.
- h) Adoption of eco-friendly housekeeping practices using biodegradable chemicals.
- i) Implementation of high reflective roofing materials and green roofs to reduce heat island effects.

- j) Encourage water-efficient landscaping and high-efficiency irrigation technology in new construction projects.
- k) Support R&D activities towards energy-efficient renovation and building.
- l) Enhance national/international cooperation to facilitate access to green building technology.

7.3.2 Dissemination of Policy

- a) Awareness programs shall be conducted regularly for all stakeholders regarding energy-efficient practices.
- b) This policy shall be publicly accessible on the Institute's website and updated as necessary.

7.3.3 Enforcement of Policy

- a) The Director (Planning and Development) and their team are responsible for monitoring compliance with this policy.
- b) Compliance shall be communicated to architects, design engineers, and construction workers involved in projects.



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