Renovations and New Builds Policy

Objectives of the policy

1. To implement projects that minimize or reduce energy use
2. To improve design and construction techniques that reduce heating, cooling, ventilation, and lighting loads
3. To enhance energy efficiency through building upgrades and the replacement of energy-using equipment in existing buildings

Introduction to the policy

In India, nearly one-fourth of the total electricity production was consumed by new and existing buildings. Renewable energy sources and solar passive techniques must be implemented in those buildings to save the energy that would lead to environmental benefits for electrical applications and space conditioning in the built environment.
ECBC 2017 (Energy Conservation Building Code) was launched by the Honourable Minister (IC) for Coal, Mines, NRE and Power on 19th June, 2017, in Delhi and applies to large commercial buildings. ECBC focuses on the building envelope, mechanical systems and equipment, including heating, ventilating, and air conditioning (HVAC) systems, interior and exterior lighting systems, electrical systems, and renewable energy. It also takes into account the five climate zones (Hot Dry, Warm Humid, Temperate, Composite and Cold) present in India.

Guidelines from Public Statutory and Non-Statutory Bodies/ Committees.

Guidelines can be followed as per National Building Code of India (Part 11) – Approach to Sustainability.(Annexure -1)

Importance and Implementation at KPRIET

The main importance of implementing energy efficiency policy in KPRIET is to make buildings and build environment energy efficient and environmentally compatible through introducing the guidelines mentioned in NBC (Part 11).

Responsible Statutory and Non-Statutory Bodies/ Committees at KPRIET

1. Building and Works Committee (BWC)
2. Professional Society – (IAEMP, ISHRAE, The Institution of Green Engineers)
3. Renewable Energy Lab

Meeting Frequency

Monthly Once

First Implemented on	First Revision on	Last Revision on
11.06.2018	19 July,2023	9 July,2025

Details of Policy Framing Committee

Dr.R.Dharmaraj, AsP/Civil
Dr.K.S.Elango, AsP/Civil
Dr.R.Saravanakumar, AP(Sr.G)/Civil
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