

ENERGY EFFICIENT POLICY AND RENOVATION

Purpose:

To promote energy conservation, reduce greenhouse gas emissions, and enhance sustainability in building renovations by adopting energy-efficient practices. This policy aims to make energy-efficient renovations the norm, benefiting property owners, communities, and environment through reduced energy consumption, cost savings and a lower carbon footprint.

Objectives:

- **Enhance energy efficiency** in buildings by adopting advanced technologies and optimized designs to reduce overall energy use.
- **Minimize environmental impact** by reducing greenhouse gas emissions and lowering the carbon footprint of buildings.
- **Boost indoor comfort and health** through the installation of energy-efficient systems that improve air quality and thermal comfort.
- **Generate long-term financial savings** by lowering energy costs through efficient upgrades and smart energy management.
- **Support environmental sustainability** by integrating renewable energy sources and utilizing eco-friendly materials in building renovations.

Implementation Strategies:

- Replacement of Transformers.
- Changing to Efficient Pumping Systems.
- Upgrading capacitors banks for power factor correction.
- Energy efficient heavy equipment's for Centralized Air Conditioning Systems, water cooled Chillers and cooling towers.
- Energy efficient interior and exterior lighting systems throughout the campus.
- CFC free refrigerators and air conditioning systems to be used.

Renovation of buildings for energy efficiency

- Enhanced natural light and ventilation
- For better comfort and cleanliness, Clean room standards will be implemented for ICU's and OT's.
- Enhance filtration levels for indoor air quality purpose.

