

# *Energy Policy (Usage Certificate)*

**As per the Indian Green Building Standards**

Prepared by

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## **Greenvio Solutions**

An environmental and architectural design consultancy (Socio-environment responsibility)

Motto: Developing Healthy and Sustainable Environments

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Proposed for the prestigious

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# Energy Policy

**DISCLAIMER** – This policy has been prepared by team 'Greenvio Solutions' based on audit. The inferences are used as a base in formulating the policy. The implementation is dependent on Institutional capabilities. Thus, presented plan of action is a feasible document to be practiced by the stakeholders.

## Policy statement

The said policy is applicable for the **academic year 2022-2023 and 2023-2024**. The study emphasizes on the existing consumption patterns, strategies adopted, and inferences that can improve power and utilization pattern.

## Policy usage (Energy loads)

- The calculated electrical load (power consumption) of the premises is *7,35,992 kWh*
- The conventional ceiling fans attributing the Cooling loads due to inefficient appliances contribute *2,34,456 kWh to the existing loads of 2,54,290 kWh; Efforts to replace the conventional fans with energy efficient appliances to make the premises a 100% energy efficient appliance premises will be explored*
- The conventional lights (Non-LED, CFL, Tungsten) contribute *69,170 kWh to the existing loads of 91,522 kWh; Efforts to replace conventional lights with energy efficient appliances to make premises a 100% energy efficient appliance premises will be explored*
- Avoid the air conditioning (Cooling) loads *and use of natural ventilation instead of artificial cooling; furthermore explore options to reduce existing air conditioning loads amounting 65,378 kWh*
- The other loads that do not contribute negative kWh include LED lights and equipment

## Policy objectives

- Facilities intervention to *reduce electrical load through alternate sources* of energy
- Additional measures towards *stakeholder sensitization* programs

## Policy implementation

- *Display board for technical knowledge of the renewable systems adopted*
- *Documentation of the facilities* with inputs on switchboards/ main boards/ switches etc

## Policy history

The AICTE Environment Policy 2020 was referred to draft this policy.