Energy Policy (Usage Certificate)

As per the Indian Green Building Standards

Prepared by

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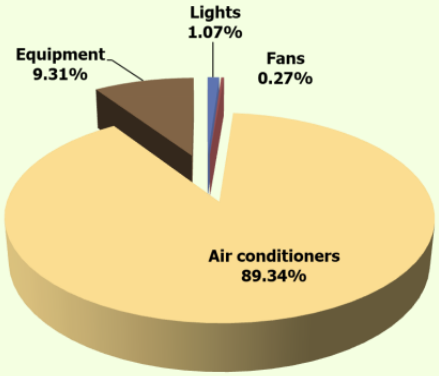
Energy Policy

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 2021-2022 and 2022-2023.** 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 **41,02,630 kWh** (electrical study)

The adjacent graph shows **air conditioners consume 89.34%** while the **equipment consume 9.31%** whereas the **lights consume 1.07%** and the **fans consume 0.27%** of total calculated electrical energy.

Figure 1: Summary of the calculated electrical consumption

Policy objectives

- Regularize the energy usage as a consistent activity.
- Explore the opportunity for hybrid mode of alternate sources of energy.
- Understand module to switch to carbon-free campus through transit modes.

Policy implementation

- Increase **stakeholder sensitization** about importance of energy conservation.
- **Reduce the air conditioning loads** which stands at **36,65,475 kWh** after due discussions with external experts.
- **The entire premises uses LED in the indoor and outdoor areas, this practice to be continued.**
- **Reduce the conventional ceiling fans consumption** which stands at **8,836 kWh among the 11,237 kWh consumed by fans** and replace same with energy efficient appliances.

Policy history

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