

Energy Policy (Usage Certificate)

As per the Indian Green Building Standards

Prepared by

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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 2020-2021 and 2021-2022**. The study emphasizes on the existing consumption patterns, strategies adopted, and inferences that can improve power and utilization pattern.

Policy usage (Energy loads)

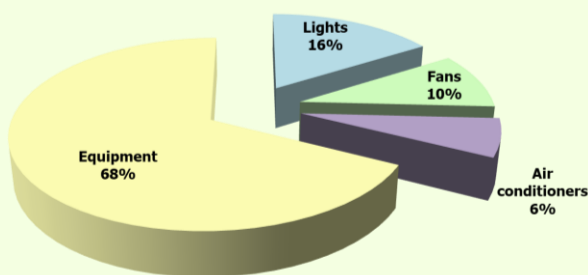


Figure 1: Summary of the calculated electrical consumption

The calculated electrical load (power consumption) Of the premises is **2,94,786 kWh** (electrical study)

The adjacent graph shows the **equipment consume 68%** each while the **lights consume 16% whereas the fans consume 10% and the air conditioners consume 6%** of the total calculated electrical energy.

Policy objectives

- Regularize the energy usage as a consistent activity.
- Improve the indoor lighting inside the premises at certain locations.
- 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 **19,400 kWh** after due discussions with external experts.
- **Reduce the conventional ceiling fans consumption out of the total energy consumed by fans** which stand at **28,038 kWh** and replace the same with energy efficient appliances.
- **Since the entire campus is a 100% LED lights (Energy efficient appliance) the consumption pattern about energy consumed by lights does not require an update.** However, whenever the existing lights wither out the same shall be replaced with LED lights.

Policy history

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