Energy Policy (Usage Certificate)

As per the Indian Green Building Standards

Prepared by

External Expert: Ar. Nahida Abdulla

(ASSOCHAM GEM Certified Professional – Registration no. 22/718)

Greenvio Solutions

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

Motto: Developing Healthy and Sustainable Environments

greenviosolutions@gmail.com

Website: https://thegreenviosolutions.co.in/

Proposed for the prestigious

Maharashtra Shikshan Samiti's

Maharashtra Mahavidyalaya, Nilanga

Main Road, Nilanga, District Latur, Pin – 413521 (Maharashtra), India

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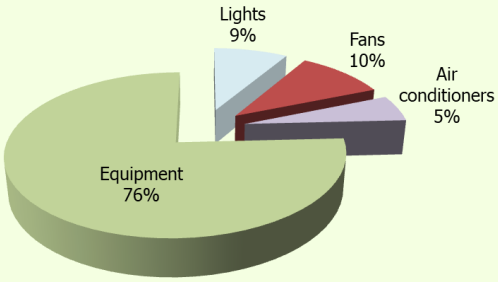
Energy Policy

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 **2,05,883 kWh** (electrical study)

The adjacent graph shows **equipment consume 76%** whereas the **fans consume 10%** while the **lights consume 9%** and the **air conditioners consume 5%** of total calculated electrical energy.

Figure 1: Summary of the calculated electrical consumption

Policy objectives

- Switch to alternate sources of energy consumption
- Reduce the artificial electrical loads and utilize natural ventilation

Policy implementation

- Increase the usage of energy through alternate sources such as wind mill or solar panels
- **Reduce the lighting loads consumption of non-energy efficient appliance (Non-LED)** which stands at **8,051 kWh out of the 17,627 kWh consumed by lights** further replace the same with energy efficient appliances.
- **Reduce the air conditioning loads consumption** which stand at **11,115 kWh,** further devise sources to utilize natural ventilation for comfort purposes.
- **Reduce the conventional fans (Cooling) loads consumption** which stand at **19,947 kWh out of the 21,101 kWh consumed by fans** further replace the same with energy efficient appliances to make the premises a 100% energy efficient appliance premises.

Policy history

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