

Energy Policy (Usage Certificate)

As per the Indian Green Building Standards

Prepared by

External Expert: Ar. Nahida Abdulla

(GBP – Registration no. 22/718)

Greenvio Solutions

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

Motto: Developing Healthy and Sustainable Environments

greenviosolutions@gmail.com

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



Proposed for the prestigious

Shivneri Mahavidyalaya

Taluka Shirur Anantpal, District Latur, Bhingoli Road, Latur-413544 (Maharashtra State), India

Date of preparation of policy: 18 January 2024

Policy no: GV/ PL/ 01-24/ ZP-1

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 *63,993 kWh*
- ⇒ The Non-LED (Energy efficient) lights contribute *9,671 kWh to the existing loads; efforts to replace the same with energy efficient lights will be explored.*
- ⇒ The conventional ceiling and exhaust fans (Cooling loads) contribute *4,270 kWh to the existing loads, efforts to replace the conventional fans with energy efficient appliances to make the 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.*

Policy objectives

- ⇒ Increase the alternate sources such as *alternate sources such as solar streetlights, solar parking, solar tree, windmills, and geothermal modes for energy consumption and production purposes.*
- ⇒ Furthermore, consistent *stakeholder awareness through print and digital media on such subject will be beneficial for sensitization activities.*
- ⇒ Explore opportunity for solar farms, document the same and share with other organizations.
- ⇒ Sensitize local villager and take environmental initiative about Green energy to local villagers

Policy implementation

- ⇒ The documentation and study of usage of alternate sources of energy consumption to march towards being *a Nearly Zero/ Net Zero or a Net Positive Campus*
- ⇒ *Sensor appliances* to reduce the mandatory energy consumption with channelized plan of action

Policy history

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