

Energy Policy (Usage Certificate)

As per the Indian Green Building Standards

Prepared by

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

Motto: Developing Healthy and Sustainable Environments

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Proposed for the prestigious

Sree Narayana Guru College of Commerce

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Policy no: GV/ PL/ 11-24/ FT-1

Energy Policy

Policy statement

The said policy as a 'Plan of Action' is based on study of **academic year 2023-24 to be executed in academic year June 2024 up to May 2025**. The study emphasizes on existing consumption patterns, strategies adopted, and inferences that can improve power and utilization pattern.

Policy usage (Energy loads)

- The total amount spent is Rs. 10,71,806/-
- Total units consumed was 1,44,269 kWh (Only Electrical)
- The total units consumed in past one year is zero units (Only solar)
- Alternate source of energy is available in the form of 'Renewable mode' through rooftop solar panels installed in April 2024 but functional after monsoon; thus no energy consumption through solar during study period (June 2023 to May 2024) considered.

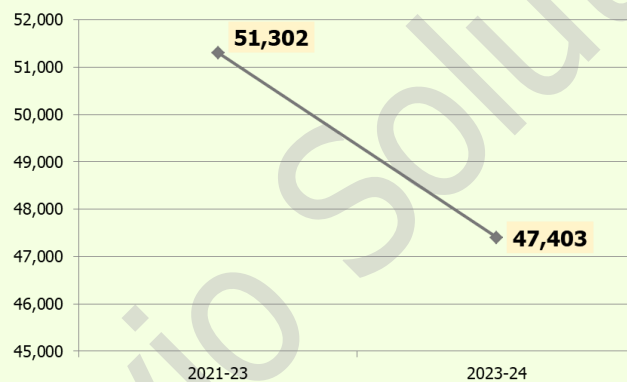


Figure 1: Comparative study of electrical requirement in kWh

There has been a decrease of 3,899 kWh in the energy requirement. (Note: This comparison excludes equipment as the same was not shared for this year). This highlights a positive update.

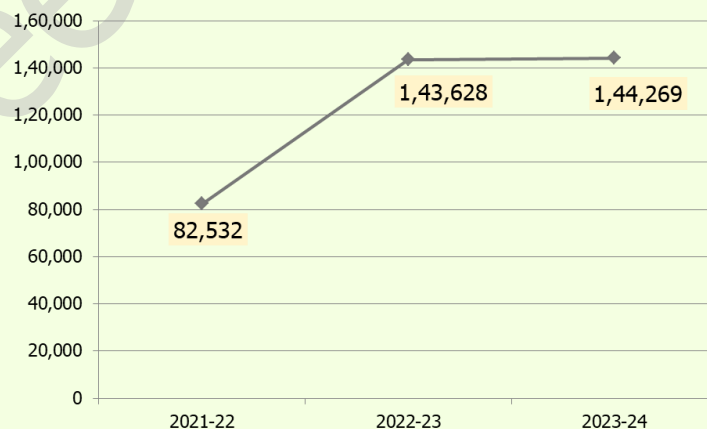


Figure 2: Comparative study of total energy consumed as per bills (in kWh)

As compared to past two years (2021-22 & 2022-23) there has been an increase in the energy consumption as per above study. While compared to 2022-23 and 2023-24 there has been a marginal increase of only 641 kWh units. Since the solar panels have been installed and functional very recently the impact of the same shall take a while to reflect.

Policy objectives

Measures towards *stakeholder sensitization* and power, life-safety management

Policy implementation

- Highlight the corridors in light green highlighter; Signify the outline of staircase block; Include a symbol on lift and note on plan 'Do not use lift' Highlight the locations of fire extinguisher in a blue or brown box and mention same in legend; Include 'You are here' indication on the route plan
- The switches should be indicated
- There should be a display board about renewable energy information displayed
- Display an instruction manual at public spaces about First aid in electric shock
- Wherever there is a fire extinguisher display the PASS board in English and local language
- Introduce sand buckets inside the store area.
- Remove the unwanted electrical connections and wiring
- The areas where heavy electrical appliances/ loads/ panels/ generators are kept should be demarcated 'Danger zone' as a signage display.
- A board about 'Prevent electrical accident' should be displayed in English and local language
- Rubber mats should be kept for about a distance of 2m

Policy history

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



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