Green Building Management Policy

As per the Indian Green Building Standards

Prepared by

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Motto: Developing Healthy and Sustainable Environments

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Proposed for the prestigious

St. Aloysius Degree College

Sarvagna Nagar, Cox Town, Bengaluru – 560005, India

Date of preparation of policy: 21 April 2024

Policy no: GV/ PL/ 04-24/ ZZA-3

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Green Building Management 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.*

The said policy as a 'Plan of Action' is applicable for **academic year 2022-23 and 2023-24.**

- **Increase the green awareness practice** - In terms of the *physical and virtual events* which will be beneficial for all stakeholders including governmental initiatives.

- **Educate the stakeholders in following ways**
  - Introduce *slogans in local and national language* on the compound wall giving the message of saving the environment
  - Housekeeping staff through *monthly or quarterly programs* related to waste management
  - Every stakeholder about water conservation/ avoid water wastage by *displaying board* at every wash room
  - Prepare *specific instructions for cleaning and sanitizing*

- **Measures towards waste management as per the research** – Improve and initiative steps towards the following specific typologies as a priority
  - *Organic waste*
  - *Paper waste*

- **Measures towards water awareness**
  - *Colour demarcation* of the service areas – pits, bunds
  - *Data documentation* of the facilities

- **Introduce campus maintenance and operations work such as**
  - Conduct *regular checks and reuse waste water*
  - *Practice pest control programs* and introduce amenities for hygiene

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St. Aloysius Degree College, Bengaluru, Karnataka

Environment Policy (Usage Certificate)

As per the Indian Green Building Standards

Prepared by

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Environment Policy

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Policy statement

The said policy is applicable for the **academic year 2022-2023 and 2023-2024.** The study helps to denote positive and negative aspects of the site context w.r.t. ecological parameters.

Policy motive (Green cover)

- *Enhancement of the green cover* in unexplored areas of the site
- *Documentation* of the plantations through numbering, coding and data recording
- *Extension* of the ecological cover outside the premises in nearby areas
- *Stakeholder sensitization* of the flora and fauna within the premises

Policy implementation

- *Introduce water and bird feeders* to be sensitive towards the fauna stakeholder of site
- *Numbering* the plantations that include potted and natural plantations in the premises
- *Increase the green cover* through vertical gardens (using recycled materials) for dead ends/ dead walls/ duct and building service areas
- *Enhance the compound wall* with awareness messages about environment preservation
- *Introduce organic farming/ kitchen garden practices* for stakeholder benefit
- *Improve the urban heat island effect* on all rooftops by introducing Cooltop initiative

Policy history

The Indian and International Green Building Standards were referred to draft this policy.

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Energy Policy (Usage Certificate)

As per the Indian Green Building Standards

Prepared by

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Date of preparation of policy: 21 April 2024

Policy no: GV/ PL/ 04-24/ ZZA-1

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Energy Policy

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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 *1,40,888 kWh*
- The conventional ceiling fans attributing the Cooling loads due to inefficient appliances contribute *19,203 kWh to the existing loads out of the total load (20,307 kWh); 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; furthermore explore options to reduce existing air conditioning loads amounting 15,722 kWh*
- The conventional lighting (Non-LED) attributing *5,070 kWh to the existing loads out of the total load (13,055 kWh) efforts to replace the conventional lighting with energy efficient appliances to make the premises a 100% energy efficient appliance premises will be explored*
- The other loads that do not contribute negative kWh include LED light and equipment

Policy objectives

- Facilities intervention to *reduce electrical load through alternate sources* of energy
- Additional measures towards *stakeholder sensitization* programs

Policy implementation

- *Display information* about energy preservation for awareness and vigilance
- Identification of *danger zones and adopting safety measures* towards those areas
- *Fabrication* of all the electrical wirings and additional steps to avoid any mishaps
- *Documentation of the facilities* with inputs on switchboards/ main boards/ switches etc

Policy history

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

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