



Vidya Prasarak Mandal's  
**DR. GHALI COLLEGE**  
**GADHINGLAJ**  
Affiliated to Shivaji University



**DR. GHALI COLLEGE, KOLHAPUR**

**Criterion: 7**  
**Institutional Values and Best Practices**

**7.1.2 The Institution has facilities Energy conservation Management of degradable and non-degradable waste Water conservation facilities Green Campus Initiatives Disable friendly, barrier free environment**

**POLICY DOCUMENTS ON ENVIRONMENT**

  
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Principal  
Principal  
Dr. Ghali College  
Gadhinglaj, Dist. Kolhapur

# *Green Building Management Policy*

**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](mailto:greenviosolutions@gmail.com)

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



Proposed for the prestigious

**Vidya Prasarak Mandal's**

**Dr. Ghali College**

Gadhinglaj, Bhadgaon Road, Gadhinglaj - 416 502, Maharashtra, India

Date of preparation of policy: 07 November 2023

Policy no: GV/ PL/ 11-23/ ZG-3

# *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 is applicable for the **academic year 2020-2021 and 2021-2022.**

- ➔ Take certain provisions for **Green Building parameters** to be implemented in a cost-effective manner through consultancy with corporates.
- ➔ **Social practices through green management** - Continue the number of practical and virtual activities under social welfare and community development initiatives for the students and staff, develop green-oxi-breakout-waste-eco zones in & around campus.
- ➔ **Water Management** - The water conservation measures of water efficient appliances, water harvesting etc. for conservation shall be extended to nearby villagers etc.
- ➔ **Waste Management** – Adequate measures shall be taken towards organic, paper, e-waste and plastic waste management through sensitization programs and actual activities for students and nearby villagers.
- ➔ Join hands with local municipal corporations on local, regional, national and international level to develop substantial programmes for **community development** and village beautification through eco-friendly techniques.
- ➔ Increase the **environmental interventions** in the educational programmes and document-reflect-collect first hand review through multiple platforms consistently.
- ➔ Educate the students to undertaken initiatives for the **socio-environmental welfare** for nearby localities and adopted areas.

# *Environment Policy (Usage Certificate)*

**As per the Indian Green Building Standards**

Prepared by

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Policy no: GV/ PL/ 11-23/ZG-2



# Environment Policy

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## Policy statement

The said policy is applicable for the **academic year 2020-2021 and 2021-2022**. The study helps to denote positive and negative aspects of the site context w.r.t. ecological parameters.



Figure 1: Mapping the Green cover in premises

## Policy motive (Green cover)

- ⇒ The College has a team that **maintains 40-50% greenery and landscape** of the shared premises.
- ⇒ The site shall **increase the amount of green cover in the form of green roof, and vertical gardening as and when possible.**
- ⇒ Currently the nos. of plantations stands at 109, as the building is located in a shared campus, the green cover is used for multiple purposes and recreational activities. Though there is a dedicated botanical garden, ample measures to increase green cover within premises shall be undertaken.

## Policy objectives

- ⇒ Regularize site context study as a consistent activity.
- ⇒ Explore opportunity for carbon sequestration study of environment.

## Policy implementation

- ⇒ Increase **stakeholder sensitization** about:
  - Eco-sensitive zones in and around campus
  - First hand measure on local scale to improve the environmental ambience
  - Environment related materials in the library
  - Green practice initiatives for societal development
  - Invite organizations to educate masses about eco-friendly opportunities.
- ⇒ **Increase the green cover along courtyards and duct areas through vertical plantations** after discussion with external experts **to increase the green cover by 40-45%**
- ⇒ **Fire & Life safety practices** enhanced with cooperation of stakeholders and local government.
- ⇒ **Explore opportunities to increase the vertical gardening using waste plastic bottles at multiple locations in premises.**
- ⇒ **Undertake green zone development activities in nearby villages.**

## Policy history

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

# *Energy Policy (Usage Certificate)*

**As per the Indian Green Building Standards**

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Date of preparation of policy: 07 November 2023

Policy no: GV/ PL/ 11-23/ ZG-1

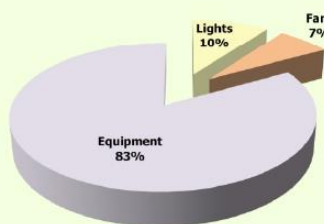
# Energy Policy

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## 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)



The calculated electrical load (power consumption) Of the premises is **1,30,979 kWh** (electrical study)

The adjacent graph shows **equipment consume 83%** while the **lights consume 10%** whereas the **fans consume 7%** of total calculated electrical energy.

Figure 1: Summary of the calculated electrical consumption

## Policy objectives

- Regularize the energy usage as a consistent activity.
- **Increase the energy consumption** for **renewable mode** as alternate sources of energy.
- Undertake sensor based facilities in some spaces to march towards smart campus facilities.
- Spread awareness **about renewable energy strategies to stakeholders - nearby villagers.**

## Policy implementation

- Increase **stakeholder sensitization** about importance of energy conservation.
- **The usage of renewable energy sources to utilize maximum energy as possible.**
- **Reduce the conventional lights consumption** which stand at **6,660 kWh out of the 13,065 kWh consumed by lights** further replace the same with energy efficient appliances to make the premises a 100% energy efficient appliance premises.
- **The air conditioning loads stand at zero at present, this highlights the importance of natural ventilation reliant campus,** efforts shall be taken to maintain the same.
- **Reduce the conventional fans consumption** which stand at **7,775 kWh out of the 9,011 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.