



**Nature's Green Guardians Foundation**

Trivandrum 695 043 India

**Energy Audit Certificate**

**Santhigiri College, Thodupuzha, Kerala for AY 2021-'22**

Energy Audit for the period of academic year 2021-'22 has been conducted for Santhigiri College, Vazhithala, 685583, Thodupuzha, Kerala, in accordance with the International Standards for ISO 14000 family of standards set by ISO TC 207 and its Sub-committees, Bureau of Energy Efficiency Standards, and stipulations under the Energy Conservation Act 2021 of Government of India, and other relevant mandates for maintenance of sustainable and healthy environment for education in the campus.

In our opinion, the Institution has presented true and up-to-date data on relevant activities to the audit team, and appropriate audit procedures have been completed for issuing this Audit Certificate and the Compliance Statement. The recommendations are based on verified data presented as they existed at the time of audit.

The inspection methodology did combine physical inspection of the campus, with analytical reviews of relevant documents and activities, as well as interviews with the Principal, and selected members of Staff and Students of the College.

Audit findings indicate that, of the 162.3 T CO<sub>2</sub> of actual carbon footprint of the institution for the year, the contribution from direct use of electricity and firewood was limited to 26.6 T CO<sub>2</sub>. Transportation including public transport use (outside the campus) is at 91.9 T CO<sub>2</sub> (or 57% of the total). Wastes contributed 16.9 T CO<sub>2</sub>. Wastes to energy thro biogas has potential to be further strengthened as a remedial measure. Effective awareness and training programs were conducted during the year and are planned for the future as well, to make all stakeholders aware of the need for individual efforts.

**Prof. V K Damodaran**

*Ex-UNIDO International Energy Expert  
For NGGF Audit, dated 14 December 2022*

*I agree with the data presented in this report, as true, and further express my willingness to implement the recommendations of this audit report after internal review, even if any or many of them are in excess of the relevant mandates.*

**Fr. Paul Parakkattel, Principal**

*Santhigiri College, Thodupuzha, Kerala*

Date: 14 December 2022

PRINCIPAL  
SANTHIGIRI COLLEGE OF COMPUTER SCIENCES  
VAZHITHALA P. O., THODUPUZHA  
KERALA, PIN : 685 583

Signature & Seal







**Nature's Green Guardians Foundation**

**Green Audit – Energy Audit**

**Compliance Statement for AY 2021 - '22**

**Santhigiri College, Vazhithala, Thodupuzha, 685 583 Kerala**

Overall Objective	Main Objectives	Compliance Status
Ensure that an effective energy management plan is followed in the campus with high degree of energy efficiency and increasing rate of utilization of renewable energy, as also help raise the Climate Change resiliency, which is periodically reviewed and implemented incessantly.	<ol style="list-style-type: none"><li>1. Ensure that there is a competent Energy Management Expert from an external agency, who will provide guidance on Energy conservation and energy transition initiatives.</li><li>2. Ensure that the Energy Conservation Strategy is reviewed annually, progress monitored and achievable and measurable targets set for the future course</li><li>3. Ensure that a Policy on embracing Green energy, energy efficiency, and wastes to energy is evolved, enforced, and reviewed regardless of it exceeding legal mandates.</li><li>4. Ensure that every student and member of staff commits to the lowering of carbon footprint of the institution from all facets of energy use.</li><li>5. Ensure that Energy Audit is conducted annually, with involvement of staff and students and action taken on all the viable recommendations of the linked external expert energy agency.</li></ol>	<p>Ensured continuous support and guidance from NGGFN headed by an International Energy Expert and with multidisciplinary expertise.</p> <p>[Ensured. Vide Section on Energy Efficiency and on Renewable Energy Use in the Green Audit Report of 2021-22.]</p> <p>Ensured. Vide Green Protocol in Green Audit Report of 21-22.</p> <p>Ensured. 2 Training programs organised.</p> <p>Energy Audit conducted and actions for 2022-23 in planning stage.</p>

**Prof. V K Damodaran**

*Ex-UNIDO International Energy Consultant  
For NGGFN Audit Team, dated 14 December 2022*