

ENERGY AUDIT

STUDY PERIOD (TWO YEARS) 2020-2021 AND 2021-2022

Sustainability study

AUDIT REPORT

Studied for
Shri Yogeshwari Education Society's
Yogeshwari Mahavidyalaya

Parli Road, Ambajogai,
District Beed, Maharashtra – 431517

Studied in the capacity of
An accredited & Certified Green Building Professional



Studied by

Valid till **December 2023**

Disclaimer

The Audit Team has prepared this report for the **Shri Yogeshwari Education Society's Yogeshwari Mahavidyalaya** located at Parli Road, Ambajogai, District Beed, Maharashtra – 431517 based on input data submitted by the College analysed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase wise or as a whole depending on the decision taken by the Hon'ble Management and College. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

The audit is a thorough study based on the inspection and investigation of data collected over a period of time and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com

Introduction

About the Institution

The main objective of the institution has been Patriotism, Nation building, Education, Democracy, Secularism and Upliftment of the poor sections of the society. The institution has grown into a large banyan tree during the last eighty years due to the honest, sincere and tireless hardwork.

Assessment of the Institute

The Institute is affiliated to **Dr. Babasaheb Ambedkar Marathwada University**, Aurangabad has been making a major contribution to the field of education for many decades and today it has a world class reputation for research, for teacher education and for its Masters and doctoral programmes.

The following are details of the accreditation awarded by the National Assessment & Accreditation Council (NAAC) to the College.

Cycle	First	Second
CGPA	72.60	2.50
Grade	B	B
Year	2004	2016

Table 1: NAAC Accreditation details of the Institute

The College is due to enter its Third cycle of NAAC.

Total College Area & College Building Spread Area

The **total site area is 17 Acres** and **total Built-up area of College is 50,543 sq. ft.** for **around 1,008 footfalls.**

Energy Audit

The following analysis is combined for entire premise taking into considerations the duration before pandemic to understand the consumption pattern as post pandemic the premise is used only for a few hours.

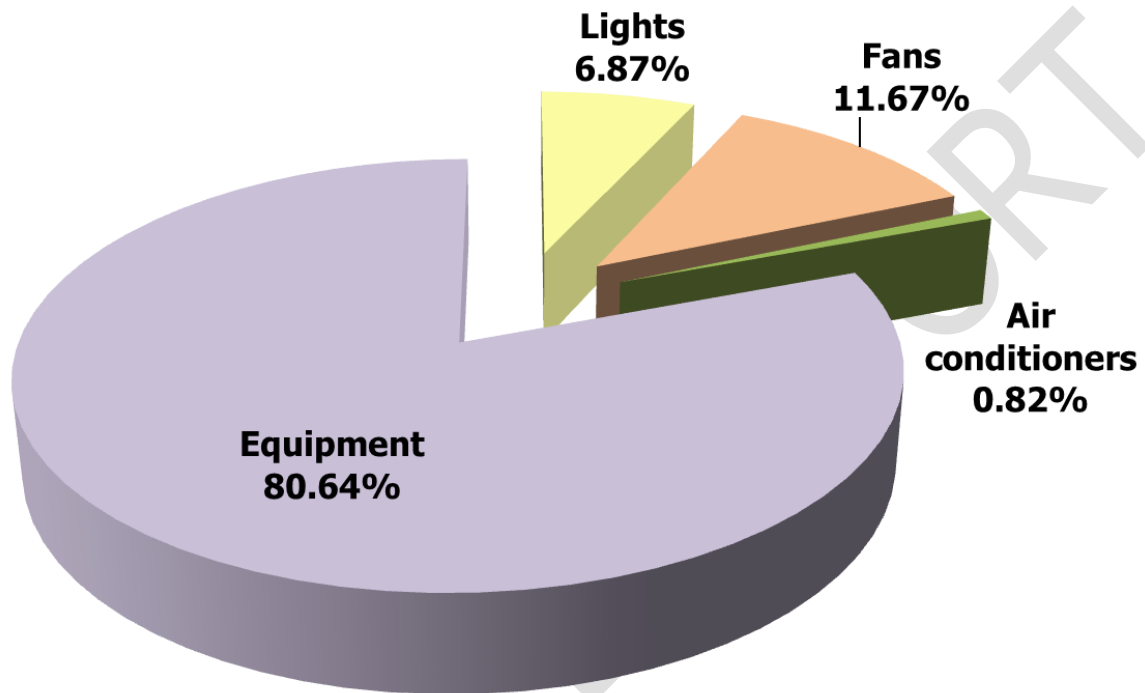


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that Equipment consumes 80.64% followed by fans consuming 11.67% while the lights consume 6.87% whereas the air conditioners consume 0.82% of the total calculated electrical energy.

