

ENERGY AUDIT

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

Sustainability study

AUDIT REPORT

Studied for
Pingla Thana Mahavidyalaya
Maligram, Pingla, 721140,
West Bengal, India

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 **Pingla Thana Mahavidyalaya** located at Maligram, Pingla, 721140, West Bengal, India 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.

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Greenvio Solutions

Developing Healthy and Sustainable Environments

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Introduction

About Pingla Thana Mahavidyalaya

The College is located in purely a rural setting at Maligram, in the south-east region of Paschim Medinipur and possesses an illustrious history of continuous development since its very inception.

The College acquired the privilege of affiliation initially from the University of Calcutta for imparting three year degree courses in Arts and Commerce stream. Subsequently, the college was affiliated to Vidyasagar University, Medinipur in the year 1985.

The extension of affiliation in new courses has led the almatmater to win the distinction of being one of the few pioneering degree colleges not only in Paschim Medinipur, but also in the national scale. **The College is advancing with the effective endeavour to translate its mission and goal as a “Model Rural College.”**

Assessment of the Institute

- ➔ The Institute is affiliated to **Vidyasagar University** which was established by an Act of the West Bengal legislature which was notified in the Calcutta Gazette on 24 June 1981. It is an affiliating university in Paschim Medinipur district of southern West Bengal, India.
- ➔ ISO 9001 – Quality Management Systems
- ➔ ISO 14001 – Environment Management Systems

Total College Area & College Building Spread Area

The **total site area is 25.76 acres** and the **total Built-up area of the Institute is 6,71,260 sq. ft.** for an approximately 2,089 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; the equipment study has been excluded for statistical purposes.

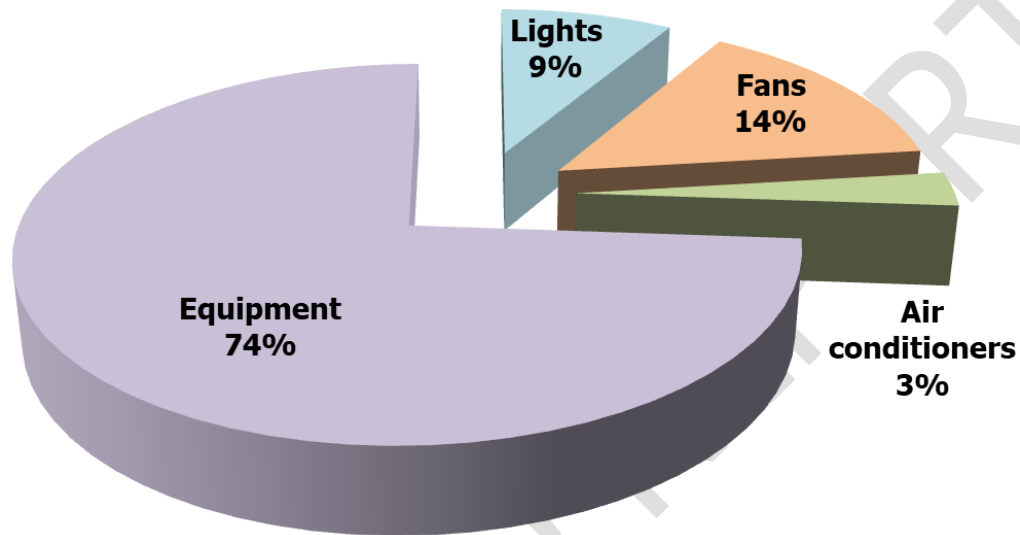


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that equipments consume 74% while the fans consume 14% the lights consume 9% and the air conditioners consume 3% of the total calculated electrical energy.

