

ENERGY AUDIT

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

Sustainability study
AUDIT REPORT

Studied for
Gobinda Prasad Mahavidyalaya
Amarkananda, Bankura, West Bengal,
Pincode -722133, India

Studied in the capacity of
Accredited with IGBC and Certified with ASSOCHAM GEM
Registered Architect & Green Building Professional



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Valid till **March 2024**

Background reference image Janko Ferlic on pexels

Disclaimer

The Audit Team has prepared this report for the **Gobinda Prasad Mahavidyalaya** located at Amarkan, Bankura, West Bengal, Pincode -722133, 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.

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.

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Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

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Introduction

About the Institution and its history

The renowned freedom fighter Gobinda Prasad Singha endeavored to set up a higher educational institute in the remotest part of the Bankura District so that the students can avail adequate facilities.

Total College Area & College Building Spread Area

The **total site area is 1.35 acres** and the **total Built-up area of the Institute is 22,286 sq. ft.** for an approximately 1,191 footfalls.

Energy Audit

The following analysis is combined for entire premise taking into considerations the operating hours of the Institute.

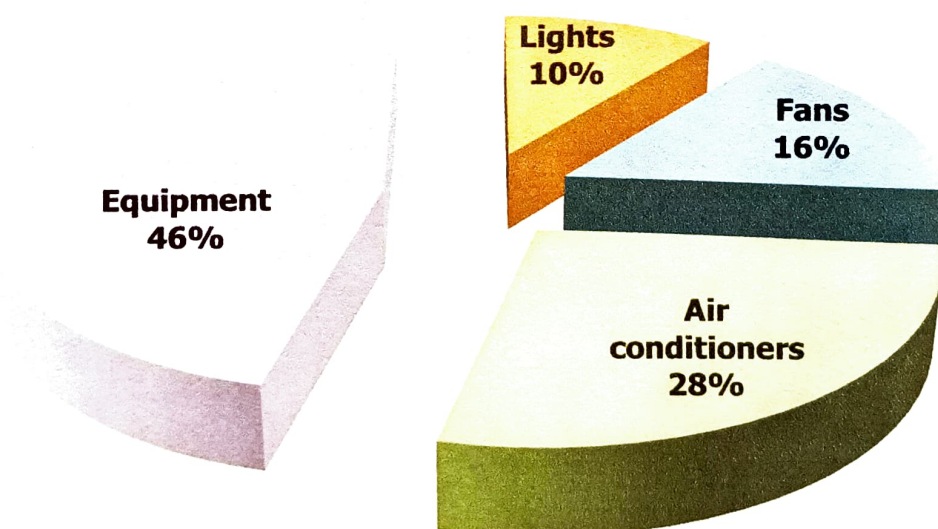


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that equipments consume 46% while the air conditioners consume 28% whereas the fans consume 16% and the lights consume 10% of the total calculated electrical energy.

