

Energy Audit Certificate (As per Green Building Parameters)

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2021-2022 and 2022-2023** to the Esteemed Institution

(Analysed for 2 years and extended validity for 1 year, thus total 3 years)

Sindhu Education Society's (S.E.S.)

Swami Hansmuni Maharaj Degree College of Commerce, Ulhasnagar

BK No. 1704 C.T.S, No. 23909 Sheet No. 40, Ulhasnagar Thane 421004, Maharashtra, India

(Site visit held on 14 December 2022)

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Energy Management and Conservation.

Issued on **Wednesday, 29 March 2023** and valid till **March 2024**


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ENERGY AUDIT

STUDY PERIOD (TWO YEARS) 2021 - 2022 & 2022 - 2023

Sustainability study **AUDIT REPORT**

Studied for
Sindhu Education Society's (S.E.S.)
**Swami Hansmuni Maharaj Degree College
of Commerce, Ulhasnagar**

BK No. 1704 C.T.S, No. 23909 Sheet No. 40,
Ulhasnagar Thane 421004, Maharashtra, India

Studied in the capacity of
Certified Green Building Professional



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Issued on **March 2023** and Valid till **March 2024**

Disclaimer

The Audit Team has prepared this report for the **Sindhu Education Society's (S.E.S.) Swami Hansmuni Maharaj Degree College of Commerce, Ulhasnagar** located at BK No. 1704 C.T.S, No. 23909 Sheet No. 40, Ulhasnagar Thane 421004, Maharashtra, India based on input data submitted by the Institute and analyzed 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 a 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 Institute. 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 while 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

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Introduction

About the Institute

(S.E.S) Swami Hansmuni Maharaj Degree College of Commerce is located in Ulhasnagar town of Thane district of Maharashtra. It got permission from the government of Maharashtra – dated 30/07/2009.

Energy Audit

The following analysis is combined for the entire premise taking into consideration the duration before the pandemic to understand the consumption pattern on a regular day.

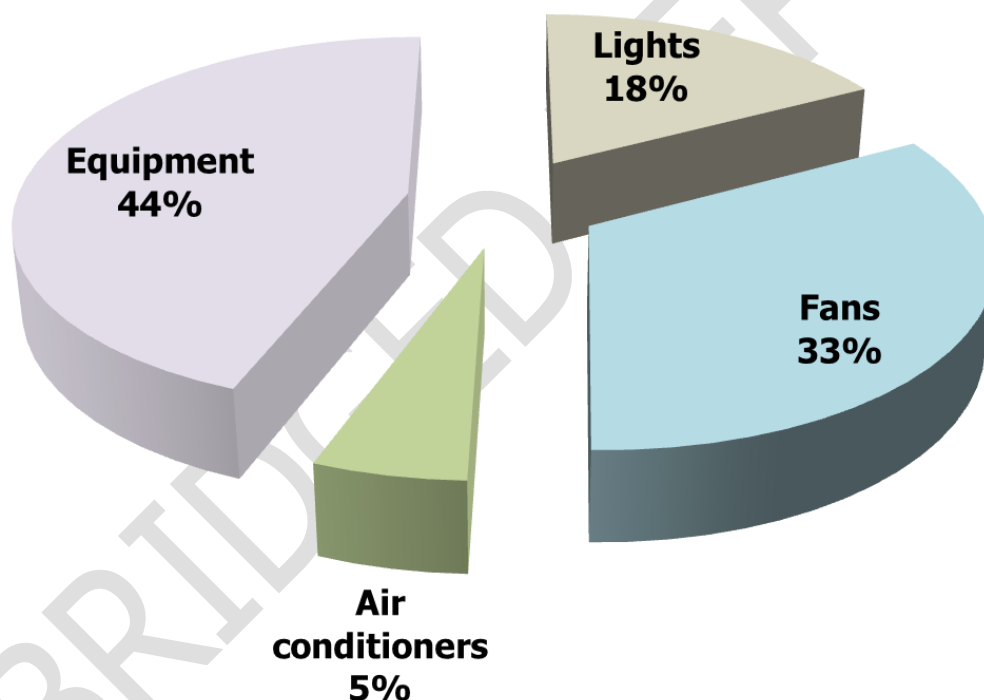


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that equipment consumes 44% while the fans consume 33% whereas the lights consume 18% and the air conditioners consume 5% of the total calculated electrical energy.

