

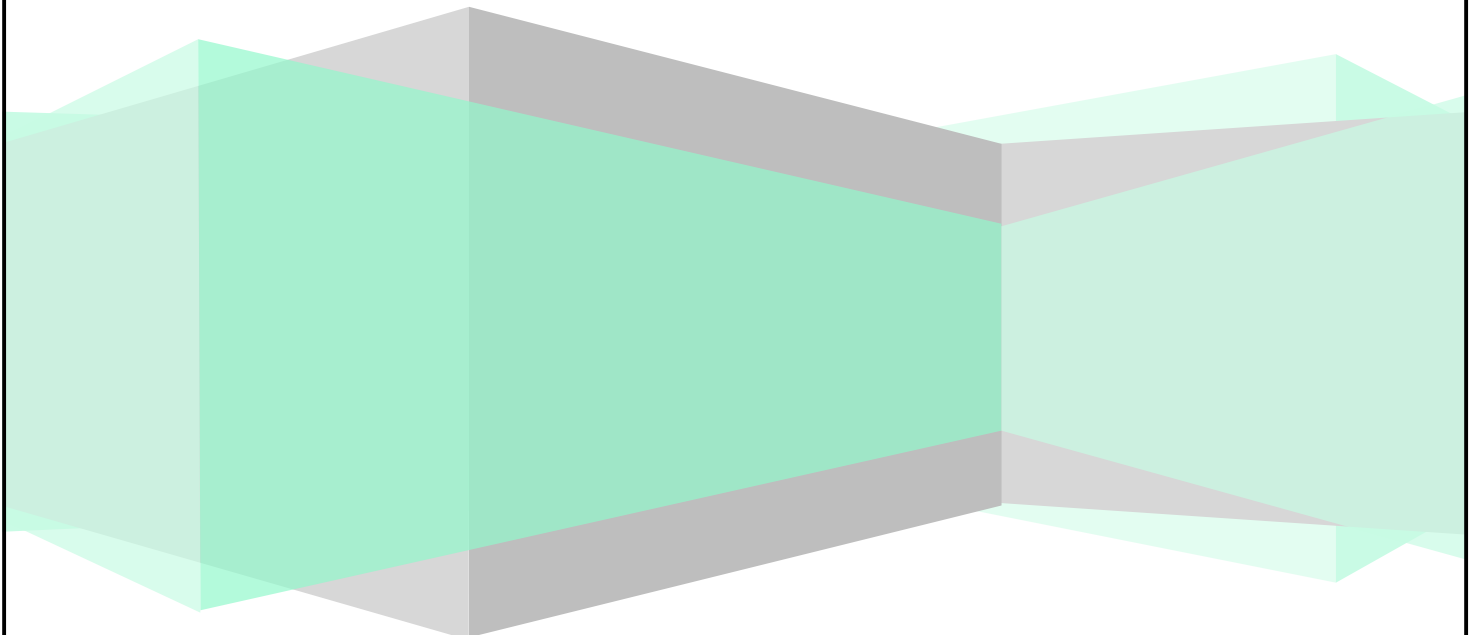
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune.



D J PATIL GROUP

Energy Audit

Actions on Restoring Environment through Audit Practices





Vision

Empowerment through quality technical education

Mission

M1: To excel as a center of excellence in technical education

M2: To impart skill based education to meet the needs of industry and Society

M3: To achieve excellence in teaching, learning and research

M4: To inculcate social & ethical values among the students

Quality Policy

We strive to impart the quality technical education through academic excellence and provide best of facilities to satisfy the need & expectations of the students & stakeholders.

ENERGY AUDIT

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

Sustainability study

AUDIT REPORT

Studied for

Dr. D. Y. Patil Educational Enterprises Charitable Trust's

Ajeenkya D. Y. Patil

School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk.) via Lohegaon, Pune – 411047

Studied in the capacity of

An accredited & Certified Green Building Professional



Studied by

Greenenvia
Solutions

Valid till **December 2023**

Disclaimer

The Audit Team has prepared this report for the **Dr. D. Y. Patil Educational Enterprises Charitable Trust's Ajeenkya D. Y. Patil School of Engineering** located at Dr. D. Y. Patil Knowledge City, Charholi (Bk.) via Lohegaon, Pune – 411047 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

Ajeenkya D. Y. Patil School of Engineering (DYPSOE) is one of the most prestigious academic groups in the Pune City and state of Maharashtra which is Approved by AICTE and Affiliated to SP Pune University.

DYPSOE was established by the Chairman of Ajeenkya D.Y.Patil Group. The institute offers five UG Programs (B.E), three PG Programs (M.E) and three Diploma programs.

Assessment of the Institute

- The Institute is affiliated to **Savitribai Phule Pune University**, formerly the University of Poona, is a collegiate public state university located in the city of Pune, India.
- The College has received '**B+**' Grade with a **CGPA of 2.61 in its First cycle** of Accreditation in 2018 awarded by the National Assessment & Accreditation Council (NAAC). The College is due to enter its second cycle of NAAC.

Total College Area & College Building Spread Area

The **total site area is 2.59 Acres** and **total Built-up area of College is 1,10,590.46 sq. ft.** for **around 2,266 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.

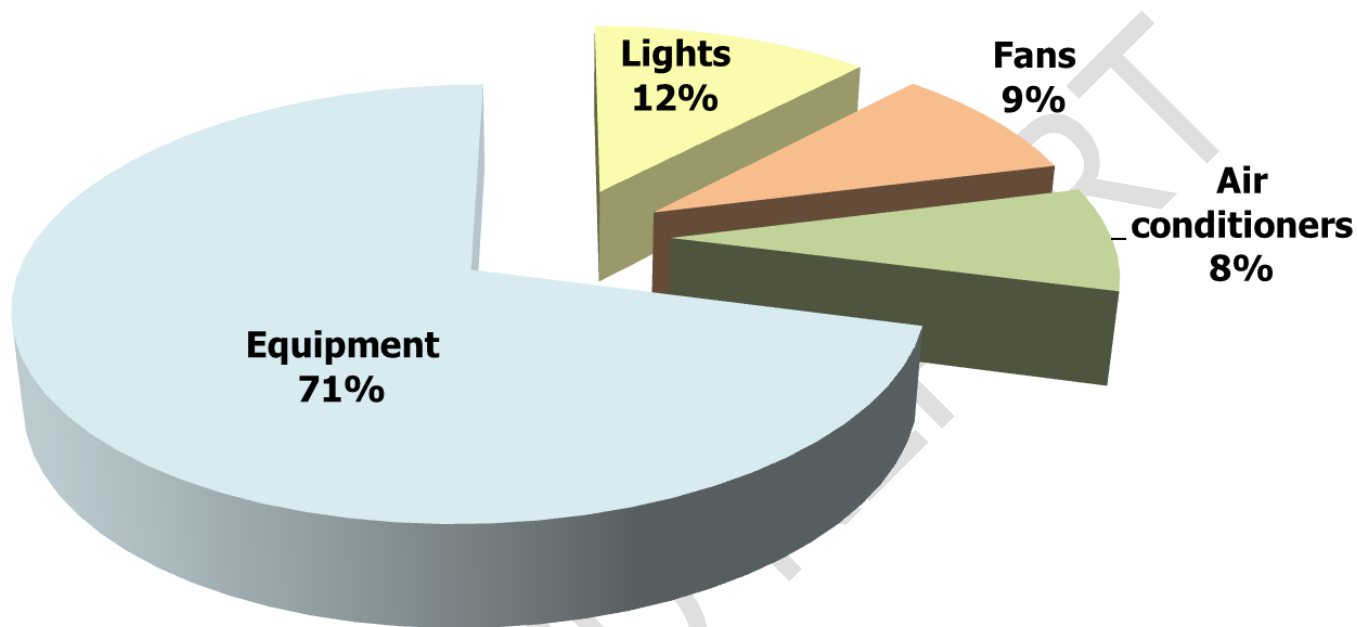


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that Equipment consumes 71% followed by Lights consuming 12% while the Fans consume 9% whereas the air conditioners consume 8% of the total calculated electrical energy.

