

ENERGY AUDIT 2019-21

AUDIT REPORT

Studied for

**Pal Shikshan Sanstha's
St. Paul College**

Behind VTC Ground, Ashelepada, Ulhasnagar (East) - 421004

Analysed by



13 December 2021

Disclaimer

Green Audit Team has prepared this report for the **Pal Shikshan Sanstha's St. Paul College, Behind VTC Ground, Ashelepada, Ulhasnagar (East) - 421004** 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 on-site 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.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm along with Ar. Nahida Shaikh as an Accredited Green Building Professional.

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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Acknowledgement

Green Audit Assessment Team thanks the **Pal Shikshan Sanstha's St. Paul College, Behind VTC Ground, Ashelepada, Ulhasnagar (East) – 421004** for assigning this important work of Green Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to **Shri. Shambhunath Ramdev Pal, Trustee; Dr. Sanjay Pal, Secretary** and everyone from the Management.

Our heartfelt thanks to Chairperson of the entire process **Dr. Antony Lawrence, Principal** for his valuable inputs.

We are also thankful to **College's Task force the faculty members** who have collected data required **Prof. Sharayu Shrotri**, Vice – Principal; **Prof. Amelia Antony**, IQAC Co-Ordinator.

The kind gesture for the inventory and data collection of **Prof. Muskan Jeswani**, B.M.S Coordinator; **Prof. Harjeet Kaur**, Examination Chairperson; **Prof. Babita Dubey**, Assistant Professor is quite commendable.

We highly appreciate the assistance of **Mr. Suresh Wadekar**, Non-Teaching Staff and the College Team for their support while collecting the data.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

Introduction

About St. Paul College

It was established to conduct self-financing courses. The infrastructure within the college is comparable to the best with all modern facilities and amenities like a fully air-conditioned computer lab with full wi-fi access throughout the campus, large ventilated classrooms, fully functional gymnasium and gymkhana, an auditorium dedicated to Dr. A.P.J. Abdul Kalam with a capacity of 200 people, well stocked library, canteen and mini stadium.

They have well qualified Professors and faculty from industry visiting us for guest lectures. They coach and groom students into professionals with business etiquette and Personality development. They encourage interaction with Industry executives with Management event, Seminars & workshops. They also guarantee 100% Placement Assistance.

They have a very young but dedicated and experienced staff to take care of the academics. The college is also in the process of acquiring NAAC accreditation. They recently successfully conducted a National Conference on CRM & e-CRM.

Assessment of the College

Below mentioned are the administrative details of the Institute.

University - The institution is affiliated to Mumbai University.

NAAC - The following are details of the Accreditation of the St. Paul College.

- Cycle – First cycle
- Grade – C Grade
- CGPA – 1.86
- Year of application – 2019

Energy Audit

Note: 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.

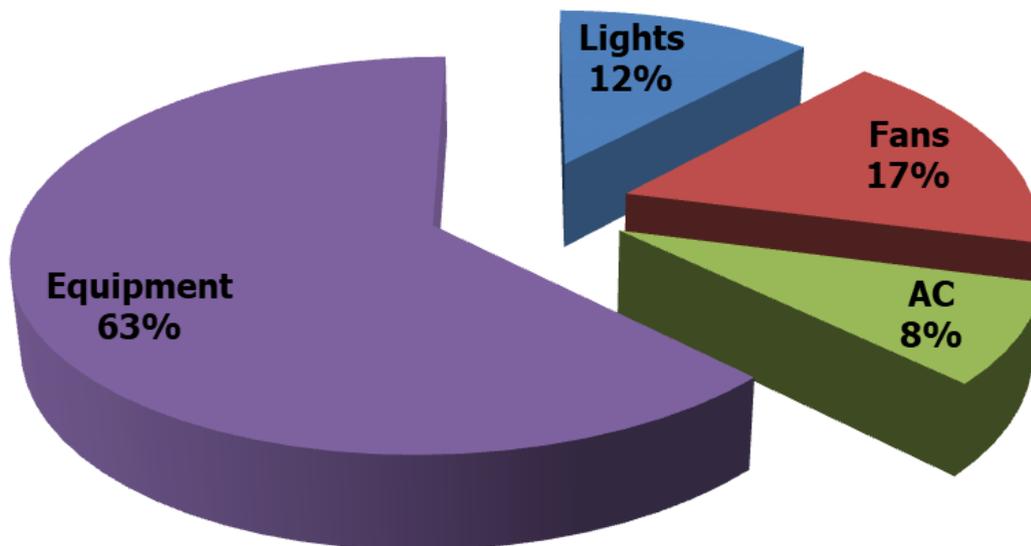


Figure 1: Summary of the Calculated Electrical Consumption as per inventory

The above graph shows that Equipment consumes 63% followed by Fans at 17% the Lights at 12% and AC at 8% of the total calculated electrical energy.

