

# ENERGY AUDIT

2019-21

## AUDIT REPORT

Studied for

Ashti Taluka Shikshan Prasarak Mandal' s

**Adv. B. D. Hambarde Mahavidyalaya**

MH SH 142, Ashti – 414203

Analysed by



**23 November 2021**

# Disclaimer

Green Audit Team has prepared this report for **Ashti Taluka Shikshan Prasarak Mandal's Adv. B. D. Hambarde Mahavidyalaya, MH SH 142, Ashti – 414203** 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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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

Palghar District, Maharashtra- 401208

[sustainableacademe@gmail.com](mailto:sustainableacademe@gmail.com)

## Introduction

### About Ashti Taluka Shikshan Prasarak Mandal

The Society has implemented the goal of educating the students in the best way possible by uplifting the academic status of the students through quality education and adopting the local village for overall community development. Meticulous joint efforts of the students and staff have made the institution one of the most sustainable premises in the locality.

### Assessment of the College

**The College is recognised as a Research Centre in Physical Education Institute,** below mentioned are the administrative details of the Institute.

**Affiliations** - The institution is affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

**Recognitions** - University Grant Commission (UGC) by 2(f) 12(b)

**Certification** – The Institute has ISO 9001:2015, NIRF and AISHE Certification

**Accreditation** - The following are details of the reaccreditation of the Institute.

Cycle	First	Second
<b>CGPA</b>		2.78
<b>Grade</b>	B	B++
<b>Year</b>	2001	2016

*Table 1: NAAC Accreditation details of the Institute*

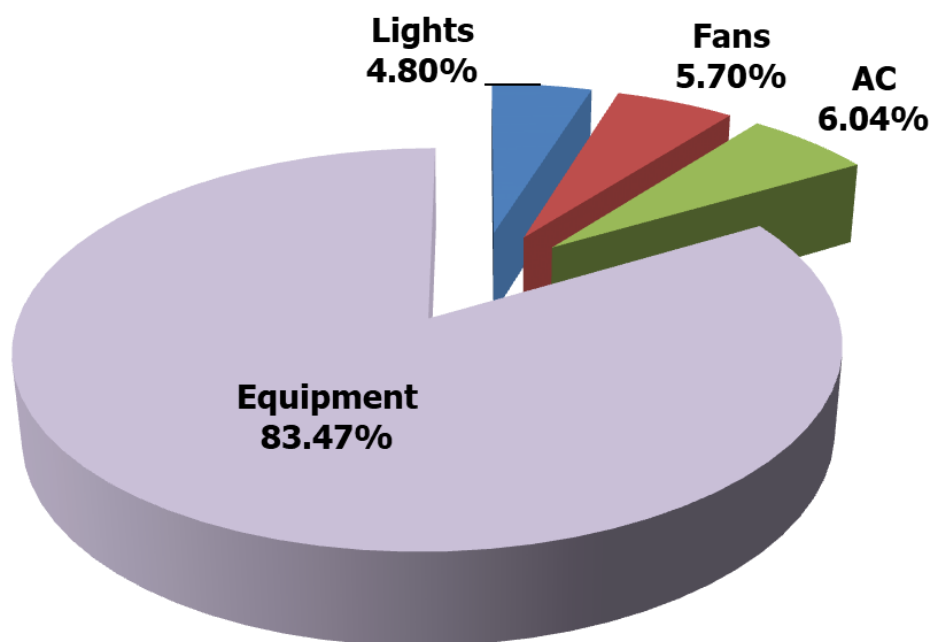
The college is due to enter its Third cycle of NAAC soon.

### Total Institute Area & College Building Spread Area

The total site area is 11.60 acres and total built-up area is 71,318 sq. ft. for approx. 1974+ footfalls.

## Energy Audit

The inventory and data collection for sources of energy consumed in the premise in summarised in the following sections. 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 83.47% followed by AC at 6.04%, Fans at 5.70% and Lights at 4.80% of the total calculated electrical energy.



