

# ENERGY AUDIT

2019-20 & 2020-21

## AUDIT REPORT

Studied for

Vimukta Jati Seva Samiti's  
**Gramin (Arts, Commerce & Science)**  
**Mahavidyalaya**

Vasantnagar (Kotgyal) Tq.  
Mukhed Dist. Nanded, 431715

Analysed by



**14 April 2022**

# Disclaimer

The Audit Team has prepared this report for the **Vimukta Jati Seva Samiti's Gramin (Arts, Commerce & Science) Mahavidyalaya** located at Vasantnagar (Kotgval) Tq. Mukhed Dist. Nanded, 431715 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](mailto:sustainableacademe@gmail.com)

## Introduction

### About the Vimukta Jati Seva Samiti

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 following are details of the reaccreditation of the College as per National Assessment and Accreditation Council (NAAC).

Cycle	First	Second
<b>CGPA</b>	67.70	2.16
<b>Grade</b>	C++	B
<b>Year</b>	2004	2016

*Table 1: NAAC Accreditation details of the College*

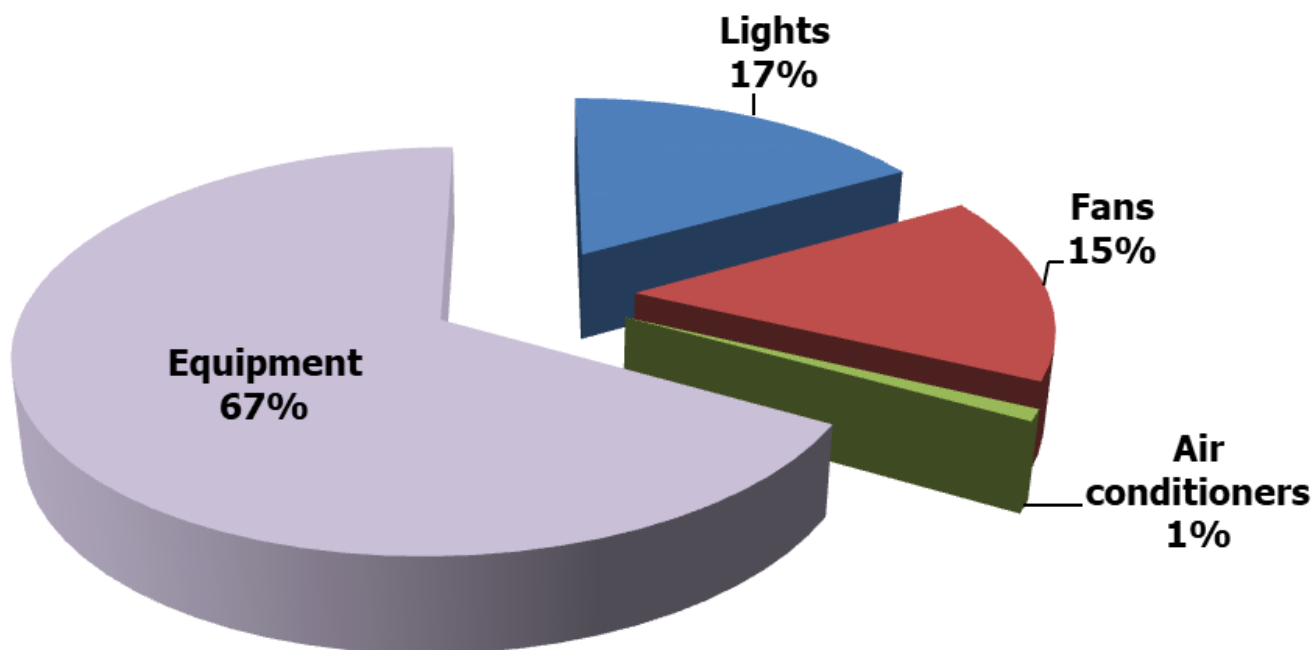
The college is due to enter its Third cycle of NAAC soon.

### Total College Area & College Building Spread Area

The **total site area is 2.51 acres** and the **total Built-up area of College is 25,876 sq. ft.** for a **total of 842 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 67% followed by lights at 17% the fans at 15% and the air conditioners consume 1% of the total calculated electrical energy.



