

# ENERGY AUDIT

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

Sustainability study  
**AUDIT REPORT**

Studied for  
Maharashtra Shikshan Samiti's  
**Maharashtra College of Pharmacy**  
Nilanga, District Latur - 413521,  
Maharashtra, India

Studied in the capacity of  
An accredited & Certified Green Building Professional



Studied by

**Greenovia**  
Solutions

Valid till **December 2023**

# Disclaimer

The Audit Team has prepared this report for the **Maharashtra Shikshan Samiti's Maharashtra College of Pharmacy** located at Nilanga, District Latur - 413521, Maharashtra, India 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

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## Introduction

### About the Institution

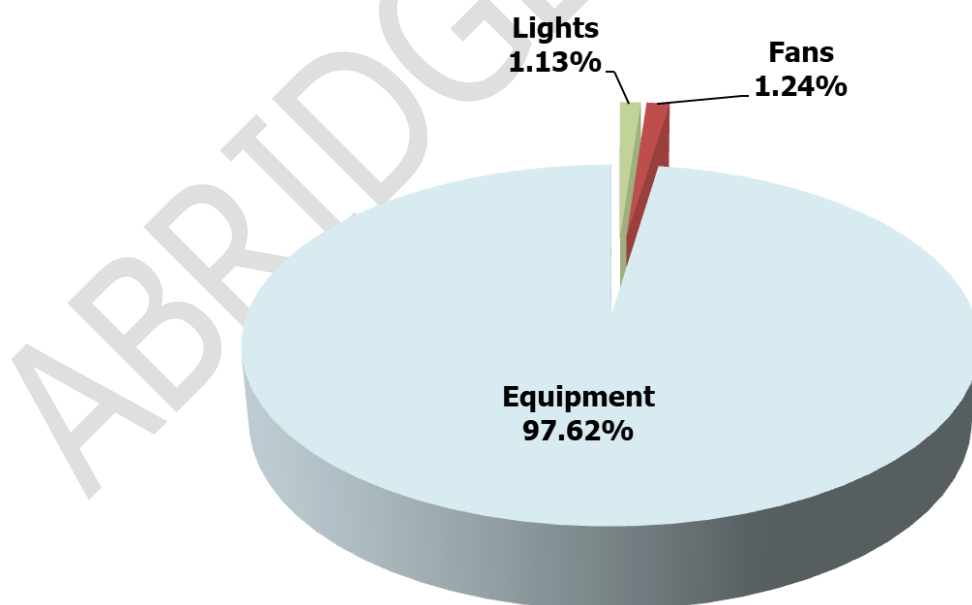
Maharashtra College of Pharmacy, Nilanga is a Pioneer institute in Pharmaceutical education in Marathwada region. Dr. Shivajirao Patil Nilangekar Ex- Chief Minister Maharashtra State started Maharashtra College of Pharmacy with an aim to educate the youth in the rural area of Nilanga through a technical and professional degree for a better future.

### Total College Area & College Building Spread Area

The **total site area is 2 Acres** & **total Built-up area of College is 46,931 sq. ft. for around 369 populace 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 97.62% whereas the Fans consume 1.24% while the Lights consume 1.13% of the total calculated electrical energy.





Azimuth: 129° (SE)  
Pitch: 7.6° (-6.2°)  
Time: 12-30-2022 15:44  
Note: Maharashtra College of Pharmacy, Nilanga

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