

# ENERGY AUDIT

2019-20 & 2020-21

## AUDIT REPORT

Studied for

**Prabodhan Shikshan Prasarak Sanstha's  
Indira Institute of Pharmacy,  
Sadavali (Devrukh)**

A/P-Sadavali, Taluka Sangameshwar,  
District Ratnagiri, State Maharashtra, Pin - 415 804

Analysed by



**21 March 2022**

# Disclaimer

The Audit Team has prepared this report for the **Prabodhan Shikshan Prasarak Sanstha's Indira Institute of Pharmacy, Sadavali (Devrukh)** located at A/P- Sadavali, Taluka Sangameshwar, District Ratnagiri, State Maharashtra, Pin - 415 804 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 Prabodhan Shikshan Prasarak Sanstha

Prabodhan is social awakening and upliftment of education. With this motto Prabodhan Shikshan Prasarak Sanstha was established in the year 1995, under the dynamic Chairmanship of Honorable Shri. Ravindraji M. Mane, Ex-Minister of state for Finance and Planning, Development, Irrigation, Water Supply and Sanitation, Government of Maharashtra, and Ex-Guardian Minister Ratnagiri District. The sole object of the Sanstha is to promote education to the people of this region and also towards the welfare and uplift of human society. Prabodhan Shikshan Prasarak Sanstha is a registered public charitable trust, [Regn No. E-697 (Ratnagiri), dated 7th June 1995] registered under the Bombay public trust act 1950.

### Assessment of the College

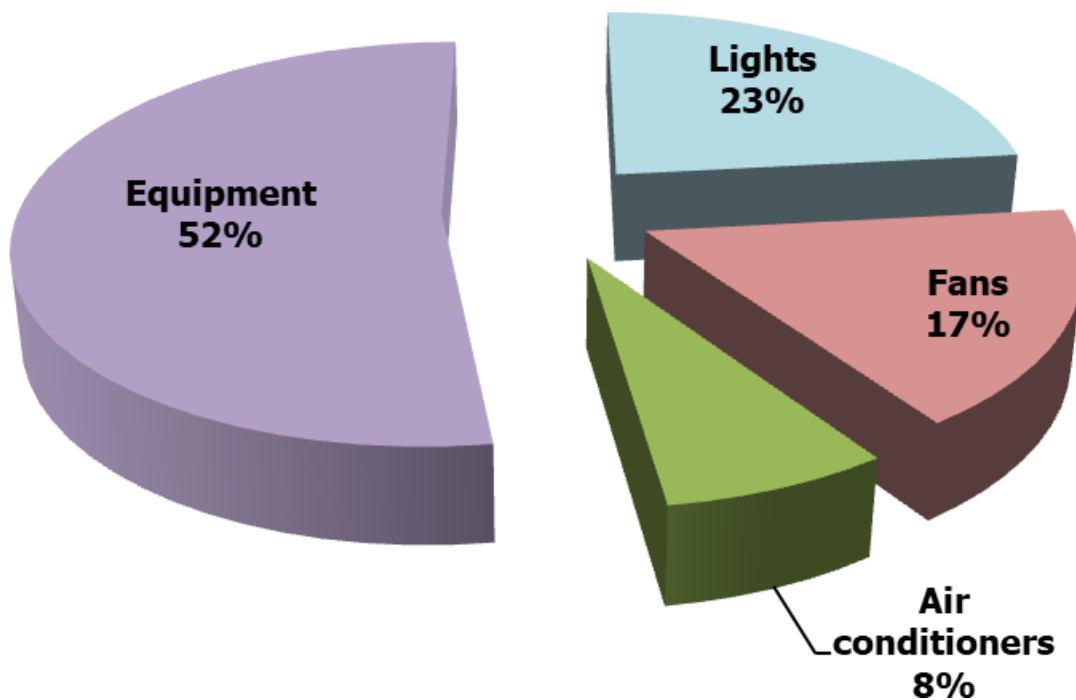
- Affiliated to **University of Mumbai.**
- Approved by **All India Council for Technical Education (AICTE), New Delhi.** up to 2021-22.
- Approved by **Pharmacy council of India (PCI), New Delhi** up to 2023-24.
- Approved by **Maharashtra State Board of Technical Education (MSBTE), Mumbai.**
- Approved by **Directorate of Technical Education, Maharashtra.**
- **NAAC** - The College received a CGPA of 2.09 with a B Grade in its first cycle of Accreditation in October 2017. The College is due to enter its second cycle of NAAC soon.

### Total College Area & College Building Spread Area

The **total site area is 6 Acres** and the **total Built-up area of College is 62,685 sq. ft.** for a **total of 440 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 52% followed by lights at 23% the fans at 17% and the air conditioners consume 8% of the total calculated electrical energy.

