

ENERGY AUDIT

2019-20 & 2020-21

AUDIT REPORT

Studied for

Deola Education Society's

**Karmaveer Ramraoji Aher
Art's, Science & Commerce College**

Tal. Deola, Dist. Nashik, Maharashtra 423102, India

Analysed by



21 March 2022

Disclaimer

The Audit Team has prepared this report for the **Deola Education Society's Karmaveer Ramraoji Aher Art's, Science & Commerce College** located at Deola Tal. Deola, Dist. Nashik, Maharashtra 423102, 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.

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Greenvio Solutions

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We are an Environmental and Architectural Design Consultancy firm

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Introduction

About the Deola Education Society

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

NAAC - The following are details of the reaccreditation of the College.

Cycle	First	Second	Third
CGPA	74	2.41	2.61
Grade	B	B	B+
Year	2004	2011	2020

Table 1: NAAC Accreditation details of the Institute

The College is due to enter its Fourth cycle of NAAC soon.

The college has achieved the University Grant Commission (UGC) under section 2 (f) & 12 (B) of the UGC Act, 1956 by University Grants Commission, New Delhi.

Total College Area & College Building Spread Area

The **total site area is 6.19 Acres** and the **total Built-up area of College is 51,000 sq. ft.** for a **total of 1,500 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.

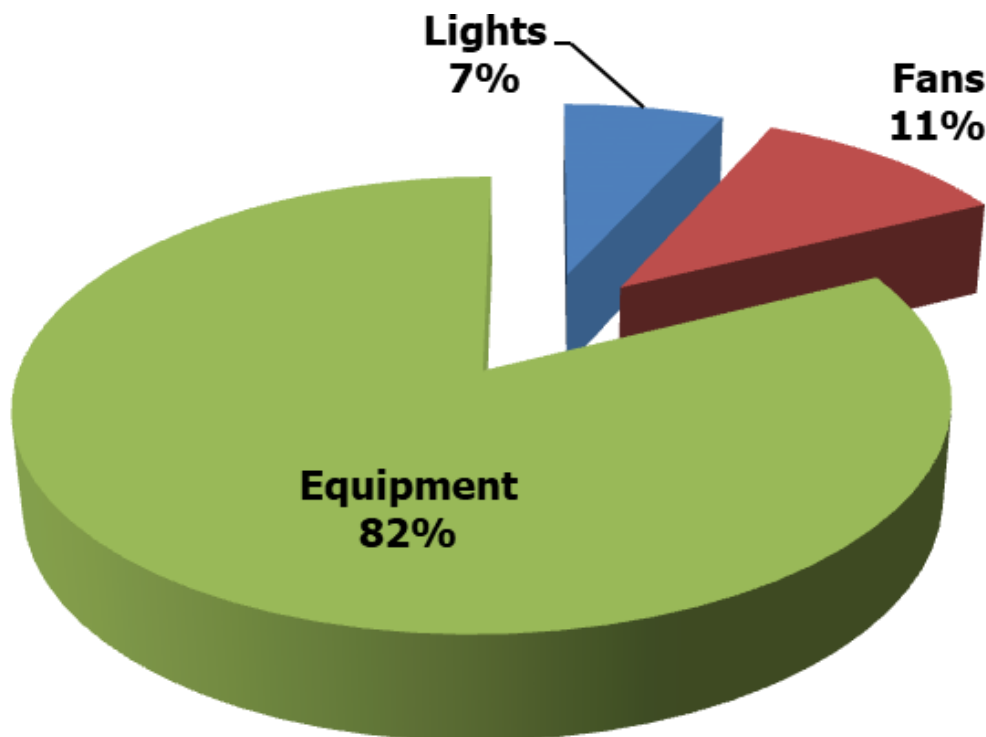


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that Equipment consumes 82% followed by fans at 11% and the lights at 7% of the total calculated electrical energy.

