

# Energy Audit Certificate

GV/EA/11-22/120

*The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional*

It is awarded for **2020-2021 and 2021-2022 (Analysed for 2 years)** to the Esteemed Institution

Daar Ul Rehmat Trust's

## **A.E.Kalsekar Degree College**

Near Bharat Gear Factory, Post Dawla, Mumbra, Thane-400 612

*(On the basis of the actual site visit at College)*

As part of the Institution's initiatives for a Healthy & Sustainable College the audit was conducted.  
We appreciate the immense efforts taken by Staff and students towards the Energy Management and Conservation.

Valid till **December 2023**

  
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# ENERGY AUDIT

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

Sustainability study

## AUDIT REPORT

Studied for  
Daar Ul Rehmat Trust's  
**A.E.Kalsekar Degree College**  
Near Bharat Gear Factory,  
Post Dawla, Mumbra, Thane-400 612

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



Studied by

**Greenenvia**  
Solutions

Valid till **December 2023**

# Disclaimer

The Audit Team has prepared this report for the **Daar Ul Rehmat Trust's A.E.Kalsekar Degree College** located near Bharat Gear Factory, Post Dawla, Mumbra, Thane-400 612 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 Daar Ul Rehmat Trust

It was founded in 1986 with the noble object of bringing up orphan girls and looking after their education and proper inhabitation and also the object of facilitating education at moderate expense to the students. (Especially the girls students of the Muslim community).

In pursuance to the object, the Trust started a number of schools and colleges with nearly 13,000 and more students receive education through these educational institutions and marching towards a dignified a brighter future.

### Assessment of the Institute

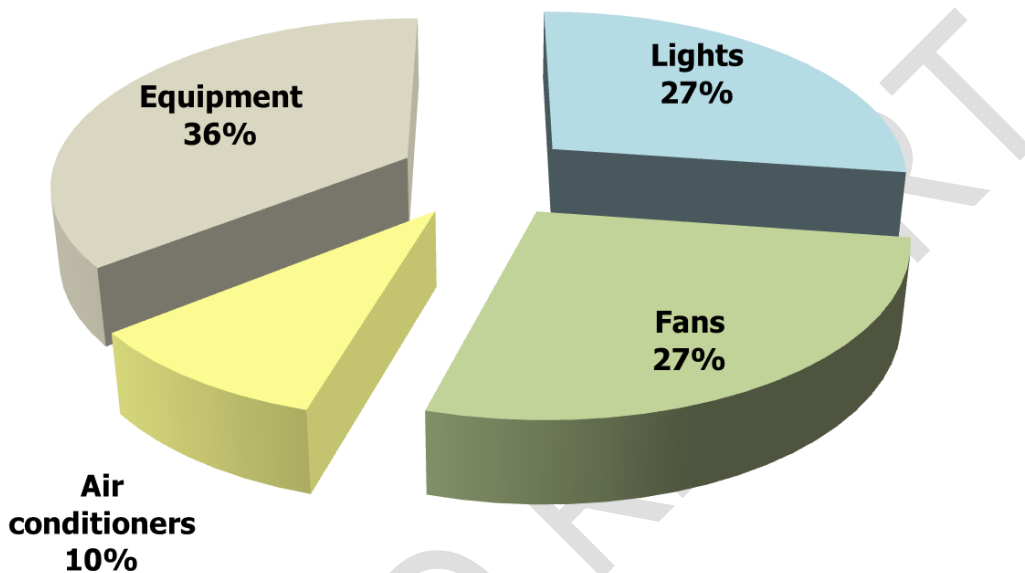
- ➔ The College has all its courses approved and affiliated with the **University Of Mumbai**, *informally known as Mumbai University, which is a collegiate, public, and state-owned university located in Mumbai in Maharashtra, India.*
- ➔ **ISO 9001** – Quality Management Systems
- ➔ **AISHE** – The code is C-33726

### Total College Area & College Building Spread Area

The **total site area is 1 Acres** and the **total Built-up area of College is 87,263.75 sq. ft.** for a **total of 2,071 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 36% followed by lights and fans consuming 27% while the air conditioners consume 10% of the total calculated electrical energy.

