

# ENERGY AUDIT

2019-20 & 2020-21

## AUDIT REPORT

Studied for

**Maharashtra Cosmopolitan Education Society (M.C.E.S)'s**

**Allana College of Architecture**

2390, K. B. Hidayatullah Road,  
Azam Campus, Camp Pune 411001

Analysed by



**14 February 2022**

## Disclaimer

Green Audit Team has prepared this report for the **Maharashtra Cosmopolitan Education Society (M.C.E.S)'s Allana College of Architecture, 2390- B, K.B.Hidayatullah Road, Azam Campus, Pune- 411001** 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 on-site 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*

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## Introduction

### About the Maharashtra Cosmopolitan Education Society (M.C.E.S.)

**It was established in the year 1948 by Late Mr. Abdul Kadir Khan** and others, with an objective of providing education to the economically, educationally and socially weaker sections of the society. It is an educational society registered under the Society's Registration Act of 1860 and also a Public Trust registered under the Bombay Public Trust Act 1950. It is also registered under section 12(a) of Income Tax Act 1961 and is exempted u/s 80G of the said Act by the Income Tax Commissioner, Pune.

The M.C.E. Society is one of the oldest educational organizations of Pune & has done pioneering work in the field of education. **Within a span of 15 years the M.C.E. Society from a humble beginning of 4 schools has been transformed into an excellent educational complex** of higher, medical, technical and professional academic institutions in the field of Arts, Science, Commerce, Computer Science, Law, Education, Pharmacy, Management Sciences, Architecture, Dental Sciences, Hospitality Studies & Information Technology.

### Assessment of the College

Below mentioned are the administrative details of the Institute.

#### B.Arch:

- a) Recognised by the Government of Maharashtra vide G.R. No. सीटीसी – 1098/(407/9804) तांशि- 1 dated 7<sup>th</sup> August 1999 and सीटीसी 1098/(407/9804)
- b) तांशि- 1 dated 27<sup>th</sup> July 1999
- c) Approved by AICTE vide letter No. 740-89-050(ARCHI)/ET/99 dated 30<sup>th</sup> July 1999 and Letter No. 740-89-050(ARCHI)/ET/99 dated 6<sup>th</sup> July 1999
- d) Approved by DTE Letter No. 2/NG/0299/ADM/4002 dated 31<sup>st</sup> July 1999 and Letter No. 2/NG/0299/ADM/3074 dated 30<sup>th</sup> July 1999
- e) Approved by the Council of Architecture , New Delhi for 2021-22 vide letter no. CA/5/Academic-MH-31 dated 8th August 2021
- f) Affiliated to Savitribai Phule Pune University for 2021-22 vide Letter CA/1267 dated

27/08/2021

### **M.Arch- Construction Management**

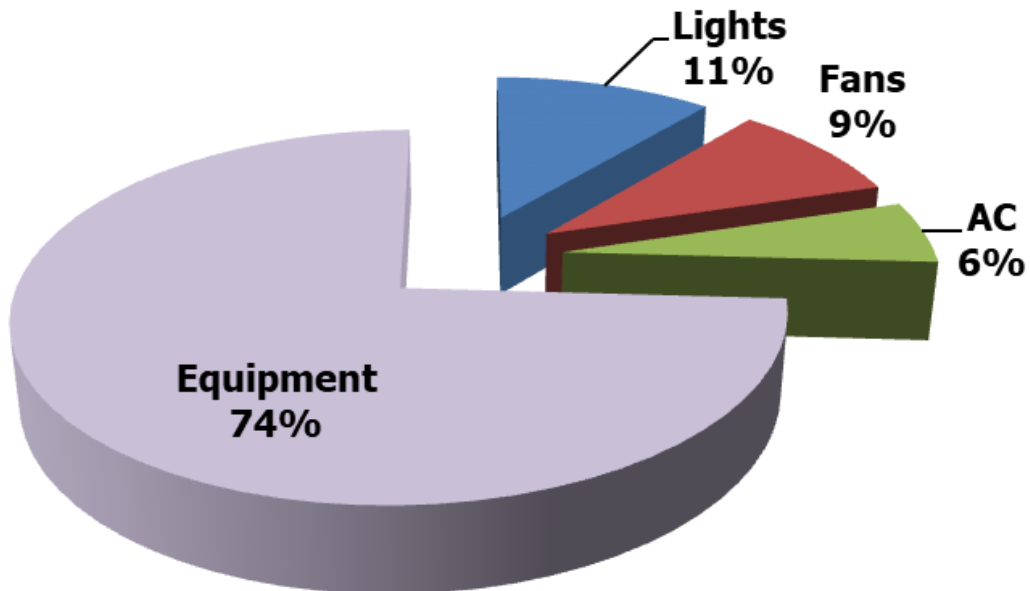
- a) Recognised by the Government of Maharashtra vide G.R. No. 2017/प्र. क्र 313/ तांशि- 4 dated 21<sup>st</sup> August 2017 for M.Arch – Construction Management Course
- b) Approved by DTE Letter No. 2/एनजीसी/आर्कि/2017/1010 dated 7<sup>th</sup> September 2017
- c) Approved by the Council of Architecture, New Delhi for 2021-22 vide letter no. CA/5/Academic-MH-31- PG dated 24<sup>th</sup> August 2021
- d) Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere for the year 2021-22

### **Total Institute Area & College Building Spread Area**

The **total site area is 23.75 Acres**; the **Site area of College is 2.56 Acres** and the **total Built-up area of College is 43,745 sq. ft.** for a **total of 222 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 74% followed by Lights at 11% the Fans at 9% and AC at 6% of the total calculated electrical energy.

