

ENVIRONMENT AUDIT

2019-20 & 2020-21

AUDIT REPORT

Studied for

Manjara Charitable Trust's
**Smt. Sushiladevi Deshmukh
Senior College**

Khadgaon Road, Latur - 413532

Analysed by



24 December 2021

Disclaimer

Green Audit Team has prepared this report for the **Manjara Charitable Trust's Smt. Sushiladevi Deshmukh Senior College, Khadgaon Road, Latur - 413531** 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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The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm along with Ar. Nahida Shaikh as an Accredited Green Building Professional.

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Acknowledgement

Green Audit Assessment Team thanks the **Manjara Charitable Trust's Smt. Sushiladevi Deshmukh Senior College, Latur** for assigning this important work of Green Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to **Hon. Shri. Dilipraoji Deshmukh**, President; **Hon. Hon. Shri. Amitji Deshmukh**, Secretary; **Hon. Shri. Vijaymurti Shete**, **Hon. Shri. Najeer Ahemad M. Yaseen Sayyad**, **Hon. Shri. Shankarrao Chavan**, Trustee and everyone from the Management.

Our heartfelt thanks to Chairperson of the entire process **Dr. Ajay Patil, Principal, Sushiladevi Deshmukh Senior College** for his valuable inputs.

We are also thankful to **College's Task force the faculty members** who have collected data required **Dr. Mallikarjun Karajgi**, IQAC Coordinator and Teaching Staff Members **Dr. Kumar Bansode**, **Dr. Balu Kamble**, **Prof. Anita Gaikwad**, **Prof. Gurunath Deshmukh** and **Prof. Sanjayadevi Pawar**

The kind gesture for the inventory and data collection of the Non-Teaching Staff Members **Shri. Satyanarayan Bhutada**, **Smt. Chanda Kamble**, **Shri. Vikram Pathan**, **Shri. Balaji Kumbhar** and **Shri. Jivan Sable** is quite commendable.

We highly appreciate the assistance of the College Team for their support while collecting the data.

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6.2 Survey Results

An online survey was conducted to analyse the student and staff views about what changes according to you can be undertaken for Green audit improvement in College premise and activity, some of the key responses are listed below. Whereas many responses **stated there were no changes requires because the present practices are excellent.**

- It's well planned in college.
- It already good.
- It's already beautiful.

Some of the suggestions by the Students and staff are listed below:

- Planting of trees by classification.
- Recording of trees from time to time
- Maintaining of trees planted by micro-cameras in places .
- Compulsory of one tree per group per year keeping in view the number of students.

However, it should be noted that the College has taken up multiple initiatives and because of Pandemic the students have not practically visited the campus so many of these points are not mandatory at the moment.



7. References

1. Uniform Plumbing Code – India, 2008
2. IGBC Green Existing Buildings – Operation & Maintenance (O&M) Rating system, Pilot version, Abridged Reference Guide, April 2013
3. IGBC Green Landscape Rating system, March 2013
4. BOMA Canada Waste Auditing Guide, Best Environmental Standards, BOMA BEST - Canada
5. Climate data <https://en.climate-data.org/asia/india/maharashtra/latur-24306/>
6. Used only for understanding Universal design - Universal accessibility Guidelines for Pedestrian, Non-motorized vehicle and Public Transport Infrastructure – Report guidelines by Samarthyam (National centre for Accessible Environments) – an initiative supported by Shakti Sustainable Energy Foundation.




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Senior College, LATUR

GV/EA/12/28

Energy Audit Certificate

is awarded for **2019-21** to the Esteemed Institution

Manjara Charitable Trust's

Smt. Sushiladevi Deshmukh Senior College

Khadgaon Rd, Khadgaon, Latur - 413531

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.

Issued on **Friday, 24 December 2021** valid till **December 2022**

Ar. Mahida Shaikh

Project Head and Green Building Consultant

Sustainable Academe

Sustainability Department of Greenvio Solutions, Naigaon

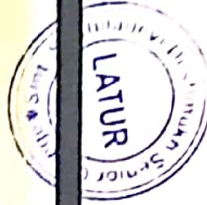
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Dr. Nehada Shirsalkar

Project Head and Green Building Consultant

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Khadgaon Road, Manara, Dist. Solapur

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Introduction

About Manjra Charitable Trust

It was established twenty eight years ago, when the leading citizens from the different fields of life of Latur area, namely: **Late Hon. Shri. Vilasraoji Deshmukh** (Founder and Ex. Chief Minister of Maharashtra & Ex. Union Minister of India), **Late Adv. Shri. B. V. Kale** (Secretary), **Shri. Deelipraoji Deshmukh** (President, & MLC, Maharashtra), **Shri. Amitji Vilasrao Deshmukh** (Executive Trustee & MLA, Maharashtra), **Late Shri. Shivajirao Survase**, **Shri. Sayeed N. A. M. Yaseen**, **Shri. Shankarrao Chavan** and **Shri Vijaymurti Shete**. These honourable personalities with a great concern and a noble view established the college.

Assessment of the College

Below mentioned are the administrative details of the Institute.

Affiliations - The institution is affiliated to Swami Ramanand Teerth Marathwada University, Nanded.

Accreditation - The following are details of the reaccreditation of the Institute.

Cycle	First	Second
CGPA	78.00	2.80
Grade	B+	B++
Year	2004	2017

Table 1: NAAC Accreditation details of the Institute



The college is due to enter its Third cycle of NAAC Accreditation soon.

Total Institute Area & College Building Spread Area

The total site area is 6.08 acres and total built-up area is 31,728 sq. ft. for approx. 227 footfalls.

Green Practices Audit

The Institution has undertaken the following initiatives through excellent efforts towards save environment measures before pandemic. The NSS Department holds the nature club and various activities like tree plantation, nature cleanliness, visits to nearby flora and fauna are carried out.

Environment initiatives undertaken by College (2018-20)

- 21st June -Yoga Day
- 26th June –Rajarshi Shahu Maharaj Jayanti
- 25th July – Matoshri Day and Prize Distribution Ceremony
- 09th Aug.- Swami Rangnathan Jayanti
- 13th Aug. -State Elocution Competition-
- 13th Aug. –Yuvati Mandal
- 14th Aug. Prerna Day- Blood Donation Camp
- 23rd Aug.- Yoga and Spiritual Science –Staff Academy
- 26th Aug. –Sant Gadge Baba Swatchata Abhiyan
- 14th Sept. Hindi Day
- 16th Dec. –Regional Level Workshop on Mahila Atyachar Sadya Stithi vaSajag Akalan
- 18th Dec.- BOM Sanvad Melava
- 03rd and 04th Jan. National Level Workshop on E-Content Development.
- 27th Jan. to 02 Feb. -NSS- Camp
- 27th Feb. Marathi Bhasha Din

Due to lockdown, more social events could not take place physically after these.



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Energy Audit

The inventory and data collection for sources of energy consumed in the premise in summarised in the following sections. Note: 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.

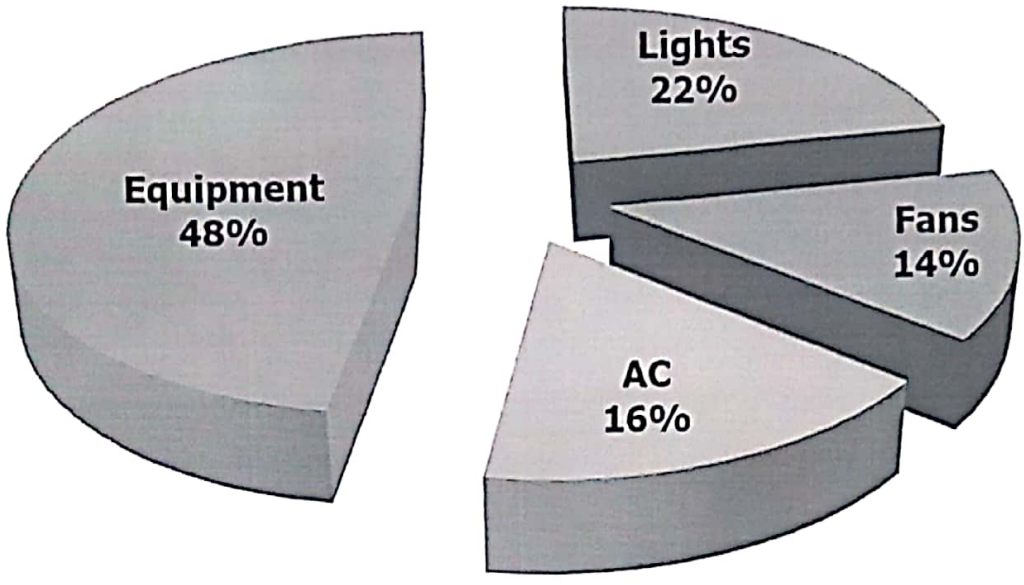


Figure 1: Summary of the Calculated Electrical Consumption as per inventory

The above graph shows that Equipment consumes 48% followed by Light at 22% AC at 16% and Fans at 14% of the total calculated electrical energy.



[Handwritten Signature]
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