



**ICFAI Foundation for Higher Education,
Hyderabad.**

ENVIRONMENT AUDIT REPORT



ela

**Ela Green Buildings
& Infrastructure
Consultants Pvt. Ltd.**

Design Certification Training



S. V. Jayalakshmi

REGISTRAR

ICFAI FOUNDATION FOR HIGHER EDUCATION
(Deemed-to-be-University establishes under section 3 of UGC Act 1956.)

For Ela Green Buildings & Infrastructure Consultants Private Limited,

Sriram Krishnamurthy, Certified Energy Auditor (EA-30994)

51, Officers Lane, Cantonment, Pallavaram, Chennai - 600043

CERTIFICATE

This is to certify that **The ICAI Foundation for Higher Education, Hyderabad** has conducted Environmental Audit for their campus and has submitted necessary data & credentials for scrutiny for the period, June 1, 2020-May 31, 2021. The activities and measures carried out the by the University have been verified and was found to be **satisfactory**. The efforts taken by the faculty & students towards environment are highly appreciated and commendable.

Answer 34

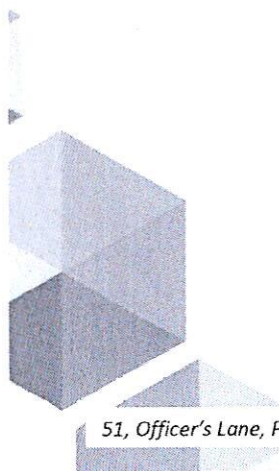
For Ela Green Buildings & Infrastructure Consultants Private Limited,

Sriram Krishnamurthy

Certified Energy Auditor

EA-30994

15-06-2021



51, Officer's Lane, Pallavaram, Cantonment, Chennai – 600043, Website: www.elagreenconsultants.com

Title	ICFAI Foundation for Higher Education, Hyderabad.
Consultant	Ela Green Buildings & Infrastructure Consultants Pvt. Ltd.
Year	15 June 2021
No. of Pages	13

Audit Team

1	Mr. Pruthviraj Balekai	<i>Sustainability Consultant, Ela Green Buildings & Infrastructure Consultants Private Limited</i>
2	Mr. Sriram Krishnamurthy	<i>Certified Energy Auditor, Ela Green Buildings & Infrastructure Consultants Private Limited</i>
3	Mr. Aditya Damle	<i>Sustainability Consultant, Ela Green Buildings & Infrastructure Consultants Private Limited</i>
4	Mr. N V Sarma	<i>General Manager (Projects), ICFAI Foundation for Higher Education (IFHE), Hyderabad</i>
5	Mr. Mahendra	<i>University Engineer , ICFAI Foundation for Higher Education (IFHE), Hyderabad</i>

About Us

We are a one-stop solution for all your sustainability, green design, and energy-efficiency needs. With more than ten years of experience in sustainability & energy industry, we offer holistic turnkey solutions for making your project truly sustainable.

Team

An enviable mix of multi-disciplinary team consisting of veterans, experienced professionals, to the young crops with a diverse technical background including; architects, sustainability engineers from civil, electrical, mechanical domains.

Key Strengths

- Technical know-how – Most of our employees have master's degree in sustainability & related fields. We also possess various coveted "Accredited Professionals" tag from leading bodies including LEED, GRIHA, IGBC, EDGE & WELL
- Ethics & professionalism – Our company value-system and experience in scaling numerous learning curves ensures timely delivery of projects
- Network & Relationship – Our reputation amongst the certification bodies and our contacts with vendors, manufacturers of green products & services

Services

- Green Building Certification – LEED, GRIHA, IGBC, WELL, EDGE etc. across all types of buildings ranging from commercial, residential, factories, metro stations, IT data-centres etc.
- Simulation services: Energy modelling, Daylight analysis, CFD analysis etc.
- Energy audits, HVAC commissioning, TAB, ECBC compliance
- Impact assessment, sustainability reports, feasibility studies, capacity-building and training

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Foreword

A nation's growth starts from its educational institutions, where the ecology is thought as a prime factor of development associated with environment. A clean and healthy environment aids effective learning and provides a conducive learning environment. Present day educational institutions are becoming more sensitive to environmental factors and more concepts, measures and technology are being introduced to make them sustainable.

To preserve the ecology inside the campus, various viewpoints are applied by the several educational institutes to solve their environmental problems such as promotion of the energy savings, recycle of waste, water reduction, water harvesting etc. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.

Environmental auditing is a process whereby an organization's environmental performance is tested against its environmental policies and objectives. Conservation of the environment is one of the primary responsibilities of each individual on campus. The university's ongoing efforts to improve and ensure environmental protection have been continuously implemented for students through a variety of club activities. NSS and Green Club strive to transmit eco-awareness amongst students.

It provides staff and students better understanding of how important to take care of the environment on campus. It gives an opportunity for the development of ownership, personal and social responsibility for the students and teachers.



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Executive Summary

The main findings of the audit show that, in general, all the departments and students at ICFAI Foundation for Higher Education ¹ are aware about the need for environmental protection at a general level. It was also observed that a number of best practices such as central rainwater harvesting pond, roof top solar system, Initiative of planting trees etc. are being followed in the campus.

Also, on a detailed review, it was observed that the university is implementing some of the best practices in terms of facility improvements, ease of learning, energy savings measures, and water conservation activities. Many eco-friendly measures followed in the institution and in certain processes, it could benefit from further review in order to improve their efficiency, fairness and consistency.

About IFHE Campus

ICFAI was established in 1984 as a not-for-profit society with the broad objective of empowering citizens through world class quality education. ICFAI launched a high end, innovative professional program in financial analysis in 1985. The Program was first-of-its-kind in India, aimed at equipping students and working professionals with cutting-edge knowledge in contemporary areas of finance.

ICFAI has established 11 Universities across India. The ICFAI Universities are located at Jaipur, Hyderabad [ICFAI Foundation for Higher Education (IFHE), which is a Deemed University], Dehradun, Tripura, Dehradun, Jharkhand, Raipur, Himachal Pradesh (Baddi), Sikkim, Mizoram, Meghalaya and Nagaland.

ICFAI Foundation for Higher Education is a deemed-to-be-University established under section 3 of UGC Act, 1956. IFHE's comprehensive student-centric learning approach provides relevant knowledge, imparts practical skills and inculcates a positive attitude among the students.

Today, IFHE is one of the largest multi-disciplinary universities in the country. The Faculty of Management, Faculty of Science and Technology and Faculty of Law are the three main building blocks of the university. The University is a member of the Association of Indian Universities (AIU) and Association of Commonwealth Universities (ACU).

The University has been inculcating the most pragmatic and idealistic education to more than 8,000 students in the current year. The courses provide are in the wide spectrum of Science & Technology, Management & Law taught in English medium. The campus is Ranked 2nd among private universities in Telangana - Education World - University Rankings, 2019 with 30 programs over 5 disciplines.

Vision & Mission

Vision of ICFAI Foundation for Higher Education, Hyderabad is to emerge as an Institution of Excellence known for research, teaching, and practice.

The Mission of the University is 'Learning for Leadership'. It aims at developing a cadre of professionals possessing specialized skills having a sense of social and moral responsibility and the ability to address problems from a broader perspective.

¹ Will henceforth be referred to as IFHE Campus in this report

Introduction

The intention of conducting an Environmental Audit is to upgrade the environment condition in and around the campus. Various audits tasks like waste management, energy, water and others are carried out to bench mark the performance and improve the respective sustainability parameters.

Ela Green Buildings & Infrastructure Consultants have conducted an Environment audit at IFHE campus in June 2021.

Table 1 Basic Information

Site Name	ICFAI Foundation for Higher Education (IFHE), Hyderabad
Address	IFHE Campus, Donthanapally, Shankarapalli Road, Hyderabad – 501203.
Name & Contact Info	Mr. N V Sarma - General Manager nvsarma@icfaiuniversity.com Mr. Mahendra: University Engineer Email: mahender@ifheindia.org Mr. P Sai Krishna: Maintenance Engineer Email: saikrishna.p@ifheindia.org Mr. Gopichand Y: Junior Engineer Email: gopichand.y@ifheindia.org Mr. Krishna A: Junior Engineer Email: krishna.a@ifheinfia.org
Year Built	Year of establishment: 1995
Population Breakdown	Students: 8,000 per year Faculty: 300 Maintenance Personnel: 100
Hours of operation	Institutional Buildings: 9 AM to 6 PM
Month per year of operation	10 months
Built-up area	18,00,000 sq. ft (approx.) encompassing residential, academic, administrative, dormitory buildings
Site Area	91 acres (approx.)

Scope & Methodology

The specific objectives of the audit were to evaluate the adequacy of the management control framework of Environment Sustainability as well as the degree to which the Departments are in compliance with the applicable regulations, policies and standards.

During the planning of the audit, an analysis was conducted in order to identify, evaluate and prioritize the practices, facility operation; academic best practices that are with compliance. The methodology used included physical inspection of the campus, review of the relevant documentation, and interviews.

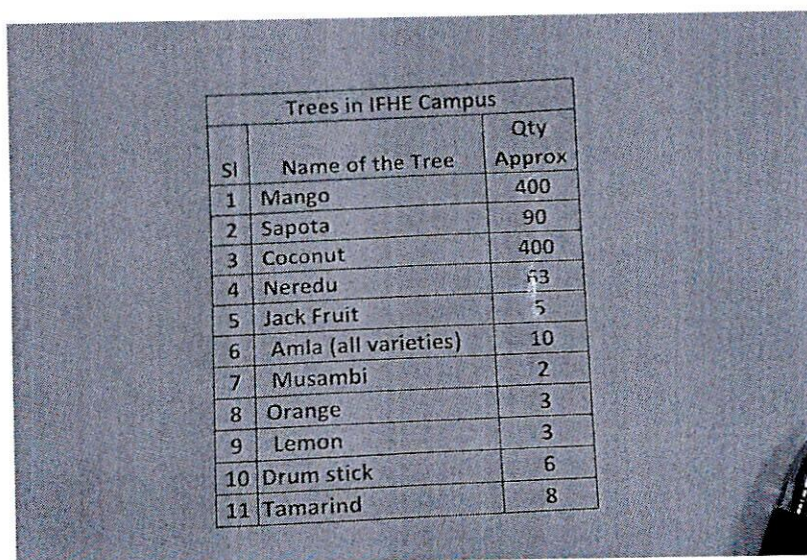
Scope of Environmental Audit in this report involves the following elements:

- Environmental Audit

Recommendations were provided to the project team² (listed at the end of each audit section) based on a detailed analysis of conditions, observing and gathering information during the audit.

Plantation in Campus

The Campus has various trees and plants in their campus. Being in the middle of densely urban area, it is vital to maintain the green cover in the campus. Students and faculty are active participants in numerous plantations drives in the nearby localities. A variety of trees, more of native and adaptive plants which also requires less water are used. Also, a number of medicinal plants has been planted in the campus. As of 15.06.2021, the department boasts of having planted saplings, and different kinds of plants in the university campus. The details are as follows:



Trees in IFHE Campus		
Sl	Name of the Tree	Qty Approx
1	Mango	400
2	Sapota	90
3	Coconut	400
4	Neredu	53
5	Jack Fruit	5
6	Amla (all varieties)	10
7	Musambi	2
8	Orange	3
9	Lemon	3
10	Drum stick	6
11	Tamarind	8

VanMahotsav

Van Mahotsav is an annual pan-Indian tree planting festival, occupying a week in the month of July. During this event millions of trees are planted to counter the fact that deforestation is spreading all over the world, in rural and urban areas. Forests and trees help us to maintain ecological balance and keep the carbon footprint low, but still trees are being felled and burnt without any concern for the ecological damage.

Environment day Campaigns

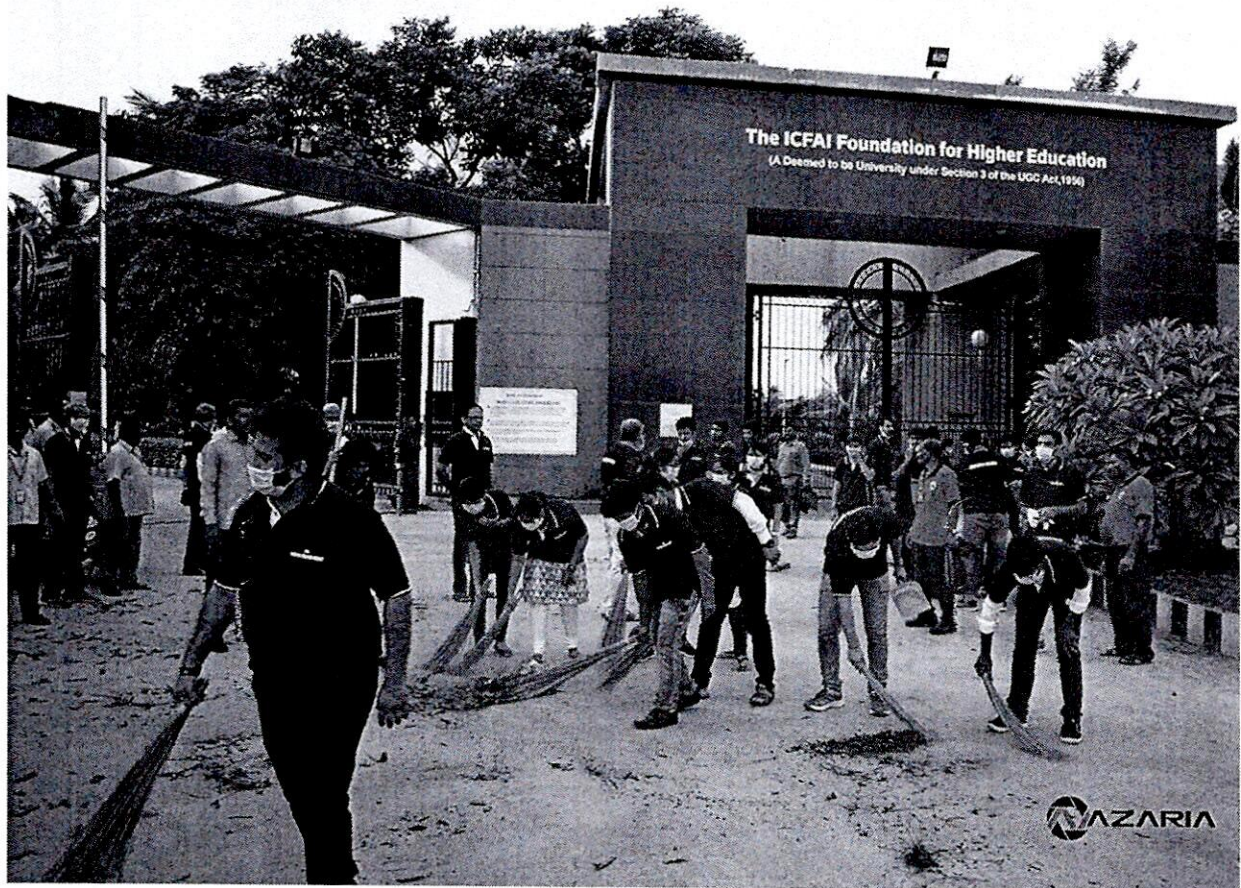
Students & Faculty of IFHE undertook following activities:

- Create awareness and importance of planting trees to the people in the communities around Hyderabad.
- Inculcate tree consciousness and love of trees amongst the people.
- Popularize the planting and tending of trees in farms, villages, municipal and public lands for their aesthetic, economic and protective needs.
- Cleaning rallies

² Project team refers to personnel at IFHE Campus











Environmental consciousness and Entrepreneurship

The students gained Hands on experience in this workshop. Composting satisfies the proximity principle and is the most sustainable waste management option available for dealing with biodegradable household waste in that the producer is responsible for the segregation, treatment and ultimate end-use of the waste. Compost and organic matter is a renewable and sustainable resource.

Reliance on landfill and negative environmental associations with waste disposal by this method will be reduced. Compost is an effective soil conditioner replacement, which conserves soil organic matter and maintains and improves soil physical properties.



S. Vijayalakshmi.

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