

(Renewal) Environment Audit Certificate (As per Green Building Parameters)

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 **2025-2026** to the Esteemed Institution

(Analysed for the period of one academic year session)

Khandesh College Education Society's

Institute of Management & Research (Autonomous) Jalgaon

Behind DIC, National Highway 53, Jalgaon, Maharashtra Pin: 425001

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

Issued for data pertaining **June 2025 onwards** Issued on **22 January 2026** valid till **31 December 2026**



Ar. Nahida Abdulla Shaikh

IGBC Accredited Professional, ISO Certified I. A. (IMS)

Assocham GEM Certified Professional (Regn. No. 22/718)

Project Head and Green Building Professional-Consultant

Sustainable Academe I Sustainability Department of Greenvio Solutions, Naigaon

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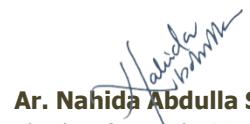
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Energy Usage Certificate

Date of preparation: 24 January 2026

Statement

A 'Plan of Action' is based on study of **academic year 2025-26 to be executed in next one year from date of document issued**. The study emphasizes on existing consumption patterns, strategies adopted, and inferences that can improve power and utilization pattern.

Usage (Energy loads)

- ⌚ The total amount spent was **Rs. 6,77,342/-**
- ⌚ **Total units consumed was 40,748 kWh (Only Electrical)**
- ⌚ The total units consumed in past one year was **ZERO kWh (Only solar)**
- ⌚ **Alternate source of energy is 'NOT' available**
- ⌚ **Percentage of energy met by alternate Renewable source is zero**
- ⌚ The following documentation is based on consumption practice on a regular working day.

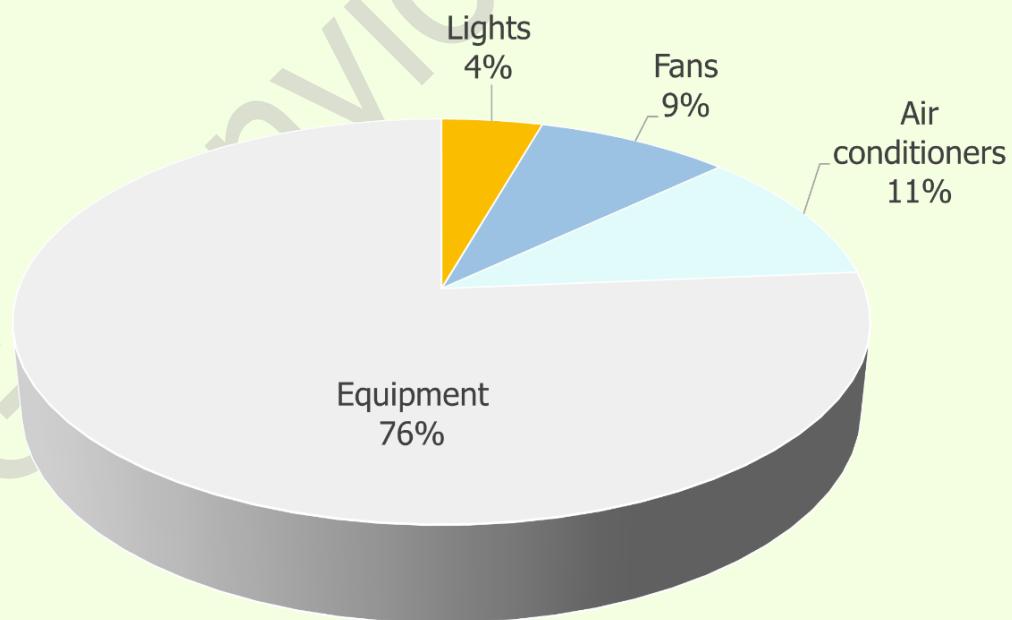


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that equipment consume 76% whereas air conditioners consume 11% while the fans consume 9% and the lights consume 4% of total calculated electrical energy.

Calculated Electrical requirement (in kWh) as per inventory

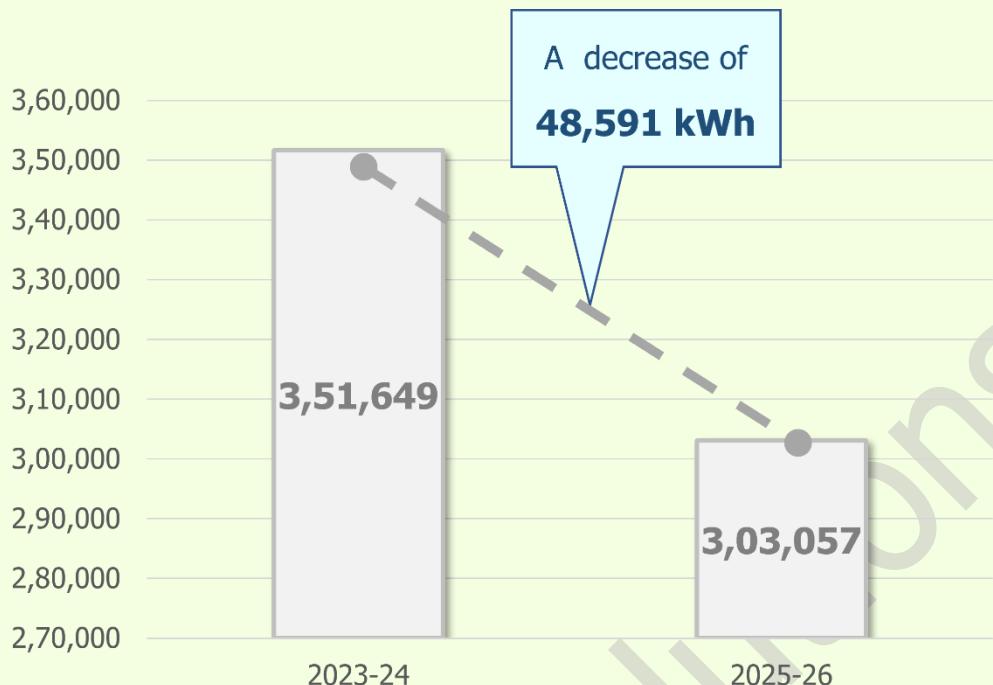


Figure 2: Comparative study of electrical requirement in kWh

There has been a decrease.

Objectives

Measures towards *stakeholder sensitization* and power, life-safety management

Implementation

- Wherever there is a fire extinguisher display the PASS board in English and local language
- The switches should be indicated with symbols or Alphabets
- Include 'Restricted area ZONE' board for access near terrace area

History

The AICTE Environment 2020 was referred to draft this document.

Environment Usage Certificate

Date of preparation: 24 January 2026

Statement

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Motive (Green cover)

- ⦿ Stakeholder sensitization of the flora within the premises
- ⦿ Introduce experiments and workshop related to SDG's in the syllabus of the stakeholders
- ⦿ Compliance status - Plantation



Plate 1: Plantation details

There is an increase

Implementation

- ⦿ Make a list of all the plantations in the premises and start numbering the plantations.
- ⦿ Install CO₂ monitor in public areas of indoor areas such as porch and AQI meter in outdoor areas near compound wall

History

The Indian and International Green Building Standards were referred to draft the document.

Green Building Management

Date of preparation: 24 January 2026

Statement

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Proportion study

- ➲ The total water requirement is **27,28,115 litres**
- ➲ The drinking water requirement is **2,09,855 litres**

Steps

- ➲ Undertake Unnat Bharat Abhiyan project
- ➲ Every water tank/ external pit/ water cooler should be painted with information as follows:
 - Nos.
 - Capacity in cu. Litres or litres
 - Usage – Primary (Drinking); Tertiary (Rain water) and Secondary (Cleaning, washing, flushing, watering etc.)
 - Last cleaning maintenance date and by whom
 - Name and logo of the Institute
- ➲ Introduce zone boards (Optional through mention of state/ central govt. acts) at entrance of the premises in an enlarged A1 poster

History

The Indian and International Green Building Standards were referred to draft this document.

ENERGY AUDIT

STUDY PERIOD (ONE YEAR) 2025-2026

AUDIT REPORT

Studied for

Khandesh College Education Society's
**Institute Of Management & Research
(Autonomous) Jalgaon**

Behind DIC, National Highway 53, Jalgaon,
Maharashtra Pin: 425001

Studied in the capacity of

Accredited and Certified
Green Building Professional



Email: greenviosolutions@gmail.com

Disclaimer

The Audit Team has prepared this report for **Khandesh College Education Society's Institute Of Management & Research (Autonomous) Jalgaon** located at Behind DIC, National Highway 53, Jalgaon, Maharashtra Pin: 425001 based on input data submitted by the Institute analysed by the team to the best of their abilities.

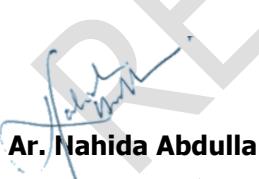
The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. 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 internal team. 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.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm with the Project Head - Ar. Nahida Shaikh who is as an Accredited and Certified Green Building Professional-Architect. Green Building consultancy is her forte and she is one of the most sought-after names when it comes to providing excellent quality services within the stipulated time frame.

The Study is conducted in capacity of Accredited & Certified Green Building Professional with extensive experience.


Ar. Nahida Abdulla

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Developing Healthy and Sustainable Environment
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Acknowledgement

The Audit Assessment Team extends its appreciation to **Khandesh College Education Society's Institute Of Management & Research (Autonomous) Jalgaon, Maharashtra** for assigning this important work of Energy Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are extended are due to everyone from the Management.

We are also thankful to Institute's Task force who have played a major role in data collection.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

RENEWAL REPORT

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1. Introduction

1.1 About the Institution

1.1.1 Vision

The Institute proposes *"Committed to provide value based, quality, professional and technical education to the students and empowering them with the required skillsets and competencies to face challenges of the fast-changing global environment."*

1.1.1 Mission

The Institute focuses:

- ⦿ To provide necessary technical and professional education with a view to uplifting the lives of rural and urban students.
- ⦿ To create a conducive platform for students to develop their skills and knowledge.
- ⦿ To encourage innovation and research aptitude among students.
- ⦿ To inculcate global ethics and human values in all the learners.

2. Overview

2.1 Summarised Populace analysis for 2025-26

2.1.1 Students data

The data (shared by Institute) shows there were 1,703 students. (Male and female)

2.1.2 Staff data

Above data documents 83 staff members.

Thus, total populace stands at 1,786 nos.

3. Documentation

Section 1 - Life safety management

3.1 Facilities study

No geotagged photos were provided.

S. No.	Aspect	Yes/ No	If yes, total nos.	Location	Last check date
1	Fire pump (Jockey pump)	NO			
2	Fire hydrant				
3	Underground (UG) and Terrace Level FIRE Water Tanks	Yes	1	Terrace	29-12-2025
4	Automatic Fire off (Fire balls)				
5	Fire extinguishers	Yes	6	Each floor	
6	Hose reel Assembly on all floors	No			
7	Sand buckets	No			
8	Smoke detectors	No			
9	Automatic Sprinkler Systems	No			
10	Manually Operated Electrical Fire Alarm and Detection Systems	No			
11	Display of emergency contact				
12	Nos. of Staircases	1			
13	Total nos. of floors	4			
14	Basement	1			
15	Illuminated exit signs	Nil			
16	Emergency lighting on escape routes and at staircase landings	NIL			
17	Compartmentation	Nil			

Table 1: Fire and life safety

Section 2 - Energy generation & expense incurred

3.2 Load distribution study

3.2.1 Categorization

The campus has EDUCATIONAL facility thus the type of load can be stated as 'COMMERCIAL'

3.2.2 Primary sources of energy consumption

- ⦿ **Electrical (Metered)** – Light, Fans, Equipment, Pumps comprise these sources.
- ⦿ **Alternate sources of energy consumption** – These sources are NOT available.

3.2.3 Secondary sources of energy consumption

The sources include:

Secondary sources		Yes/ No
1	Batteries	43
2	Gas cylinders	0
3	Generator	1
4	Inverters	0
5	Servo Stabilizer	1
6	UPS	23
7	IoT system	0

Table 2:Secondary sources of energy consumption

3.3 Technical payload study

The provided details are documented below (Connected to Block B, Block F, Block I)

S. No.	Month	Year	Amount	(A) Total units consumed	(B) Solar units generated	(C = A-B) Gross units consumed after deduction
1	June	2025	1,17,817	7,130	0	7,130
2	July	2025	1,36,847	8,627	0	8,627
3	August	2025	1,40,056	8,231	0	8,231
4	September	2025	1,47,736	8,619	0	8,619
5	October	2025	1,34,886	8,141	0	8,141
6	November	2025	Reading Un available due to revamp of electrical system of the premises			
7	December	2025	Transformer being shifted & New control panels set up in a separate room			

Table 3: Details of the electrical consumption

The observation related to above information states:

- ⌚ The total amount spent was **Rs. 6,77,342/-**
- ⌚ Total units consumed was **40,748 kWh (Only Electrical)**
- ⌚ The total units consumed in past one year was **ZERO kWh (Only solar)**
- ⌚ Alternate source of energy is 'NOT' available
- ⌚ Percentage of energy met by alternate Renewable source is **zero**

Section 3 – Energy consumption

3.4 Calculated electrical consumption study

(Energy consumption by the electrical appliances study)

The following documentation is based on the consumption practice on a regular working day.

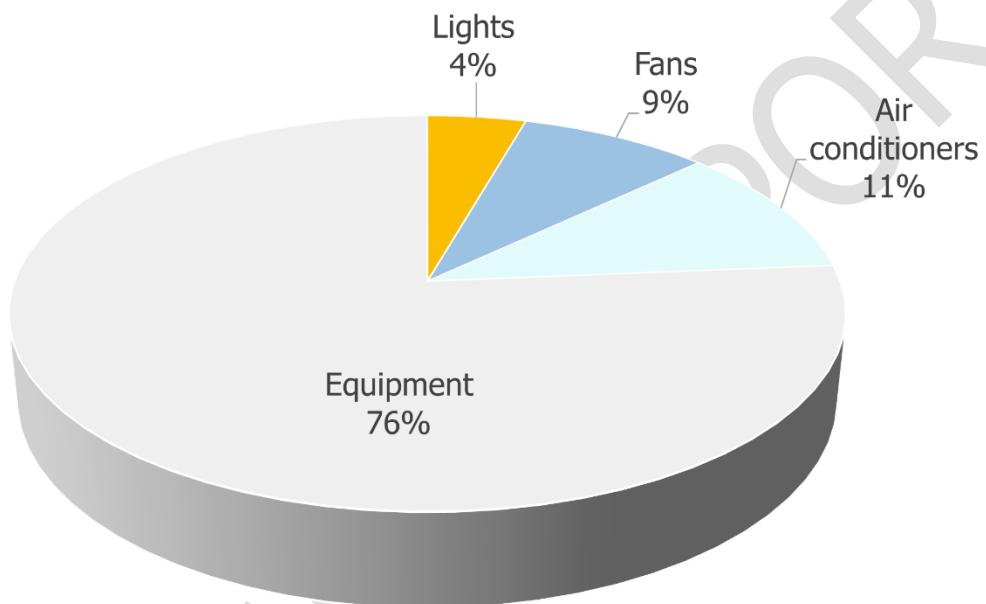


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that equipment consume 76% whereas air conditioners consume 11% while the fans consume 9% and the lights consume 4% of total calculated electrical energy.

3.5 Lights

3.5.1 Types of lights based on the numbers

There are **382 LED (Energy efficient appliance)** lights on the premises.

3.5.2 Types of lights based on the power consumption

The energy consumption of lights is **13,466 kWh** of energy **consuming 100%** of the total power consumed by lights.

3.6 Air conditioners

3.6.1 Types of air conditioners based on the numbers

There are **23 air conditioners** on the entire premises.

3.6.2 Building-wise consumption analysis

The energy consumption of air conditioners is **32,266 kWh** of energy.

3.7 Fans

3.7.1 Types of fans based on the numbers

There are **310 fans** on the premises as follows:

S. No.	Type	Nos.
1	Ceiling fans (Regular)	224
2	Energy efficient/ Smart ceiling fans	84
3	Wall mounted fans	2

Table 4: Summary of the types of fans in the premises

3.7.2 Types of fans based on the power consumption

The energy consumption of fans is **25,986 kWh** of the energy.

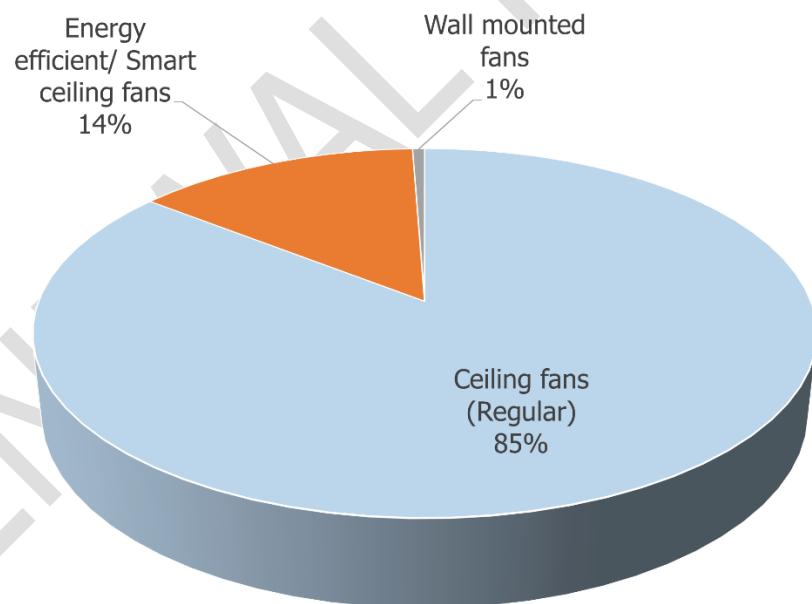


Figure 2: Types of fans based on power consumption

The above analysis shows Ceiling fans (Regular) consume 85% whereas energy efficient fans consume 14% and wall mounted fans consume 1% of total power consumed by fans.

3.8 Equipment

Only the major appliances information was shared.

3.8.1 Types of Equipment

There are **698 nos. of equipment** in the premises.

3.8.2 Types of equipment as per their energy contribution

The energy consumption of equipment is **2,31,340 kWh** of energy.

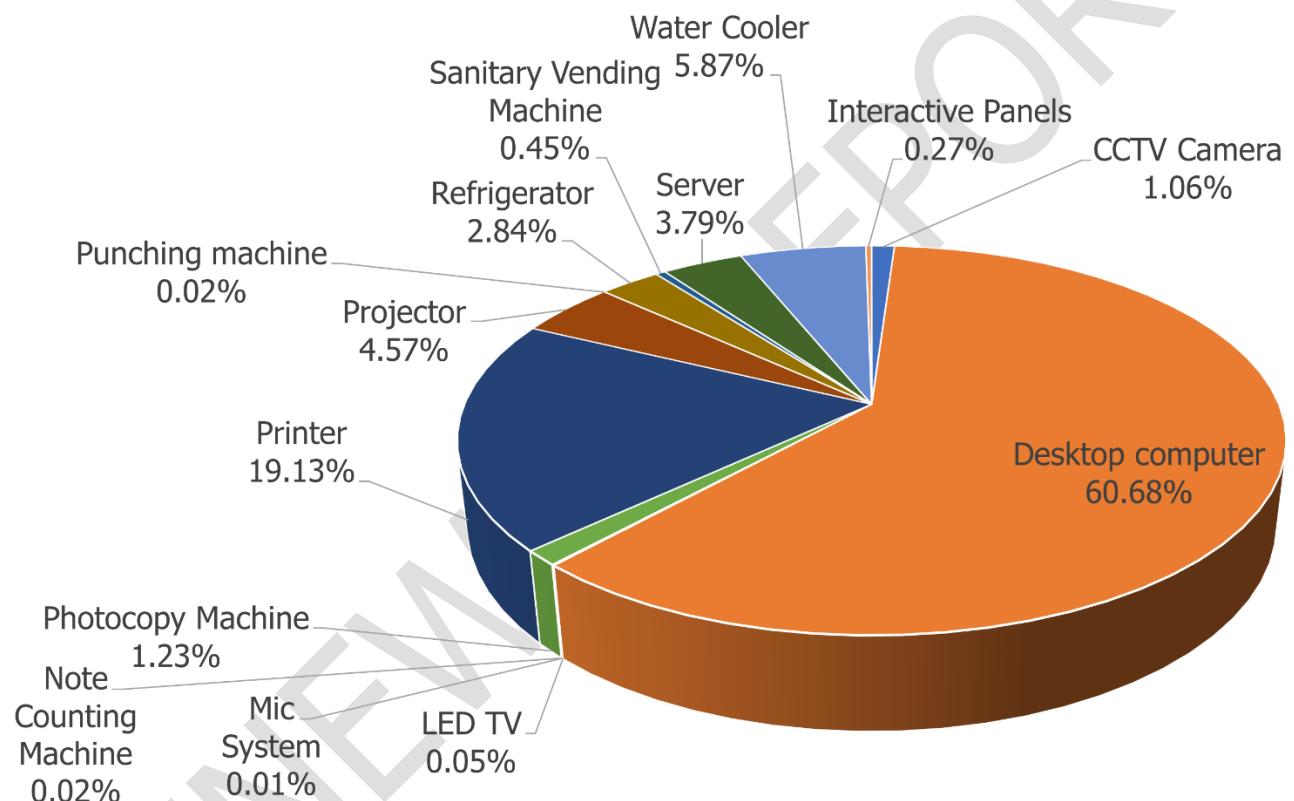


Figure 3: Energy consumed by types of equipment in the educational sector based on the usage study

The above summary shows that **desktop computer consumes more energy at 60.68%** while the **printer consumes 19.13%** whereas **water cooler consumes 5.87%** and **projector consumes 4.57%** these are major consumers as compared to other equipment.

3.9 Comparison study

A. Calculated Electrical requirement (in kWh) as per inventory

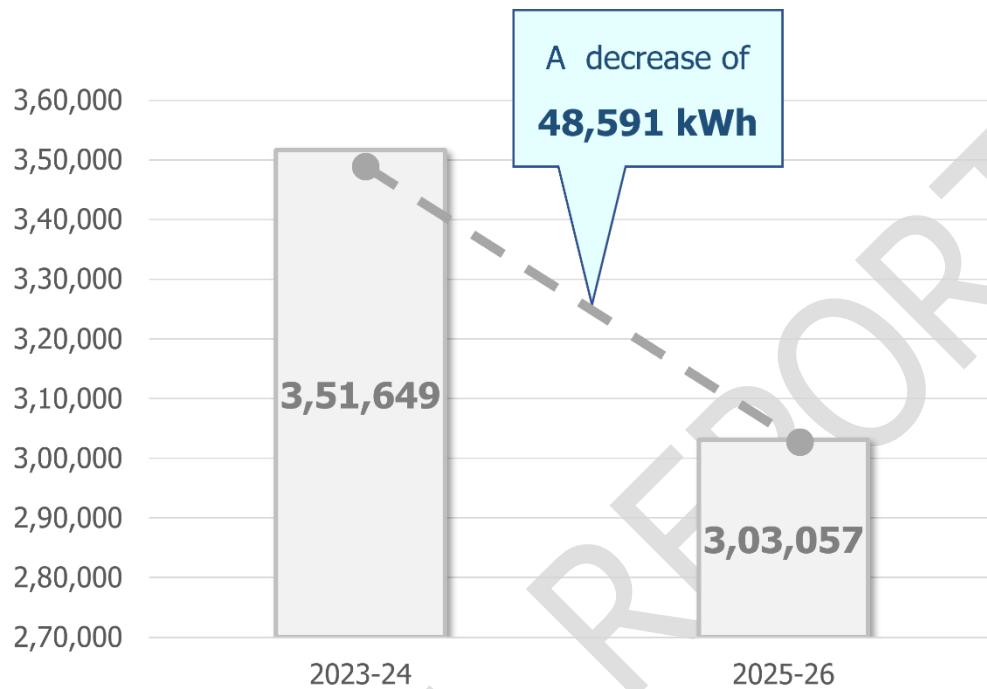


Figure 4: Comparative study of electrical requirement in kWh

There has been a decrease.

4. Compliance

The compliance study was carried out through investigative ways. This was done to understand extent of implementations based on previous reports.

- ⌚ Original report study was for 2019-20 and 2020-21
- ⌚ Renewal was done for 2021-22 and 2022-23
- ⌚ Renewal was done for 2023-24
- ⌚ Renewal study is currently done for June 2025 onwards

4.1 Compliance status

Purchases/ Association between 1 June 2025 to 31 May 26		
Aspect	Nos.	Amount
Gas cylinders for Laboratory	NA	
Gas cylinders for Canteen (If given to external vendor, please exclude)	NA	
Solar panels		

Undertaken between 01 June 2025 to 31 May 2026		
Aspect	Yes/ No	Date
Fire drill	Yes	13-10-2025
Earthquake drill	NIL	
Disaster drill	Yes	12-10-2025

Table 5: Compliance

5. Suggestion

The suggestion (inference) would act as a 'PLAN OF ACTION' to implement all the suggestions in a detailed manner.

- ➲ Conduct the 'Before' and 'After' study with photos
- ➲ Document the same in 'Action taken report'

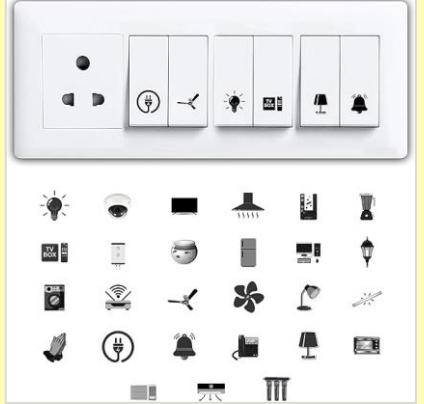
S. No.	Aspect with evidence if any	Suggestion
1.	Fire and Life safety aspect <u>Aspect area:</u> Signages and display for awareness	Wherever there is a fire extinguisher display the PASS board in English and local language
2.	Energy consumption aspect <u>Aspect area:</u> Signages for the switches	<p>The switches should be indicated as follows:</p>  <p>Image source: Amazon</p>
3.	Structural safety aspect <u>Aspect area:</u> Safety signages	<p>Include 'Restricted area ZONE' board for access near terrace area</p>  <p><small>shutterstock.com · 1743433622</small></p> <p>Sample signages</p>

Table 6: Observation based suggestion study of the campus

6. Compilation

The study is based on the data collected, analyzed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyze and study the data collected.

Specific references for study related to energy

- ⌚ <https://www.energy.gov/eere/buildings/zero-energy-buildings>
- ⌚ <https://www.dsarchive.com/zero-net-positive-energy>
- ⌚ U.S. Energy Information Administration
- ⌚ <https://www.happysprout.com/inspiration/what-is-smart-gardening/>
- ⌚ <https://ieeexplore.ieee.org/document/6779316>
- ⌚ <https://www.murata.com/en-global/apps/industry/security/entranceandexitssystem>
- ⌚ <https://www.energuide.be/en/questions-answers/what-are-the-alternatives-to-air-conditioning/2121/>
- ⌚ IGBC Green Campus rating system Abridged Reference Guide
- ⌚ GEM Sustainability Certification Rating Program
- ⌚ Inference study reference images
 - https://seors.unfccc.int/applications/seors/attachments/get_attachment?code=NG125PFE4WHMWSYAK8TCAKIHMWX0F4QD
 - <https://housing.com/news/smart-gardening/>
 - <https://solarpowerproject.in/solar-panels-for-parking-lots.php>

ENVIRONMENT AUDIT

STUDY PERIOD (ONE YEAR) 2025- 2026

Sustainability study **AUDIT REPORT**

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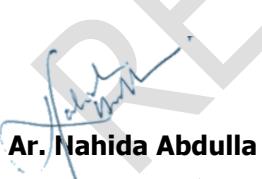
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2.1.2 Staff data

Above data documents 83 staff members.

Thus, total populace stands at 1,786 nos.

3. Documentation

3.1 Biodiversity (Flora) audit

The biodiversity includes plantations.

S. No.	Plant name	Type	Nos.	Planted by
1	<i>Azadirachta Indica</i>	Tree	6	Staff
2	<i>Standard Rose</i>	Shrub	21	Staff
3	<i>Saraca Asoca</i>	Tree	12	staff
4	<i>Areca Palm Plant</i>	Tree	35	Staff
5	<i>Crotos</i>	Shrubs	20	Staff

Table 1: Plants information

As per above data there are 94 nos. of plantations.

3.2 Fauna

No details were provided

3.3 General information

S. No.	Query	Yes/ No
1	Any research carried about flora?	NO
2	Any Publication presented about flora of campus?	NO
3	Any book prepared about flora of campus?	NO
4	Have you installed AQI monitor in campus?	NO
5	Do you undertake readings	NO

Table 2: General information

4. Compliance

The compliance study was carried out through investigative ways. This was done to understand extent of implementations based on previous reports.

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4.1 Compliance status

4.1.1 Plantation



There is an increase

5. Suggestion

The suggestion (inference) would act as a 'PLAN OF ACTION' to implement all the suggestions in a detailed manner.

- ➲ Conduct the 'Before' and 'After' study with photos
- ➲ Document the same in 'Action taken report'

S. No.	Aspect with evidence if any	Suggestion
1.	<p>Biodiversity aspect</p> <p>Aspect area: Numbering the plantations in the premises</p>	<p>Make a list of all the plantations in the premises and start numbering the plantations in either of the ways:</p> <ol style="list-style-type: none"> 1. Paint the nos. on iron plates and nail the same 2. Print nos. on paper, laminate and paste the same 3. Paint the nos. directly <p>Sample image for 3 examples are noted below.</p> <div style="display: flex; justify-content: space-around;">    </div> <p><i>Options for numbering the plantations</i></p> <p>Care should be taken that the display should be visible. Uniform color palette should be identified and used. Measures should be taken to avoid withering during monsoon. This could be undertaken as a student activity.</p>
2.	<p>Carbon footprint aspect</p> <p>Aspect area: Environment monitoring</p>	Install CO ₂ monitor in public areas of indoor areas such as porch and AQI meter in outdoor areas near compound wall

Table 3: Observation based suggestion study of the campus

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National references

- ➲ IGBC Green Existing Buildings – Operation & Maintenance (O&M) Rating system, Pilot version, Abridged Reference Guide, April 2013
- ➲ IGBC Green Landscape Rating system, March 2013

International references

- ➲ The city of Cheyenne, Streetscape/ Urban Design elements - Wyoming Planning Association, Gillette, Wyoming, United States
- ➲ Streetscape elements – Chapter 6 on San Francisco
- ➲ American lung association <https://www.lung.org/>
- ➲ Study related to air pollution <https://www.airgle.com/>
- ➲ Exploring the light pollution <https://education.nationalgeographic.org/>
- ➲ Urban heat island effect <https://www.epa.gov/heatislands/what-you-can-do-reduce-heat-islands>

GREEN AUDIT

STUDY PERIOD (ONE YEAR) 2025-2026

Sustainability study

AUDIT REPORT

Studied for

Khandesh College Education Society's
Institute Of Management & Research
(Autonomous) Jalgaon

Behind DIC, National Highway 53, Jalgaon,
Maharashtra Pin: 425001

Studied in the capacity of

Accredited and Certified
Green Building Professional



Studied by

Email: greenviosolutions@gmail.com

Disclaimer

The Audit Team has prepared this report for **Khandesh College Education Society's Institute Of Management & Research (Autonomous) Jalgaon** located at Behind DIC, National Highway 53, Jalgaon, Maharashtra Pin: 425001 based on input data submitted by the Institute 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 internal team. 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.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm with the Project Head - Ar. Nahida Shaikh who is as an Accredited and Certified Green Building Professional-Architect. Green Building consultancy is her forte and she is one of the most sought-after names when it comes to providing excellent quality services within the stipulated time frame.

The Study is conducted in capacity of Accredited & Certified Green Building Professional with extensive experience.


Ar. Nahida Abdulla

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Acknowledgement

The Audit Assessment Team extends its appreciation to **Khandesh College Education Society's Institute Of Management & Research (Autonomous) Jalgaon, Maharashtra** for assigning this important work of Green Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are extended are due to everyone from the Management.

We are also thankful to Institute's Task force who have played a major role in data collection.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

RENEWAL REPORT

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1. Introduction

1.1 About the Institution

1.1.1 Vision

The Institute proposes *"Committed to provide value based, quality, professional and technical education to the students and empowering them with the required skillsets and competencies to face challenges of the fast-changing global environment."*

1.1.1 Mission

The Institute focuses:

- ⦿ To provide necessary technical and professional education with a view to uplifting the lives of rural and urban students.
- ⦿ To create a conducive platform for students to develop their skills and knowledge.
- ⦿ To encourage innovation and research aptitude among students.
- ⦿ To inculcate global ethics and human values in all the learners.

2. Overview

2.1 Summarised Populace analysis for 2025-26

2.1.1 Students data

The data (shared by Institute) shows there were 1,703 students. (Male and female)

2.1.2 Staff data

Above data documents 83 staff members.

Thus, total populace stands at 1,786 nos.

3. Documentation

3.1 Green Practices Audit

3.1.1 Green practices

The practices undertaken as an awareness/ sensitization activity with stakeholder involvement have been documented below:

S. No.	Name of the event	Why and how was it celebrated?	Type	Date & year
1	Tree Plantation Drive	To Promote Greenery around the campus	Physical	05-Jun-25

Table 1: Initiatives undertaken by the team

3.1.2 Community development

The details of extension initiatives under various heads in Institute are documented below:

S. No.	Type	Since	Coordinator name
1	National Service Scheme (NSS)	2023-24	Mr. S N Khan
2	Jawahar Kala Kendra (JKC)	2011	Mr. Prakash Bari

Table 2: Extension initiatives

3.2 Waste Audit

3.2.1 Waste management (Actual waste)

S. No.	Type	Details
1	Solid waste (Toilets)	House Keeping Contract with Vendor.
2	Organic waste (Regular)	Drained into corporation's drainage
3	Liquid waste (Toilets, wash basins)	Collected in Septic tanks & periodically cleaned
4	Chemical waste from laboratories	Not applicable
5	Toxic waste from laboratories	Not applicable
6	Bio-waste (Sanitary)	Not applicable
7	Medical waste (Pharmacy etc.)	Not applicable
8	Construction waste and reuse (Only if applicable)	Not applicable

Table 3: Actual waste

3.2.2 Waste management (Dry waste)

S. No.	Type	Details
1	E-waste	Scrap Material Sold to Authorized Vendor Who have Licence.
2	Furniture waste	Scrap Material Sold to Authorized Vendor Who have Licence.
3	Instrument waste	Not applicable
4	Plastic bottles	Scrap Material Sold to Authorized Vendor Who have Licence.
5	Plastic packets/ tetra packs/ wrappers	Not applicable
6	Newspapers/ printing and all type of papers	Scrap Material Sold to Authorized Vendor Who have Licence.
7	Carboard waste	Not applicable
8	Tin/ cartons waste	Not applicable

Table 4: Dry waste

3.2.3 Waste management (update)

Update	Yes/ No
E-waste box for students and staff members?	
Plastic collection box for students and staff members?	No information provided
Do you have a waste management plan of action?	

Table 5: Update

3.2.4 Dustbin details

Inside buildings (block/ floor wise)			
Nos.	Floor or Block	Type (Small-Medium-Large)	Material
4	4	Medium	Plastic
Dustbins Outside building in open areas			
Nos.	Location	Type (Small-Medium-Large)	Material
2		Large	Plastic

Table 6: Dustbin nos.

5.3 Water Audit

5.3.1 Water availability and consumption

5.3.1.1 Source of Primary water supply

Is your water supply system connected to Public Distribution system (PDS) that is government supply (Yes/ No)	INFORMATION NOT PROVIDED
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S. No.	Type	Nos.	Location	Per tank capacity	Total Capacity (litres)	Last cleaning date
1	Underground	Yes 1	East side	20 x 15 ft	10,000	15-12-2025
2	Overhead	Yes 2	Terrace	2 X (6 x 7 ft)	10,000	15-12-2025
3	Fire tank	Yes 1	Terrace	4.5 x 5 ft	2,000	15-12-2025
4	Rain water harvesting					
5	RO Plant				NA.	
6	Plastic bottle (20litres) dispenser	Yes 4				

Table 7: Primary Water supply details

Date of last water testing done externally? and 'Date and year when the water tank was purchased?' – NIL

5.3.1.2 Source of Secondary water supply

The Institute uses water supply for secondary usages such as watering plants, toilets, and wash basins and other spaces.

Type	Available (Yes/ No)	Functional (Yes/ No)	Depth in ft.	Recharged? (Yes/ No)	Capacity (litres)	Nos.
Underground pit	20 x 15 ft	Yes	15 ft	Yes	10,000	1

Table 8: Secondary water sources

Overflow connected to rain water harvesting pit/ Any specific output (tap) - YES

5.3.1.4 Water proportion study

- As per the Chapter 2 of the Report, total footfalls in premises were **1,786 nos.**
- The total water requirement is **27,28,115 litres**
- The drinking water requirement is **2,09,855 litres**
- Any kind of deficiency in availability of water supply was not informed.

5.4 Health and Hygiene Audit

Health			
S. No.	Aspect	Yes/ No	If yes, in what manner?
A.	Physical Healthcare		
1	On-site medical clinic	NO	
2	First aid kit, the nos. and locations	Yes	1 First Aid Kit in the Sports room
3	Ambulance service	NO	
4	Health screenings	NO	
5	Vaccination programs	Yes	Rubella Vaccination program done for Girls
6	MoU with local hospital	NO	
B.	Mental Health Support		
1	Counselling services	Yes	Done by Bhagirath Counselling center
2	Mental Health Awareness Programs	Yes	As part of Yuvati Sabha Undertaken regularly
3	Accessibility to Mental Health Professionals	Yes	MOU with a leading Counselling organisation
C.	Health Education and Promotion		
1	Health Literacy Program	NIL	
2	Health Lifestyle Promotion - Physical activities, eating habits etc.	NIL	
3	Canteen/ Mess	Yes	
4	Canteen/ Mess outsourced or internally managed	Outsourced	
5	Accessible Health information		
6	Display of Emergency contact nos.	Yes	

Hygiene				
S. No.	Aspect	Yes/ No	If yes, in what manner?	
A.	Cleanliness			
1	How many times are washrooms cleaned in a day?	2	House Keeping workers are outsourced for the purpose.	
2	How many times are outdoor areas cleaned in a day?	2	House Keeping workers are outsourced for the purpose.	
3	How many times are indoor areas cleaned in a day?	2	House Keeping workers are outsourced for the purpose.	
4	Pest control for library done by whom, when and how frequently?			
5	Pest control of campus done when, by whom etc.?			
B.	Facilities			
1	Sanitary vending machines and their nos.	1	Vending Machine is installed in the Ladies Washroom	
2	Sani bins			
3	Ladies common rooms	1	Facility for relaxation, and provision to take Lunch is available	
4	Nos. of Hand wash areas in indoors	8	Wash Basin available in Toilets	
5	Nos. of Hand wash areas in outdoor (Outside building) within compound	1	Wash Basin available in Parking Area	

Table 9: Details about the health and hygiene aspects

4. Compliance

The compliance study was carried out through investigative ways. This was done to understand extent of implementations based on previous reports.

- ⌚ Original report study was for 2019-20 and 2020-21
- ⌚ Renewal was done for 2021-22 and 2022-23
- ⌚ Renewal was done for 2023-24
- ⌚ Renewal study is currently done for June 2025 onwards

4.1 Compliance status

The nos. of dustbins were not provided.

5. Suggestion

The suggestion (inference) would act as a 'PLAN OF ACTION' to implement all the suggestions in a detailed manner.

- ➲ Conduct the 'Before' and 'After' study with photos
- ➲ Document the same in 'Action taken report'

S. No.	Aspect with evidence if any	Suggestion
1.	Green practices aspect	Undertake Unnat Bharat Abhiyan project
2.	<p>Water aspect</p> <p><u>Aspect area:</u></p> <p>Information display</p>	<p>Every water tank/ external pit/ water cooler should be painted with information as follows:</p> <ul style="list-style-type: none"> ➲ Nos. ➲ Capacity in cu. Litres or litres ➲ Usage – Primary (Drinking); Tertiary (Rain water) and Secondary (Cleaning, washing, flushing, watering etc.) ➲ Last cleaning maintenance date and by whom ➲ Name and logo of the Institute
3.	<p>Health & Hygiene aspect</p> <p><u>Aspect area:</u></p> <p>Zone demarcation through signages</p>	<p>Introduce zone boards (Optional through mention of state/ central govt. acts) at entrance of the premises in an enlarged A1 poster</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>THIS IS A TOBACCO FREE CAMPUS</p> <p>FOR THE HEALTH OF OUR RESIDENTS, EMPLOYEES AND VISITORS SMOKING IS NOT PERMITTED ON THIS CAMPUS</p> <p>THIS INCLUDES ALL BUILDINGS, PARKING LOTS AND GROUNDS</p> </div> <div style="text-align: center;">  <p>THIS IS A SMOKE FREE AREA</p> <p>NO SMOKING</p> <p>Smoking is prohibited within 6 metres of openings into this building including doors, windows and any air intake.</p> </div> </div> <p><i>Sample images for zones</i></p> <p>Image source: Compliance signs</p>

Table 10: Observation based suggestion study of the campus

6. Compilation

The study is based on the data collected, analyzed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyze and study the data collected.

- ➲ IGBC Green Existing Buildings – Operation & Maintenance (O&M) Rating system, Pilot version, Abridged Reference Guide, April 2013
- ➲ IGBC Green Landscape Rating system, March 2013

