

GREEN AUDIT REPORT 2022-2023

GOVERNMENT COMMERCE COLLEGE, KOTA

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Green Audit report

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1.Introduction

Conducting a green audit is crucial for the college to assess their resource usage, such as energy and water, and identify areas where improvements can be made to save costs and benefit the environment. This process not only looks at internal practices but also considers external factors affecting the environment. It helps in still awareness about health and environmental issues among students and staff, promoting values of sustainability. Given the current climate crisis and resource scarcity, it's vital to ensure that our activities are not excessively depleting resources or harming the environment. Green audits provide a structured approach to achieving this, helping institutions transition to more environmentally friendly practices. Moreover, regulatory bodies like the National Assessment and Accreditation Council (NAAC) require educational institutions to submit annual green audit reports, highlighting the importance placed on environmental responsibility. Additionally, such audits align with the corporate social responsibility of colleges to contribute to reducing global warming by implementing measures like reducing carbon emissions. Overall, green audits foster a culture of environmental consciousness within educational institutions.

Environmental Setting google map of the college



Goals Of Green Audit

Conducting a Green Audit is crucial for institutions as it serves as a vital tool for self-assessment, showcasing their commitment to addressing environmental challenges. The college has maintained a consistent focus on environmental cleanliness since its establishment. Thus, the current green audit aims to comprehensively outline the framework for environmental sustainability, adhering to relevant regulations, policies, and standards.

Key objectives of this audit include mapping the college's geographical location, documenting plant diversity, evaluating strengths and weaknesses in green practices, assessing waste management facilities, and enhancing environmental awareness campus-wide. Additionally, it involves identifying and documenting existing green initiatives, estimating energy requirements, monitoring consumption patterns, identifying environmental risks, analyzing issues, and proposing solutions.

The ultimate goal is to pinpoint areas for improvement and provide recommendations to enhance the college's Green Campus status.

Benefits of green audit

There are many advantages of green audit to an Educational Institute:

1. It would help to protect the environment in and around the campus.
2. To analyze the energy consumption pattern of the college.
3. Recognize the cost saving methods through waste minimization and energy conservation.
4. Empower the organization to frame a better environmental performance.
5. It portrays good image of institution through its clean and green campus.
6. It will help us in understanding how much of carbon foot print is generated.

Finally, it will help to build positive impression for through green initiatives the upcoming NAAC visit.

Objective and scope

The broad aims/benefits of the eco-auditing system would be

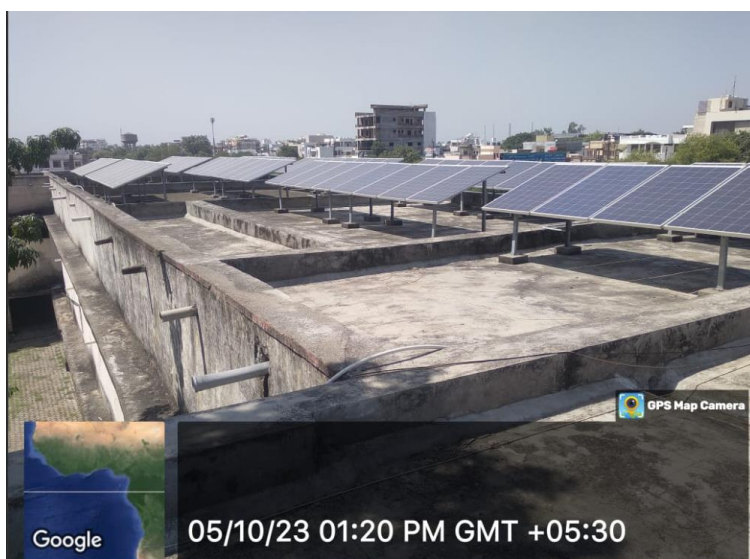
- Environmental education through systematic environmental management approach
- Improving environmental standards
- Benchmarking for environmental protection initiatives
- Sustainable use of natural resource in the campus.
- Financial savings through a reduction in resource use
- Curriculum enrichment through practical experience
- Development of ownership, personal and social responsibility for the College campus and its environment • Enhancement of College profile
- Developing an environmental ethic and value systems among young people.

Action taken report

• DETAILS OF TREES AND PLANTS IN CAMPUS

S.NO.	Common Name	Botanical Name	Number of plants
1.	NEEM	Azadirachta Indica	
2.	MEETHA NEEM	Bergera Koenigii	
3.	RUDRAKSH	Elaeocarpus Angustifolius	
4.	ARJUN	Terminalia Arjuna	
5.	ASHAPAALA	Monoon Longifolium,	
6.	SITA ASHOK	Saraca Asoca	
7.	BOTTLE BRUSH	Callistemon Lanceolatus	
8.	DRUM STICK	Moringa Oleifera	
9.	BAMBOO	Bambusa Vulgaris	
10.	ALOE VERA		
11.	CHAMPA	Magnolia Champaca	
12.	SHISHAM	Dalbergia Sissoo	
13.	LAL KANER	Cascabela Thevetia	
14.	PARAS PEEPAL	Thespesia Populnea	
15.	CYCAS	Cycas Revoluta	

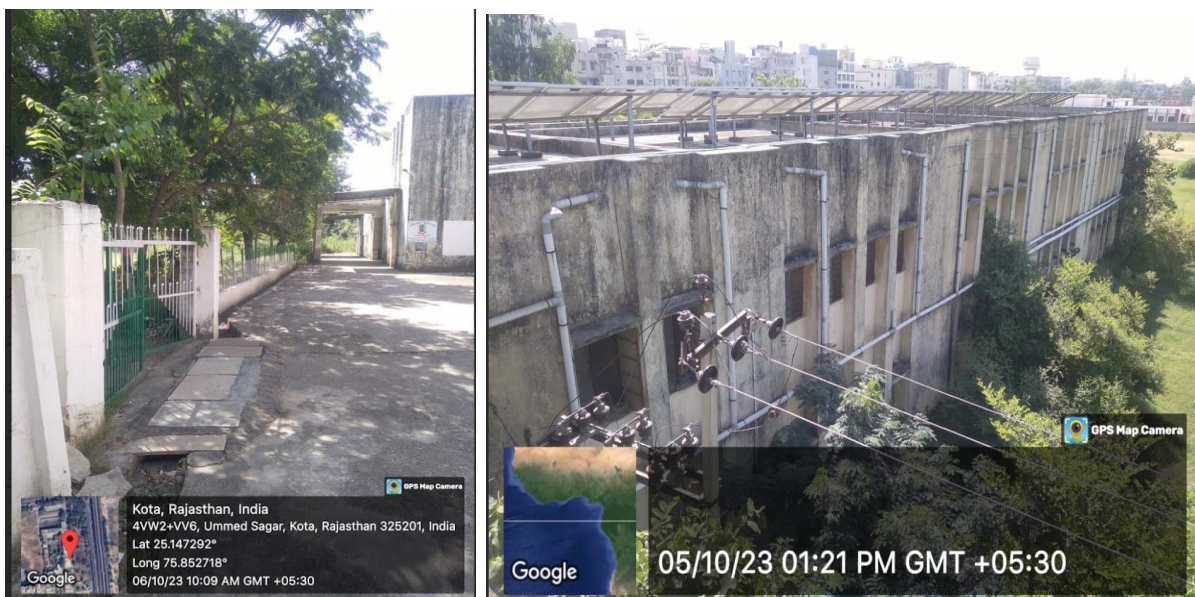
ROOF TOP SOLAR PANELS ARE INSTALLED IN THE ENTIRE COLLEGE BUILDING



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Other Healthy Practices

- a) Recycling answer Scripts and practical records
- b) Donate a plant: Students and faculty members of the college donate a plant to the college on their birthdays and anniversaries.
- c) No driving day: Students are not allowed to drive or ride into the campus, encouraging them to share and pool transport resources. The initiative is designed to encourage the practice of using Public Transportation.
- d) Promotion of Cycling: The College recognizes that the Earth is in danger due to human actions such as 'Driving'. It promotes cycling in/to the college
- e) Printing on used one sided paper: In order to minimize paper waste, reduce the carbon footprint and the cutting of trees to produce paper, the college uses used one sided paper for all their printing needs.
- f) Rain water Harvesting: The college saves a substantial amount of water through Rain Water Harvesting and the water saved is used to water the flora in the campus. The rain water harvesting strengthens the water supply to the campus lakes as well as enhance water



WATER MANAGEMENT

Water conservation is a key activity as water availability effects on the development of the campus as well as on all area of development such as farming, industries, etc. Keeping this view water conservation activity is carried out.

SOURCES OF WATER

A Main source of water is Ground water is extracted to full the requirement. At present there are two bore wells.



The college stores the water both in overhead tank and in underground water tanks.

ENERGY MANAGEMENT DIESEL GENERATOR DETAILS



The college has installed a Diesel Generator.


Executive Summary

The concept of an Eco Campus has been widely adopted by educational institutions worldwide to ensure sustainability, given their significant resource consumption and environmental impact. Waste minimization strategies are now obligatory for educational institutions to uphold campus cleanliness. Conducting Green Audits is essential to evaluate the environmental performance of educational institutions and explore solutions for transitioning them into eco-friendly campuses.

The Green Audit conducted at Govt Commerce College, Kota, aimed to assess the campus's lifestyle, actions, and their environmental impact, marking the college's inaugural green audit endeavour. This audit primarily focused on key indicators such as energy consumption (electricity), documenting plant diversity, evaluating waste management facilities, enhancing environmental awareness, estimating energy requirements, monitoring consumption patterns, analyzing identified problems, and recommending measures to improve the college's Green Campus status.

In the academic year 2019-2020, Commerce College Kota conducted an internal "Green Audit" with the main objective of evaluating the institute's green practices and producing a comprehensive audit report to gauge its progress toward sustainable development. Unfortunately, an external audit could not be conducted due to the Covid-19 pandemic.

Conclusion


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From the green audit, several conclusions can be drawn for campus improvement:

- 1) All departments generate paper waste, with the academic building notably utilizing one-sided paper for printing and writing, showcasing good practices.
- 2) Reducing the use of single-use plastic items like bottles, cups, folders, pens, bouquets, and decorative items can significantly mitigate plastic pollution.
- 3) Implementation of "Wear Mask" signages/slogans across the campus.
- 4) Rainwater harvesting from rooftops to replenish the groundwater table.

Recommendations

Key recommendations for enhancing the campus environment include:

- 1) Preparation of an environmental policy document encompassing all recommendations and current practices.
- 2) Regular monitoring and recording of generated waste, with administration access to the information.
- 3) Maximizing reuse or recycling of solid waste wherever possible.
- 4) Installation of water meters to monitor water usage within the college premises.



Donate a plant initiative by students and faculty members

Glims of the greenery of the college





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