

Raghuveer Mahavidyalaya

Green Audit Report



2021-22 & 2022-23

Prepared by

Society for Academic facilitation and Extension (Regd.)

Disclaimer

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By accepting and utilizing this report, recipients recognize and accept the terms and limitations delineated in this disclaimer. The primary purpose of this report is to offer insights and strategic guidance to facilitate Raghuv​eer Mahavidyalaya in attaining its sustainability and energy efficiency goals. It is intended as a resource for continuous improvement. The recommended actions may be implemented incrementally or holistically, based on decisions made by the esteemed Management and College authorities. It is important to note that no warranties or guarantees, either explicit or implicit, are provided herein, and the Audit Team bears no responsibility for any direct or indirect losses that may result from the use of the information, assertions, or projections contained within this report.

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Acknowledgement

We express our profound appreciation and gratitude to the distinguished members of the Managing Committee of Raghuv eer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur (UP), for their invaluable contributions and steadfast support in the completion of the Green Audit report. The dedication and collaborative efforts of the following individuals have been pivotal to the successful realization of this project:

Managing Committee:

- | | |
|----------------------|----------|
| • ARCHANA SINGH | CHAIRMAN |
| • JAY PRAKASH TIWARI | MANAGER |
| • RAJEEV TIWARI | MEMBER |
| • SHESH DHAR TIWARI | MEMBER |
| • GYANDEV DUBEY | MEMBER |

College Officials:

- | | |
|---------------------------------|----------------------------|
| • Dr. Avadhesh Kumar Srivastava | (Principal) Chairperson |
| • Dr. Kripa Shankar Yadav | Co-Coordinator |
| • Dr. Nagendra Prasad Yadav | Co-Coordinator |
| • Dr. Mayank Tiwari | Member |
| • Dr. Sanju Shukla | Member |
| • Mr. Vikash Sharma | Member |
| • Dr. Sohan Lal Yadav | Member |
| • Mr. Ravi Kumar | Member |
| • Dr. Vinod Kumar Tripathi | Management Representative |
| • Dr. Sharda Prasad Singh | Employer Representative |
| • Dr. Manoj Kumar | Administrative (Registrar) |
| • Dr. Vinay Kumar Tripathi | Local Society represent |
| • Naseem Bano | Alumni Representative |
| • Durgesh Tiwari (M.A) | Student Representative |
| • Nikita Chaurasiya (B.Ed) | Student Representative |
| • Komal Mishra (B.A) | Student Representative |

We are grateful for the cooperation and assistance provided by the entire college community, whose commitment to sustainability and environmental stewardship has greatly contributed to the success of this audit.

Sincerely,

SAFE (Society for Academic Facilitation and Extension)



About the Institution

Raghuveer Mahavidyalaya: A Center of Excellence in Higher Education

Raghuveer Mahavidyalaya, located in the serene village of Thaloi, Bhikharipur Kala, Jaunpur, Uttar Pradesh (PIN 222143), stands as a distinguished institution committed to providing quality education. Affiliated with Veer Bahadur Singh Purvanchal University, Jaunpur, and recognized under sections 2(f) and 12(b) of the University Grants Commission (UGC), the college offers an array of undergraduate and postgraduate programs. These include Bachelor of Arts (BA), Bachelor of Education (BEd), and Master of Arts (MA), catering to a wide spectrum of academic pursuits.

Under the able leadership of Principal Dr. Avadesh Kumar Shrivastava (M.A., PhD), the college is dedicated to fostering academic excellence and holistic development. The institution is managed by Lalita Shikha Samiti, with Dr. Jay Prakash Tripathi serving as the Manager, ensuring the smooth functioning of the college. Raghuveer Mahavidyalaya is also a study center for Uttar Pradesh Rajarshi Tandon Open University, Prayagraj, further broadening its educational reach.

For inquiries, the college can be contacted via email at principal.raghuveer@gmail.com or through the contact numbers 8858621010 and 8840684377. The institution's commitment to academic integrity and community service is reflected in its well-established infrastructure and its robust affiliation with reputable educational bodies.

For more information, visit the college's official website: [www.raghuveermahavidyalaya.org.in](<http://www.raghuveermahavidyalaya.org.in>). **Statements of the Institution**

- **Vision:** The college was established by the successful hands of Pandit Prithvipal Tripathi in a village named Thaloi on the Sujanganj-Machhli Shahar road in Jaunpur district, the land of Yamadagni. Before the establishment of this college, there was no any college to get higher education in the radius of 7 KM. Keeping this in view this college was established for the poor deprived backward students of this rural area to get higher education. The main objective of this college is educating rural students and connecting them to the main stream of society by providing them higher education. In view of this deficiency, Pandit Prithvi Pal Tripathi established this college and today by getting higher education from this college, the students have increased the pride of this area and this college. The society near by the college area getting new dimensions of development.
- **Mission:** The college aims to become a leading educational institution that would be recognized as a centre of excellence to impart quality education, create knowledge, integrate traditional and modern knowledge and impart inclusive education and build values, ethics and character. To create a student credit institution that inculcates experiential, innovative and lifelong learning skills. To solve societal problems. To promote and pursue all-inclusive research and development. To inculcate entrepreneurial attitude and values in the learners. To prepare the students of the college as good citizens of the nation through a socially balanced, globally informed, culture inspired and future oriented teaching paradigm. To prepare students to aspire to make significant contributions to the development of the nation through socialist and secular



strategies of education. The college will continue to foster talent and build on its rich reserves of fame and reputation.

- **Motto:** “*Asto Ma Sadgamaya Tamso Ma Jyotirgamaye*”

- **Objective:**

The college ensures openness, dedication and honesty in all its activities. The college regularly celebrates birth and death anniversaries of social reformers freedom fighters as well as national festivals as declared by the Government of India, Government of U.P. and Veer Bahadur Singh Purvanchal University, Jaunpur. The college actively engages programs and campaigns in partnership with faculty, staff and students to raise awareness on gender issues specifically the empowerment of women and environmentally conscious practices. To secure the well-being of female students, the college conducts anti-ragging sessions and campaigns such as Beti Bachao and Beti Padhao. The college has implemented rainwater harvesting. The college carries out green energy with solar pannel (LED lamps) to maintain a clean and green campus. Creation of awareness among students and faculty to use public transportation, bicycles and shared vehicles. The institute aims to enhance future academic excellence through the introduction and development of Ph.D. programs.

- **Aim of the College:**

The primary aim of Raghuveer Mahavidyalaya is to foster academic excellence and holistic development in its students by offering quality higher education in disciplines such as Arts and Education. The institution is committed to nurturing a dynamic learning environment that empowers students to realize their intellectual potential and develop critical thinking skills. With a focus on inclusive education, the Mahavidyalaya seeks to instill values of integrity, leadership, and social responsibility, preparing students to contribute meaningfully to society. Affiliated with Veer Bahadur Singh Purvanchal University and recognized by UGC, the institution strives to be a center of learning that aligns traditional academic rigor with modern educational practices.

The Natural Environs of Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur

Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur (UP), is located in a setting that gracefully balances the advantages of rural tranquility with the accessibility of contemporary amenities. Situated in one of Uttar Pradesh’s culturally significant regions, the campus stands as a peaceful enclave amidst the pastoral landscape of Jaunpur. The college is enveloped in verdant greenery, featuring meticulously maintained gardens and tree-lined pathways, providing an atmosphere conducive to both academic focus and personal reflection. These natural spaces not only enhance the aesthetic appeal but also offer a sanctuary for mental rejuvenation, fostering an environment of calm and concentration for both students and faculty.

The campus boasts several ancient trees, which serve as living monuments to the institution's rich history and enduring traditions. These towering trees provide both shade and a sense of continuity, creating outdoor spaces that are ideal for gatherings, academic discussions, and leisurely activities.



In addition to the tranquil campus atmosphere, Raghuv eer Mahavidyalaya enjoys proximity to the natural beauty of the surrounding countryside, offering students the opportunity to engage with the local environment beyond the college grounds. The nearby rivers and open spaces further enrich the sense of serenity and connection to nature. The institution's dedication to environmental sustainability is evident through initiatives such as rainwater harvesting, waste recycling, and energy-efficient practices, all of which reflect its commitment to preserving the natural ecosystem.

In summary, Raghuv eer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur, embodies a thoughtful integration of rural serenity and environmental stewardship, creating a nurturing space that promotes both academic excellence and personal growth.

Assessment of the College

- **Affiliation:** The College has all its courses approved and affiliated to **Veer Bahadur Singh Purvanchal University, Jaunpur, UP, India, A State University- Government of Uttar Pradesh; Accredited A+ by NAAC**
- **AISHE:** The College has the AISHE Code C-16019
- **Recognition:** The College is recognized by University Grant Commission (UGC) under section 2(f) and 12 (b) of the UGC Act, 1956 vide by University Grants Commission, New Delhi

Institution overview

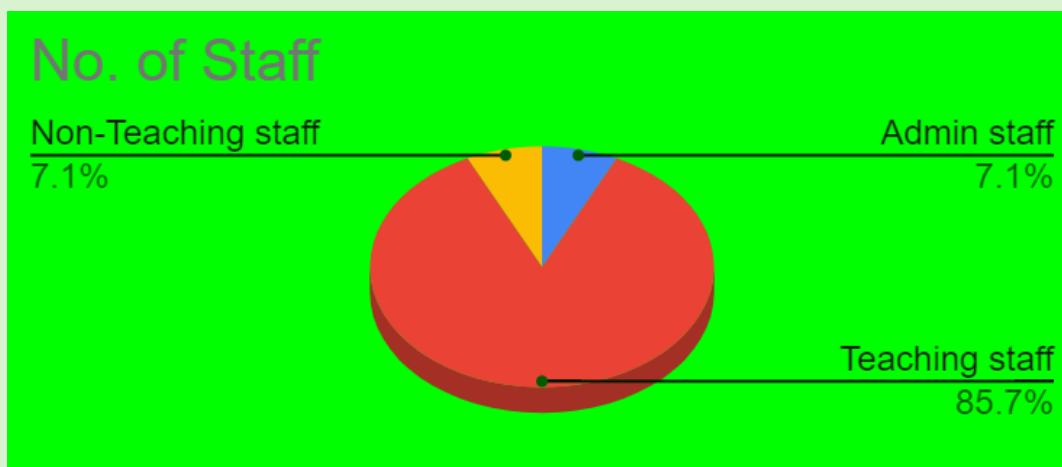
➤ **Populace analysis for Academic year 2022-23**

❖ **Staff data**

| Type of Staff | No. of Staff |
|----------------------------|--------------|
| Admin staff | 02 |
| Teaching staff | 24 |
| Non-Teaching staff | 02 |
| Total Staff Members | 28 |

Table 1: Staff data of the Institution for 2022-23





The staff data shows the premises had a total of **28** Staff Members.

➤ **Populace analysis for Academic year 2021-22**

❖ **Students' data**

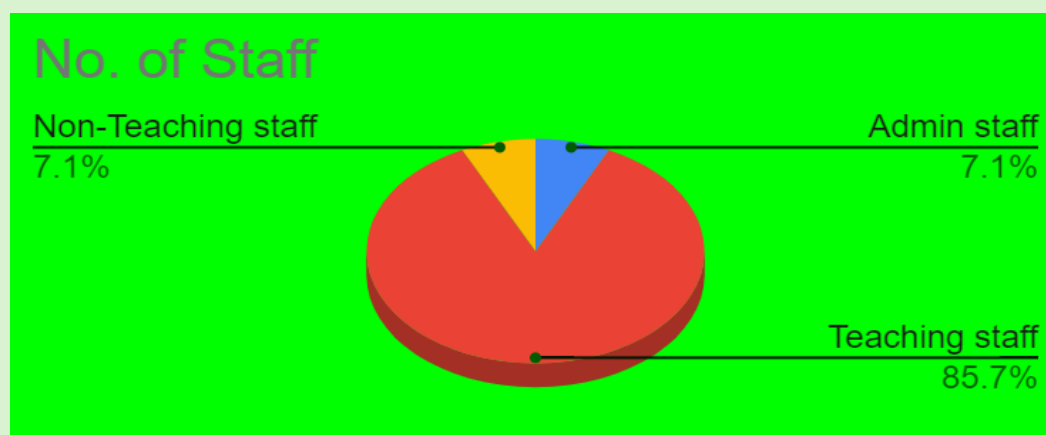
The data provided by the College indicates that there was a **total of 522** students on the premises.

❖ **Staff data**

| Type of Staff | No. of Staff |
|----------------------------|--------------|
| Admin staff | 02 |
| Teaching staff | 24 |
| Non-Teaching staff | 02 |
| Total Staff Members | 28 |

Table 2: Staff data of the Institution for 2021-2022

The staff data shows the premises had a total of **28** Staff Members.



College Infrastructure

Establishment: The College was established in 2013. The building is a Reinforced Cement Concrete (RCC) framework building. Overall, the Infrastructure of the Building is excellent in terms of the Architecture Design and Green Building Design. The Premises covers quite a few of the requirements for a Green Habitat. The infrastructure of a college refers to the physical facilities and resources that support the educational and administrative functions of the institution. It encompasses various elements such as buildings, classrooms, libraries, laboratories, administrative offices, recreational areas, and other facilities.

Spatial Organisation: The overall ambiance of Raghuv eer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur (UP), exudes warmth and approachability. The classrooms and other academic spaces are thoughtfully designed, benefiting from ample natural ventilation through large, clear-glass windows that facilitate a continuous flow of fresh air. Architecturally, the building stands out with a carefully curated color scheme that enhances its institutional character while harmonizing with the local vernacular architecture and the surrounding natural landscape, which is enriched by the presence of mature trees. This architectural synergy fosters a tranquil and conducive learning environment, where the built form seamlessly integrates with its serene backdrop. The floor-to-ceiling height exceeds 11 feet, contributing to the spatial openness. Although the premises are not equipped with lifts, essential amenities such as CCTV, fire extinguishers, a well-stocked library, and a first aid box ensure safety and functionality.

SAFE Study Audit

➤ About the SAFE Study Audit

It is a systematic study of the factors that make the institution a sustainable and healthy environment for its inhabitants.

➤ Analysis for the SAFE Study Audit

The procedure included detailed verification for the following:

Energy Audit

- Analysis of the Lights, Fans, AC, Equipment
- Renewable energy
- Scope for reducing the current energy bills if any
- Improvement in the thermal comfort of the premises

Green Audit

- Green initiatives
- Hygiene audit
- Water Audit - Analysis of the current water consumption of premises; Scope to include Rain water harvesting and Waste water treatment in premises



- Waste Audit - Current waste produced, its segregation and usage; Strategies to be adopted for waste management and awareness

Environmental Audit

- Analysis of the current landscape + hardscape of campus
- Analysis of the flora and fauna of campus
- Strategies adopted at present to enhance vegetation
- Measures that can be adopted for ecological improvement of the premises.

➤ **Strategy Adopted for SAFE Study Audit**

The strategy included data collection from the administrative department, actual inventory inspection, investigation of operation and maintenance procedures, analysis of the collected data, and preparation of the report.

Timeline of the Activities for Green Building Study Audit

- **05 September 2024** – Allotment and Initiation by the College
- **05 September 2024** – Induction meeting
- **12 September 2024** – Survey of the Student and staff submitted.
- **28 September 2024** - Site visit at the Institute
- **28 September 2024** – Submission of the report

Green Audit

Green Audit of Raghuv​eer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur

In the face of escalating global warming and climate change, it is crucial for educational institutions to adopt sustainable practices. By instilling eco-conscious values in the younger generation, we lay the groundwork for a more sustainable future. Raghuv​eer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur, exemplifies this commitment through its comprehensive green practices. During our site investigation and data verification, we observed several key initiatives common across the campus:

1. Green Practices

- **Water Waste Treatment:** The college employs a water waste treatment system that releases treated water into the fields, aiding in the replenishment of underground water levels.



2. Waste Management

- **Waste Disposal:** Every laboratory, classroom, and corridor are equipped with dustbins, ensuring proper waste disposal. Plastic bags are strictly banned across the campus, including the canteen, to minimize plastic waste.

3. Social Awareness

- **Awareness Drives:** The college actively engages in awareness campaigns on various social issues, focusing on rural upliftment and regeneration. These drives extend beyond the campus to surrounding villages, fostering a community-oriented approach to social responsibility.

4. Cleanliness Campaign

- **Swachh Bharat Abhiyan:** The college participates in the Swachh Bharat Abhiyan both on and off the premises, promoting cleanliness and hygiene among students and staff.

5. Fresh Environment

- **Eco-Friendly Ambiance:** The campus boasts an eco-friendly atmosphere with fresh air and a soothing environment, crucial for maintaining physical and mental balance. This inviting space encourages both indoor and outdoor learning, essential for a holistic educational experience.



6. Silent and Peaceful Atmosphere

- **Residential Location:** Situated amidst well-designed residential areas, the college benefits from reduced pollution levels, providing a healthy and serene ambiance conducive to learning.

7. Universal Design

- **Accessibility:** The college premises are equipped with ramps and rails, ensuring accessibility for specially-abled individuals, fostering an inclusive environment.

8. Teamwork

- **Cooperative Staff:** A standout feature of the college is its highly coordinated and cooperative staff. Just as a strong foundation is vital for a building's future, the dedicated staff members are integral to the institution's success and growth.

9. Botanical Signage



- **Plant Signages:** The practice of labelling plants and trees with their scientific names is diligently followed, enhancing botanical knowledge and appreciation among students and staff.

Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur, sets a commendable example of how educational institutions can integrate green practices into their operations, fostering an environment of sustainability and social responsibility. These efforts not only contribute to the well-being of the campus community but also serve as a model for other institutions to emulate.

Community Development and Eco-friendly Initiatives at Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur

Community Development

Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur, is deeply committed to community development through a variety of impactful programs. These initiatives include:

- **Tree Plantation:** Promoting environmental sustainability through extensive tree planting efforts.
- **Life Learning and Employability Skills Programs:** Equipping youth with essential life skills and enhancing their employability prospects.
- **Blood Donation Camps:** Facilitating voluntary blood donation to support local healthcare needs.
- **Food Kit Distribution Programs:** Providing essential food supplies to the surrounding community.
- **Relief Fund Programs:** Offering financial support and resources during times of crisis.

These programs reflect the college's dedication to social welfare and community upliftment. We commend the institution for its thoughtful planning and execution of these initiatives.

Eco-friendly Initiatives

Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur has undertaken several commendable eco-friendly initiatives aimed at environmental conservation and sustainability:

Environmental Sustainability and Green Initiatives

Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur is deeply committed to enhancing environmental sustainability through its ongoing plantation drives. These drives are integral to the college's efforts to create a greener, more sustainable campus and community. Key activities include:

- **Campus Greening:** The college campus is the primary focus for these drives. Students and staff plant a variety of trees and plants, contributing to the biodiversity of the campus and creating a more pleasant and healthy environment for all.
- **Community Participation:** The college extends its plantation activities beyond the campus, involving the local community and nearby schools. This helps to raise awareness about the importance of trees and encourages wider community engagement in environmental conservation.



Cleanliness Drive

Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur regularly organizes cleanliness drives as part of its commitment to maintaining a clean and healthy environment. These drives involve students, faculty, and staff coming together to clean the campus and surrounding areas. The National Cadet Corps (NCC) cadets, along with the Associate NCC Officer (ANO) and Army personnel, have led significant cleanliness efforts in various rural parts of Thaloi, including the Pared area. These initiatives not only promote hygiene but also instil a sense of responsibility and community service among participants.

Online Yoga Classes

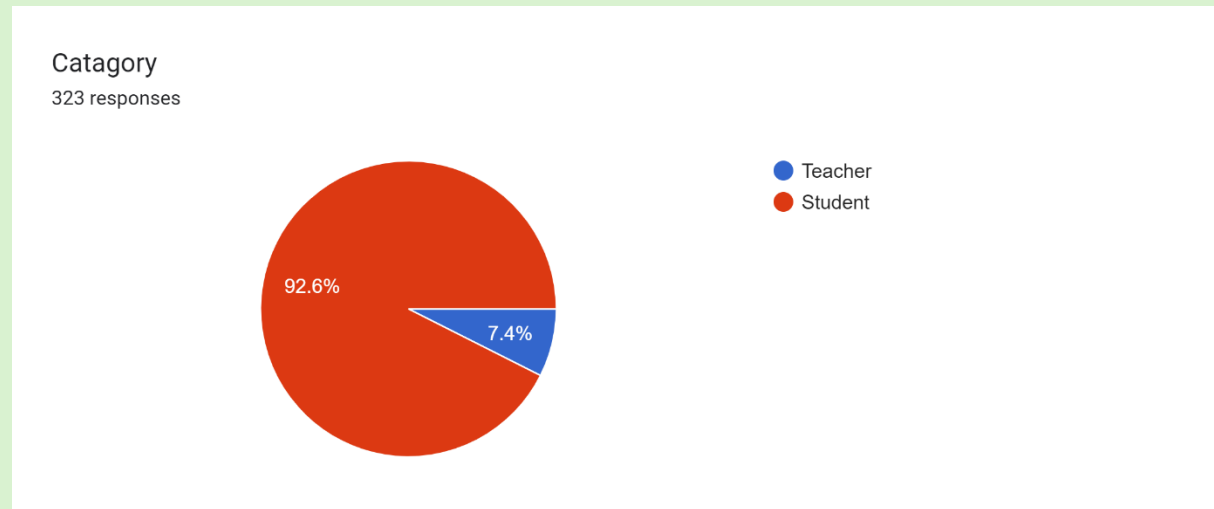
Recognizing the importance of mental and physical well-being, Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur has introduced online yoga classes. These sessions are designed to help students and staff maintain their health, reduce stress, and improve concentration, especially during times when in-person gatherings are not possible. The yoga classes, conducted by experienced instructors, cater to all levels and encourage a holistic approach to health.

- Flood relief activities -food supply, cloth collection and distribution, cleaning initiatives by
- students and teachers
- District Cleaning (Swachh Bharat), Suchitwa mission, Clean Campus Green Campus as part of
- Suchitwa Mission
- Blood donation camp, medical camp
- Workshop on Organic Fish Farming
- Swachh Bharat survey, rallies, dance performance, waste collection and segregation, imparting
- awareness on social issues
- Drive against plastic pollution for eradicating pollution in the locality
- Preparation of floor cleaners, Paper bag making, making of the handcrafted recycled shopping
- bag Talks
- Classes on Basic Mathematics, Family Budget, Financial literacy, Cybercrime Photoshop, Vedic
- Mathematics, Need for vaccinations Socio-Economic Surveys,
- Development and maintenance of the vegetable garden
- Covid - 19 Vaccine Drive

Through these diverse initiatives, Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur , demonstrates its commitment to fostering a healthy, clean, and patriotic environment for its community. These activities not only enhance the well-being of the participants but also contribute positively to the broader society.

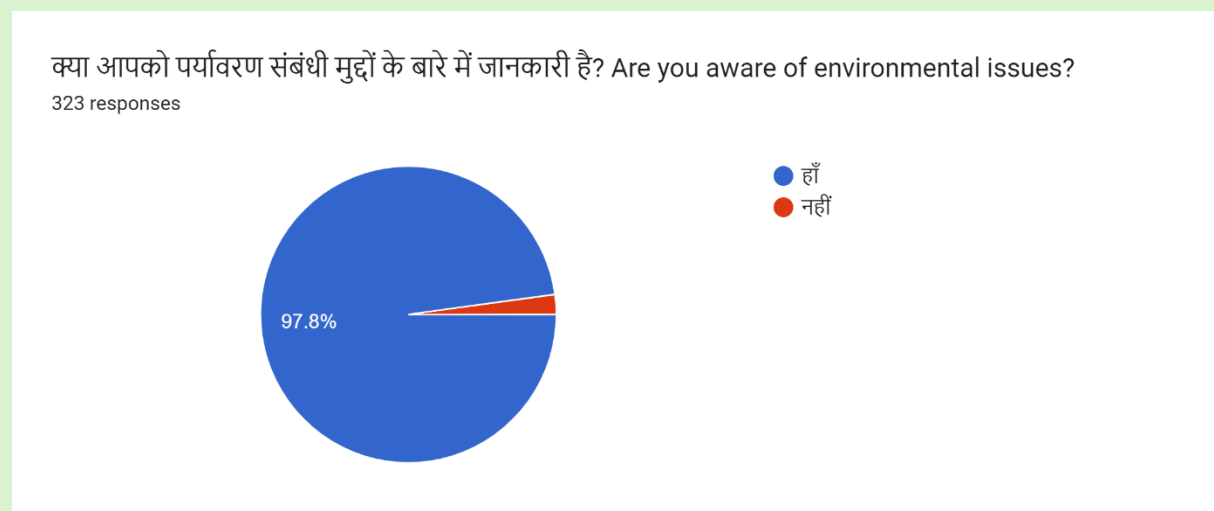


Survey Results:



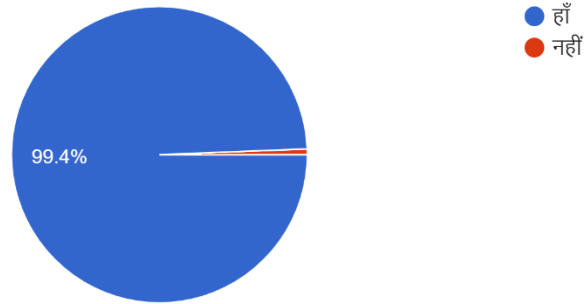
(A) Total Response: 323

92.6% Students and 7.4% Teachers



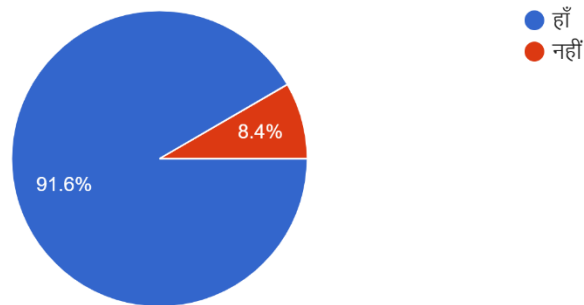
क्या आपको लगता है कि आप और आपका कॉलेज पर्यावरण के प्रति सजग है? Do you think you and your college are environmentally conscious?

323 responses



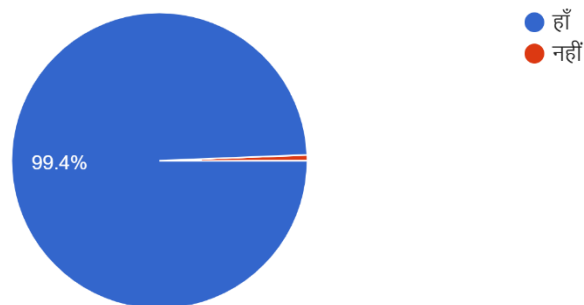
क्या आपने कॉलेज में पेड़ लगाने और पर्यावरण संरक्षण के लिए किसी अन्य कार्यक्रम में भाग लिया है? Have you participated in any other programs for tree planting and environment conservation in college?

323 responses



क्या आपको प्लास्टिक की उपयोगिता और उसके पर्यावरण पर प्रभाव के बारे में जानकारी है? Do you know about the usefulness of plastic and its impact on the environment?

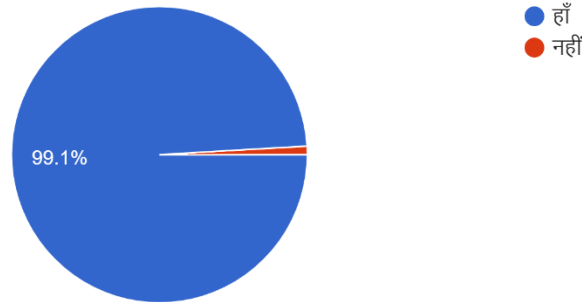
323 responses



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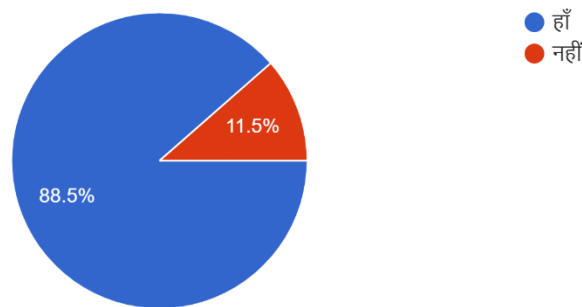
क्या आपको लगता है कि कॉलेज में प्लास्टिक का प्रयोग कम होना चाहिए? Do you think the use of plastic should be reduced in college?

323 responses



क्या आपने कॉलेज में पर्यावरण संरक्षण के लिए कोई पहल की है? Have you taken any initiative for environmental protection in college?

323 responses



Waste Audit

Waste Audit at Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur

Waste management is a critical aspect of maintaining a clean and sustainable environment within Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur . The college recognizes the importance of responsible waste handling and has undertaken a comprehensive waste audit to assess its current practices and identify opportunities for improvement.

Overview

Waste is an inevitable byproduct of daily activities, but through effective management techniques, its impact on the environment can be minimized. The waste audit aims to evaluate various aspects of waste management within the college premises, including the types of waste generated, collection locations, disposal methods, and potential opportunities for recycling and treatment.



SOCIETY FOR ACADEMIC FACILITATION & EXTENSION

Waste Produced

Types and Disposal of Waste in Premises

The college categorizes waste into different types, each requiring specific handling and disposal methods. These include:

1. Solid Waste:

- *Source and Quantity:* Biodegradable waste primarily originates from toilets, and its quantity is managed through a sewage treatment plant.
- *Current Disposal Method:* Biodegradable waste is treated through the dumping.
- *Treatment/Recycling Potential:* Yes, the biodegradable waste can be further treated or recycled. One proposed method is the installation of a small biogas plant in an open space, which can efficiently process biodegradable waste and produce renewable energy.

Collection and Segregation of Solid Waste

1. Initial Collection Points:

- **Dustbins and Waste Bins:** Throughout the campus, dustbins are strategically placed in classrooms, laboratories, corridors, common areas, and the canteen. These bins are designated for different types of waste, including organic waste, recyclable materials, and general refuse, ensuring that waste is segregated at the source.
- **Daily Monitoring:** The college has a dedicated housekeeping team responsible for monitoring and emptying these bins regularly to prevent overflow and maintain cleanliness.



Centralized Waste Collection:

- **Collection Stations:** Waste from individual bins is transported to larger, centralized collection stations located at various points on the campus. These stations are designed to hold larger volumes of waste temporarily.
- **Segregation and Sorting:** At these collection points, the waste is further sorted to ensure proper segregation. Organic waste, recyclables (such as paper, plastic, and metal), and non-recyclable waste are separated to streamline the disposal process.



Environmental Education and Awareness

5. Awareness Campaigns:

- **Student and Staff Involvement:** The college regularly conducts awareness campaigns and workshops to educate students and staff about the importance of proper waste segregation and disposal. These campaigns emphasize the environmental impact of waste and the role of individuals in maintaining a clean and sustainable campus.
- **Eco-friendly Practices:** Initiatives such as reducing single-use plastics, promoting reusable materials, and encouraging composting of organic waste are part of the college's ongoing efforts to foster eco-friendly practices.

6. Monitoring and Improvement:

- **Feedback and Improvement:** The college regularly reviews its waste management practices, seeking feedback from the campus community to identify areas for improvement. This proactive approach ensures that the waste disposal system remains efficient and effective.

Through this structured method of solid waste disposal, Raghuv eer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur , not only maintains a clean and healthy campus environment but also contributes to broader environmental sustainability efforts.

Disposal of Liquid Waste at Raghuv eer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur

Liquid waste management at Raghuv eer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur involves careful handling and responsible disposal practices to ensure environmental sustainability and safety. The method of disposal for liquid waste is as follows:

After experiments, discharged chemicals are collected in sealed plastic containers. These containers are then transported to chemical disposal pits located behind the Chemistry lab.

Source and Quantity of Liquid Waste:

- Liquid waste originates from various sources within the college premises, including offices, departments, and the canteen.
- Approximately 45 litres of liquid waste are generated per day on average.

Treatment/Recycling of Liquid Waste:

- Yes, the college treats and recycles liquid waste to minimize environmental impact and promote sustainability.

Organic waste disposal at Raghuv eer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur , follows an environmentally sustainable approach through the implementation of a vermicomposting pit. This method efficiently manages organic waste generated within the premises while promoting eco-friendly practices.

The college's vermicomposting pit serves as a dedicated facility for the collection and processing of organic waste. This waste primarily originates from two main sources:



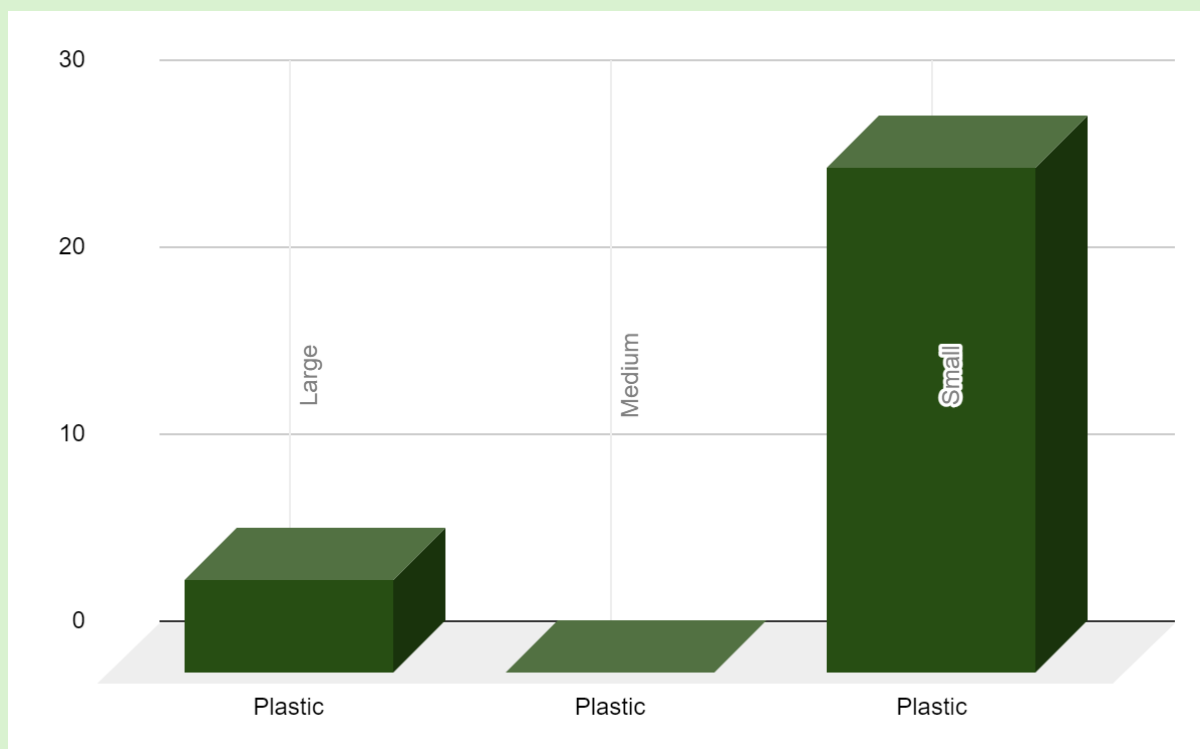
1. **College Garden:** The lush greenery of the college garden contributes organic waste materials such as fallen leaves, trimmings, and other plant matter. On average, approximately 10 kilograms of organic waste per day is generated from the garden.
2. **Canteen:** Additionally, organic waste is generated from the college canteen, consisting of food scraps, vegetable peels, and other biodegradable materials. Similar to the garden waste, the canteen produces approximately 10 kilograms of organic waste per day.

This organic waste is systematically collected and deposited into the vermicomposting pit located within the college premises. Vermicomposting involves the use of specialized worms to decompose organic matter, transforming it into nutrient-rich compost. The process is highly efficient and environmentally friendly, as it minimizes waste sent to landfills while producing valuable compost for use in gardening and landscaping projects.

Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur takes proactive steps to treat and recycle organic waste through vermicomposting, demonstrating its commitment to sustainability and responsible waste management practices. By harnessing the natural process of composting, the college not only reduces its environmental impact but also contributes to the creation of a greener and healthier campus environment.

Bins Details in the Campus

| Types of Dustbins | Quantity |
|--------------------------|----------|
| Number of LARGE Dustbin | 4 |
| Number of MEDIUM Dustbin | 5 |
| Number of SMALL Dustbin | 6 |



Analysis of the Waste Bin inside the Premises

The above graph provides an analysis of the distribution of plastic dustbins based on their size within a specific environment. Here's a breakdown of the data:

1. **Type of Dustbin:** The table categorizes dustbins based on their material, focusing specifically on plastic.
2. **Size of Dustbin:** The size of each dustbin is classified as large, medium, or small, indicating their capacity and intended use.
3. **Number of Dustbins:** This column quantifies the number of dustbins of each size category present in the environment.

Analysis:

- **Plastic Dustbins:** The data exclusively pertains to plastic dustbins, suggesting a preference or mandate for this material, possibly due to its durability, cost-effectiveness, or ease of maintenance.
- **Size Distribution:** Among the plastic dustbins, the majority (**27**) are small-sized bins, indicating a focus on providing numerous smaller receptacles rather than a few larger ones. This distribution suggests an emphasis on localized waste disposal and accessibility, potentially catering to high-traffic areas or specific waste generation points.
- **Absence of Medium-Sized Bins:** Interestingly, there are no medium-sized plastic dustbins indicated in the table. This absence could imply a deliberate choice based on space constraints, budget considerations, or a strategic decision to prioritize either small or large bins based on usage patterns or waste generation rates.
- **Large Bins:** Five large plastic dustbins are present, suggesting allocation for areas with higher waste volumes or for specific types of waste that necessitate larger containers. These bins may be strategically placed in centralized locations or areas with heavy foot traffic to accommodate a larger volume of waste.

The data from the table provides insights into the distribution and allocation of plastic dustbins based on size within the environment. The emphasis on smaller bins and the absence of medium-sized ones indicates a nuanced approach to waste management, potentially tailored to the specific needs and dynamics of the environment in question.

Waste Handling at Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur

Quantification and Segregation: In accordance with a comprehensive waste survey conducted, various types of waste have been identified within the premises of Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur . These include solid waste, liquid waste, hazardous waste, dry leaves, e-waste, canteen waste, and unused equipment waste. To ensure efficient waste management, the college has implemented a rigorous segregation process where



different types of waste are separated at the source. This segregation enables better handling and disposal practices.

Collection and Disposal: The segregated waste is collected on a weekly basis to prevent accumulation and maintain cleanliness across the campus. Notably, the waste is not handed over to the local municipality van for disposal, indicating a self-sufficient waste management system within the college. However, it has been observed that there exists a dumping pit in the garden area, which poses a concern as it may lead to environmental hazards and is not in line with sustainable waste management practices.

Waste Management Practices: Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur emphasizes sustainable waste management practices to minimize environmental impact and ensure the well-being of the campus community. The college actively promotes the reuse of paper to reduce paper waste generation. Additionally, stringent measures are in place to uphold hygiene standards, with no reported instances of Odor or health-related issues stemming from waste accumulation. Adequate numbers of waste bins are strategically placed throughout the building, facilitating convenient waste disposal for students and staff.

Environmental Impact Mitigation: Efforts are made to prevent pollution of ground and surface water by waste materials, with no instances of reported contamination. Furthermore, the college is proactive in addressing potential air pollution concerns arising from waste disposal activities. Notably, waste from toilets is channelled through underground covered channels (safety tanks) to the main drains, thereby minimizing the risk of environmental incidents and ensuring proper sanitation practices.

Water Audit

Water is a fundamental resource essential for the daily functioning of Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur . Ensuring the provision of clean, uncontaminated drinking water is paramount. A water audit identifies the sources and usage of water on campus, evaluates water requirements, and emphasizes the importance of efficient use and conservation practices.

Water Availability and Consumption

Primary Water Supply Sources: In addition to municipal water, the college utilizes bore wells on-site as primary water sources and the storage of water is in the water tanks. The bore wells are equipped with submersible pumps that provide daily water supply based on the institution's needs.

Water Requirements:

Drinking Water: The college consumes approximately 850-950 liters of drinking water daily. This water is supplied through an Aquaguard-like filtration system, various taps, and water coolers distributed across the campus.

Toilet Blocks: Water usage for toilet facilities, including toilets, urinals, and washbasins, is estimated to be between 400-600 liters per day.

Cleaning: Maintaining hygiene and cleanliness is a significant use of water on campus. Toilet areas are cleaned twice daily, contributing to the overall water consumption.

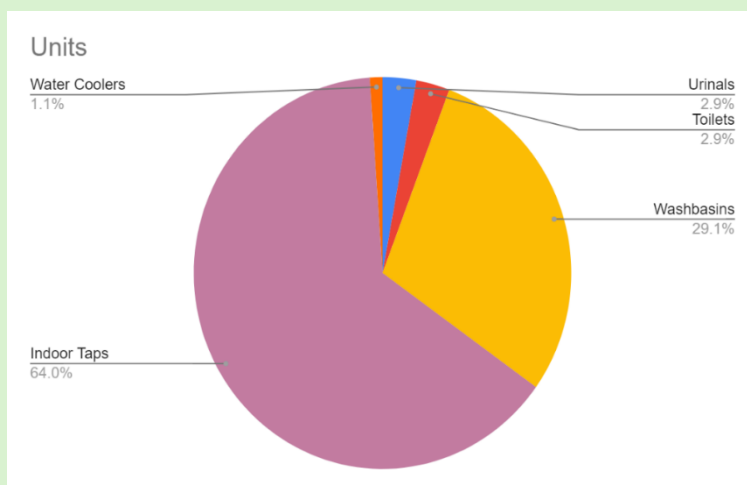


Gardens and Open Spaces: Watering the gardens and maintaining surrounding open spaces require a substantial amount of water. The college employs a sprinkler system to efficiently water the plants and trees, ensuring that these areas are regularly maintained.

Areas of Water Usage:

Based on an inventory conducted and data provided by the staff, the following facilities are present on the campus:

- **Urinals:** 10 units
- **Toilets:** 8 units
- **Washbasins:** 81 units
- **Indoor Taps:** 2 units
- **Water Coolers:** 1 units



| Types | Quantity |
|--|----------|
| No. of Urinals inside the premises | 10 |
| No. of Wash Basins inside the premises | 06 |
| No. of Taps inside the premises | 10 |
| No. of Water coolers inside the premises | 01 |

Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur , demonstrates a structured approach to water management through the identification of primary and secondary water sources, assessment of water requirements, and implementation of conservation practices. By conducting a comprehensive water audit, the college can ensure the efficient use of water, promote conservation, and maintain a sustainable habitat.

Site Investigation of Water Management

Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur, boasts an exemplary water management system that merits commendation. Our site investigation has revealed the following key observations:



- **Leakage Prevention:** There is no evidence of water leakage across the premises. The piping infrastructure is well-maintained, ensuring high standards of hygiene and operational efficiency.

- **Operational Efficiency:** The water management system operates with exceptional efficiency. Maintenance protocols are robust, with daily cleaning routines ensuring that toilets and washrooms are impeccably tidy.

- **Wastewater Management:** The system effectively prevents wastewater from contaminating



groundwater. Wastewater is systematically directed to stormwater drains, mitigating any potential environmental impact.

- **Adequate Facilities:** The premises are equipped with a sufficient number of taps, ensuring convenient access to water for all users.

Recommendations for a Sustainable Habitat

Given the already impressive water management practices in place, we propose the following recommendation to further enhance sustainability:

- **Waterless Urinals:** As a green building initiative, the college could consider installing waterless urinals. This could involve either replacing existing urinals with waterless models or incorporating this technology into newly constructed restrooms. Waterless urinals would significantly reduce water consumption and contribute to the college's sustainability goals.

By implementing this recommendation, Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur can further solidify its commitment to environmental stewardship and continue to set a high standard in sustainable campus management.

Health and Hygiene Audit

Maintaining high standards of health and hygiene is critical for any institution, particularly in educational settings where the well-being of young minds is a priority. Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur, is committed to ensuring a clean, safe, and healthy environment for its students and staff. This audit examines the current facilities and practices in place to uphold these standards.

Facilities Available

The college provides a range of essential hygiene and sanitation facilities, including:

- **Washrooms:** Each building is equipped with washroom facilities to cater to the needs of students and staff.
- **Hand Wash Stations:** Hand washing facilities are available throughout the premises to promote good hygiene practices.
- **Drinking Water:** Water coolers and taps are strategically placed to ensure easy access to clean drinking water.
- **Dustbins:** A sufficient number of dustbins are placed around the campus to encourage proper waste disposal.

Smoke Exposure

Based on a recent site visit, the following observations highlight the college's commitment to minimizing smoke exposure:

- **No Smoking Policy:** The college has prominently displayed "No Smoking" signs to raise awareness and enforce a smoke-free environment.



- **Canteen Operations:** The Home Science Lab uses gas cylinders for cooking, eliminating the use of firewood and the associated health risks from smoke inhalation.
- **Waste Management:** There is no burning of waste on campus, which prevents air pollution.
- **Smoke- and Tobacco-Free Campus:** The entire campus is designated as a smoke- and tobacco-free zone, promoting a healthier environment.
- **Parking and Dust:** While there is parking available on campus, any dust issues are mitigated by the abundant greenery, contributing to air quality management.

Hygiene

The site visit and subsequent analysis revealed several positive impacts regarding hygiene practices on the premises:

- **Toilet Facilities:** Washrooms on the ground floor and other areas are well-maintained, with regular cleaning schedules twice daily, ensuring overall cleanliness.
- **Maintenance Staff:** Despite a small maintenance team, the staff diligently maintains the entire campus to high standards.
- **Equipment Maintenance:** Regular checks and maintenance of equipment on each floor ensure operational efficiency and hygiene.
- **Water Management:** Effective water management practices are in place, with clean water tanks and no mosquito breeding sites.
- **Pest Control:** Annual pest control programs are conducted under a professional contract, ensuring effective sanitation.
- **Food Hygiene:** The canteen and food preparation areas are cleaned regularly to prevent water stagnation and accumulation of food waste.
- **Swachh Bharat Abhiyan:** The college participates in the Swachh Bharat Abhiyan, conducting tree plantation and cleanliness drives to support the government's initiative.
- **Storage Facilities:** Storage areas are well-maintained to ensure a clean and organized environment.

On-Site Investigation

During the on-site investigation and physical verification of Raghuveer Mahavidyalaya, Thaloi, Bhikharipur Kala, Jaunpur, the following observations were made:

- **Daily Cleaning:** All facilities within the premises are cleaned on a daily basis, ensuring a high standard of cleanliness and hygiene.
- **Washroom Maintenance:** The maintenance staff are assigned specific responsibilities for maintaining washroom hygiene. They perform their duties commendably, ensuring the washrooms and overall premises remain in excellent hygienic condition.

Recommendations for a Sustainable Habitat



Based on the site verification for this audit, the college's efforts in maintaining the campus are highly commendable. However, to further enhance sustainability, the following recommendations are proposed:

- **Pest Control Programs:** Implement regular pest control programs through a reputable agency to ensure appropriate sanitation across all facilities.
- **Sanitary Facilities:** Install additional sanitary vending machines and incinerators at strategic locations to improve accessibility and waste management.

Site Visit Audit Inferences

An offline audit was conducted, and the subsequent report is based on inputs provided for immediate action to improve sustainability practices. The key aspects identified are as follows:

- **Memorandum of Understanding (MoU):** It is recommended to sign an MoU focusing on the enhancement of Green Building aspects within the premises. This suggestion was made prior to the site visit.
- **Articles and Documentation:** The campus features multiple elements that enhance its natural beauty and environmental quality. It is suggested to publish monthly articles highlighting these features, as guided by the audit team.
- **Plastic Zone Determination:** Conduct a pilot project to identify and manage plastic waste zones within a 5 km radius of the campus. Collect waste plastic and develop products in collaboration with experts involved in the audit.
- **Net Zero Carbon Reduction Projects:** Launch a pilot project where each student is responsible for planting at least six trees. The detailed plan and scope will be outlined in coordination with experts and as per the MoU.
- **QR Code Name Plates:** The NSS and NCC teams should undertake a project to install QR code name plates on every plant on the premises. This initiative can be executed in collaboration with experts who conducted the audit.

By implementing these recommendations, Raghuveer Mahavidyalaya, Thalo, Bhikharipur Kala, Jaunpur, can significantly enhance its sustainability practices and continue to serve as a model for environmental responsibility in the educational sector.

Onsite Visit Photos





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