

# MIRZA GHALIB COLLEGE, GAYA

**A DEFICIT GRANT MINORITY COLLEGE**

**Affiliated to Magadh University, Bodh Gaya**



**NAAC 2<sup>ND</sup> CYCLE**

**SSR**

*7.1.3 Quality audits on environment and  
energy*



# MIRZA GHALIB COLLEGE, GAYA

NAAC ACCREDITED GRADE 'B'  
(Affiliated to Magadh University, Bodh-Gaya)

## GREEN AUDIT REPORT 2022-2023



### CONDUCTED BY:

GREEN AUDIT TEAM M.G. COLLEGE, GAYA

## **ACKNOWLEDGEMENT**

The green audit is carried out by internal audit team of Mirza Ghalib College, Gaya that aims at looking after a healthy environment. The initiative is taken up to foster the concept of environmental sustainability.

The green audit assessment team gratefully thanks the Principal of Mirza Ghalib College, Gaya for giving task of the Green Audit us. Our special thanks to Principal for authorizing us to utilize all the required facilities and cooperation during the audit that helped in making the audit.

### **GREEN AUDIT TEAM:**

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## **EXECUTIVE SUMMARY**

This report prepared by the audit team constituted in the College takes a stock of all aspects of energy-environment sustainability. The team has physically surveyed the College premises including its classrooms, lab rooms, It facilities, etc. The team has found satisfactory the working of appliances and devices. However, the team has observed some weaknesses. It has hence proposed some recommendations for efficient and sustainable use of water and energy and paper.

## **ABOUT THE MIRZA GHALIB COLLEGE**

Mirza Ghalib College (MGC), a Deficit grant Post Graduate Minority College affiliated to Magadh University, Bodh-Gaya, was established in 1969, in the centenary year of a great Urdu and Persian poet Mirza Asadullan Khan Ghalib, with an aim to impart value-based quality education to students. The impetus for its setting up came primarily from two important reasons; at the regional level of the undivided Bihar back in the 1960s, there was lack of educational facilities for the minority students especially female students with an easy and safe access to education, and secondly the Constitutional provisions of Articles 29 and 30 gave encouragement to its founding members to launch a learning centre which could facilitate education and research on the models of Sir Syed Ahmad Khan. The College draws a lot of its inspiration from the contributions of the legendary Sir Syed in the field of education, knowledge culture, and scientific outlook. The College aims at educating young minds to develop to their full natural potential and also transforming them into emotionally sound, socially responsible, and morally upright citizens. The establishment of the College was marked by a belief in knowledge based social transformation, with accessible and affordable quality education to all especially the socially and the economically deprived section of the society. MGC has the credit of being the first minority college of the undivided Bihar to start post graduate teaching which was inaugurated by the then Chief Minister of Bihar Sri Lalu Prasad Yadav on 5h October 1994. Marching ahead with innovative ideas and adding to its legacy new developments each year, MGC has come along a long way transforming and evolving itself into a premier learning institution with students' support, teachers' strength and governing body's encouragement. Moving in tandem with the changing technological needs of current time, MGC has switched to 'cashless transaction' in its admission procedure in the year 2021 making it hassle-free for students and promoting environmental

sustainability. MGC is accredited with grade B by NAAC in the year 2018 in its first cycle of assessment.

Since the beginning, MGC has been offering various UG and PG level courses in 12 departments, inspiring and shaping young students to lead and excel in various academic, corporate and professional domains. In addition to conventional courses, Vocational courses in Computer Application, Business Management and Bio-Technology Honours (BCA, BBM & Bio-Tech) are also being run successfully at UG level for the last 16 years. These vocational courses have taken many students to the heights of their career life. Some of the alumni from the vocational departments have made to top-ranking corporate positions. The College has won several sports accolades and trophies leaving indelible imprints of its vibrant and energetic athletic spirits at the regional and state level. Over the last few years, the College has been able to promote its research activities in the faculties of sciences, social sciences, and Arts & Humanities with the active participation of its teachers in research and publication fields.

Located centrally in the district of Gaya, the College is accessible properly and well connected to the city's prime locations such as bus stand, railway station, and airport. The College has well-developed infrastructure in terms of spacious classrooms, central library, laboratories, seminar hall, girls' common room, large office spaces, washrooms, and other required facilities. The new vocational building, designed and constructed under the aegis of Mr. Shabi Arfeen Shamsi, Secretary G.B, is equipped with properly ventilated classrooms having seating capacity of up to 70 each, tutorial classroom, computer labs, conference hall, auditorium, separate washrooms for teachers and students, office room, spacious parking area at the basement, and a guest room.

The institution is known for its plural character. Academic programmes of study have attracted students from diverse socio-religious backgrounds, and teaching and non-teaching positions show great diversity. The Principals of the College have been drawn from the non-minority ranks as well. MGC believes in preserving its constitutionally guaranteed rights and protection and adhering to principles of diversity, plurality and multiculturalism.

Progress is inevitable for any educational institution to keep itself functioning. MGC believes in taking innovative ideas and exploring new pathways of development in its journey of excellence and advancement. Currently, MGC is working on transforming its central library into digital library, moving swiftly towards paperless administrative works, computerisation of office and departmental works, and introducing new courses. These initiatives under progress would go a long way to make an effective e-governance mechanism.

### **Our vision and mission**

To become an institution of excellence and repute in teaching and learning, to disseminate and advance knowledge by providing accessible and equitable education to all especially the marginalised minority communities while promoting the philosophy of nationalism and pluralism, to help learners ascend in the journey of the truth and wisdom, to conform to the New Education Policy to achieve goals of sustainable development for the society.

To accomplish the vision, the following mission has been set:

1. To impart value-based education to mould learners into sensible, morally upright citizens.
2. To provide accessible and equitable education to all.
3. To inculcate the spirits of inclusiveness in learners to foster the culture of fraternity.

4. To strengthen scientific temperament and critical thinking to help them lead society and nation in healthy manner.
5. To emphasise on ICT-enabled teaching-learning environment to reduce 'digital divide'.

### **Green Audit**

The green audit is defined as the structured identification, quantification, recording, reporting and analysis of the components of environmental diversity. The aim of the 'Green Audit' is to analyze the environmental practices within and outside the college campus, which will have an impact on the eco-friendly environment. It was started with the aim of inspecting the work done within the organizations whose practices could endanger the health of the residents and the environment. Through green audit, one gets the direction how to improve the environment condition and there are many factors that have determined the development by doing green audit.

### **Aims of the Green Audit:**

The main Aim of organizing Green Audit is to upgrade the environment condition within and around the college campus which will have an impact on the eco-friendly atmosphere. It is prepared with the aid of performing tasks like waste management, energy saving and others to turn into a better environmental friendly institute. The main objectives of the audit are:

1. To preserve the environment and reduce the health hazards.
2. To create plastic free campus.
3. More efficient resource management.
4. To proposed the best protocols for adding to sustainable development.
5. To enable waste management via minimization of waste generation, solid waste and water recycling.



6. Efficient use of equipment.
7. To create green campus.

### **Benefit of Green Audit:**

1. More efficient resources use and finance saving.
2. Promote Good Practices.
3. To enhances the management and employee awareness of environment issues.
4. Empowering organizations to design better environmental performance.
5. To create awareness amongst the stakeholders.
6. Cost saving through reduction in resources optimization.
7. Implement sustainable development with efficient resources management.

The Green Audit study covered the following areas to summarise the present status of environment management in the campus

1. Water Efficiency
2. Energy use and Conservation
3. Paper Waste Management
4. E-Waste Management
5. Green Programs (Green initiatives)

### **Environment policy of the Mirza Ghalib College:**

Mirza Ghalib College believes in environment sustainability and hence takes all steps necessary towards maintaining a greener, healthier and sustainable environment. The college keeps organizing campaigns, discussion and expert talks in educating the students and teachers about the importance of environment sustainability. In particular, the College focuses on energy conservation, water management, minimized use of paper, and maintenance of biodiversity in the premises. In all its programmes and events, the College keeps in mind the energy-society-environment symbiotic friendliness.

### **Observations and recommendations:**

The internal team constituted for Green Audit has marked the following observations

1. The main source of water for the college use is municipality supply and bore wells. The team found that there were some instances of wastage of water because of overflowing of water from the overhead storage tanks. The team also found that there were some leaks from some water taps and points.
2. The College is fully electrified. All rooms, classrooms, lab rooms, computer rooms are facilitated with LED bulbs. The team found that sometimes energy is wasted due to negligence of students and the staffs.
3. Waste generation has to be minimized in the College. The team found that the college has dustbins kept at various important places. The dustbins are red, blue and green, used for wet waste, dry waste and plastic waste respectively. It was observed that paper use is being minimized in all office sections. However, more minimization is needed.
4. Regarding e-waste generation, the College has signed an MoU with a private solutions company to pick and dispose off the e-wastes. However, the e-wastes generated in the college are minimal.

### **Recommendation**

The Audit team has made the following recommendations

1. The College should continuously organize campaigns and discussions on educating about the need and importance of environmental sustainability.
2. The College should make all efforts necessary in adhering to the implementation of the New Education Policy.
3. The Departments of Botany, Chemistry and Physics are instructed to organize a standard guidebook on environmental sustainability.
4. The team recommends installing more solar planes, using energy-efficient appliances.
5. There is an emerging need of creating a cost-effective system to collect, recycle, and reuse the waste water. The team recommends constituting an expert team comprising domain experts from the college and even the outside if need arises.



**Pic 1:** College building with Greene and LED's



**Pic-2** Installation of solar cell on the roof and related batteries



**Pic 3:** The source of electricity such generators and transformer in old building of the college.



**Pic 4:** The source of electricity generators and generator in the new building.

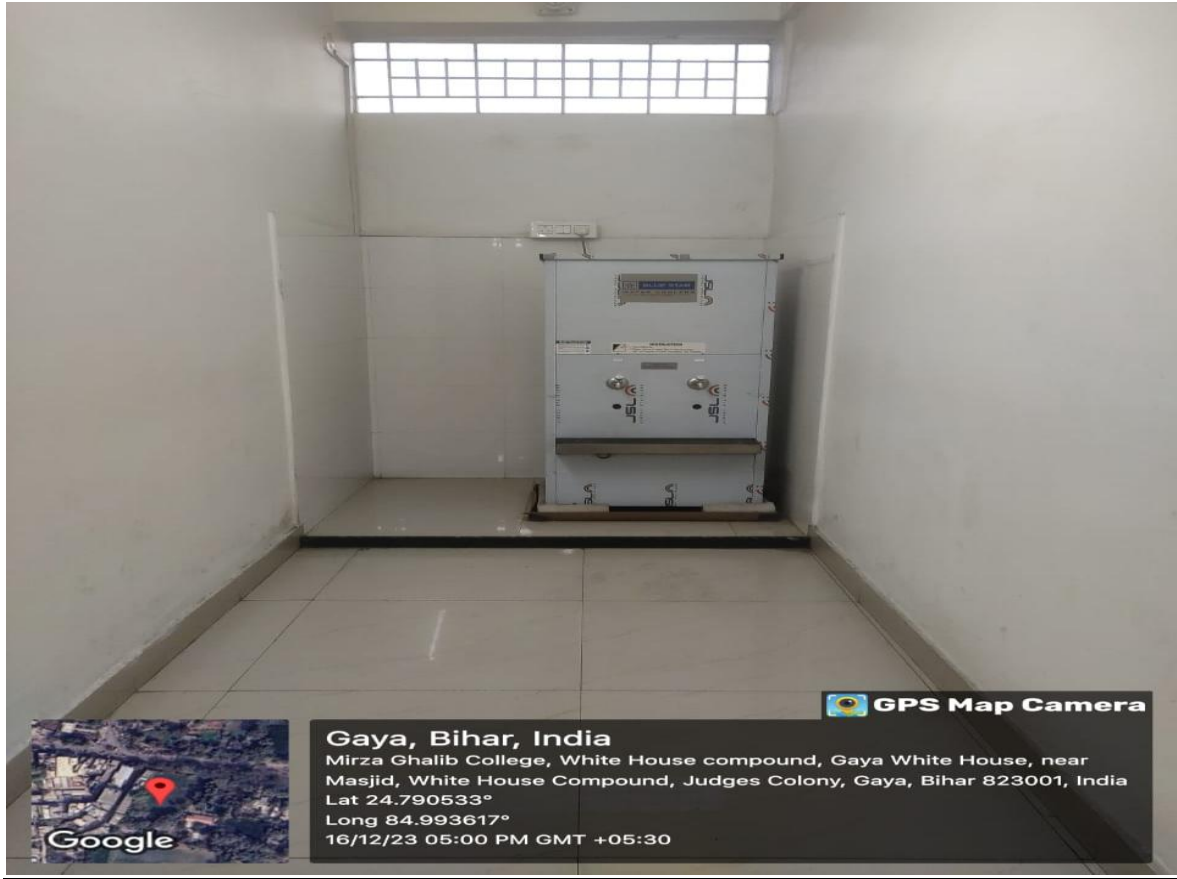


**Pic 5:** Greene area of college

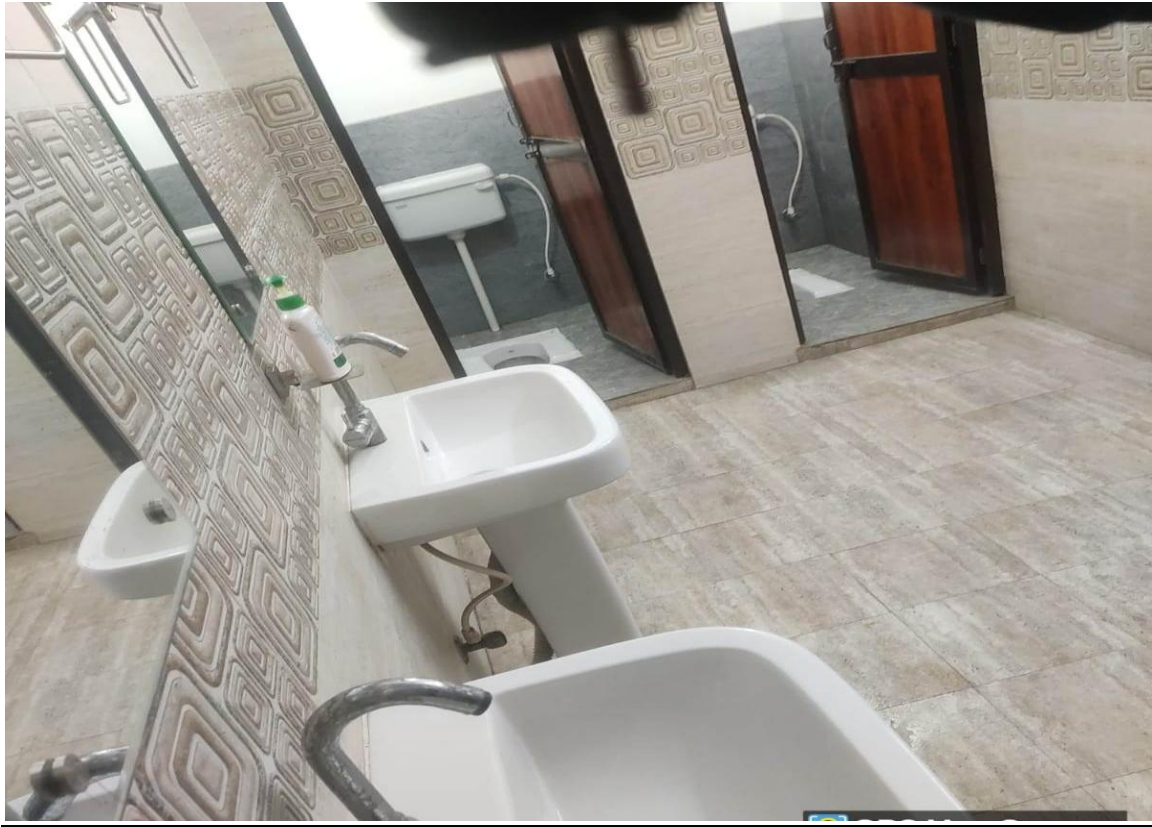


**Pic 6:** LED used for lighting





**Pic 6:** Drinking water



**Pic 7: Toilets**





**Pic 8.** Greene in new building





**Pic 9.** Pics in new building



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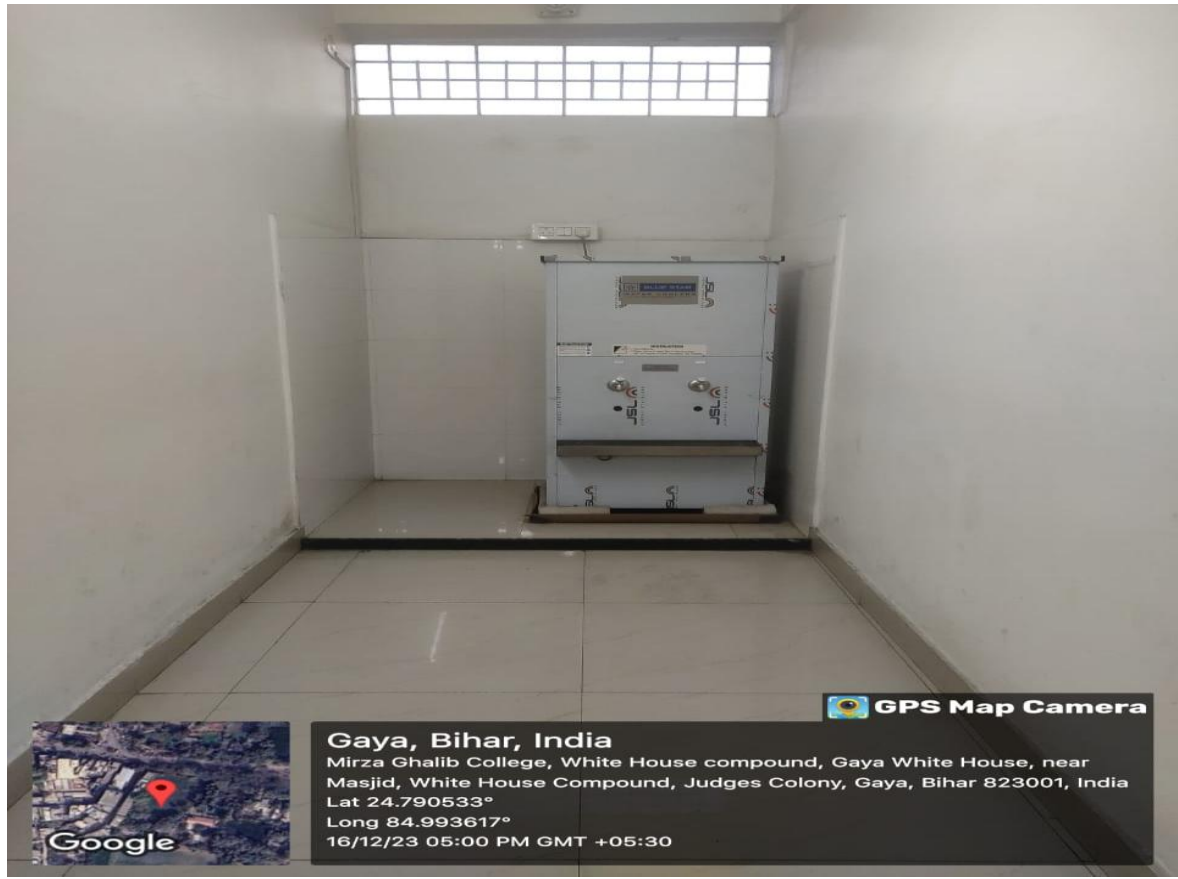




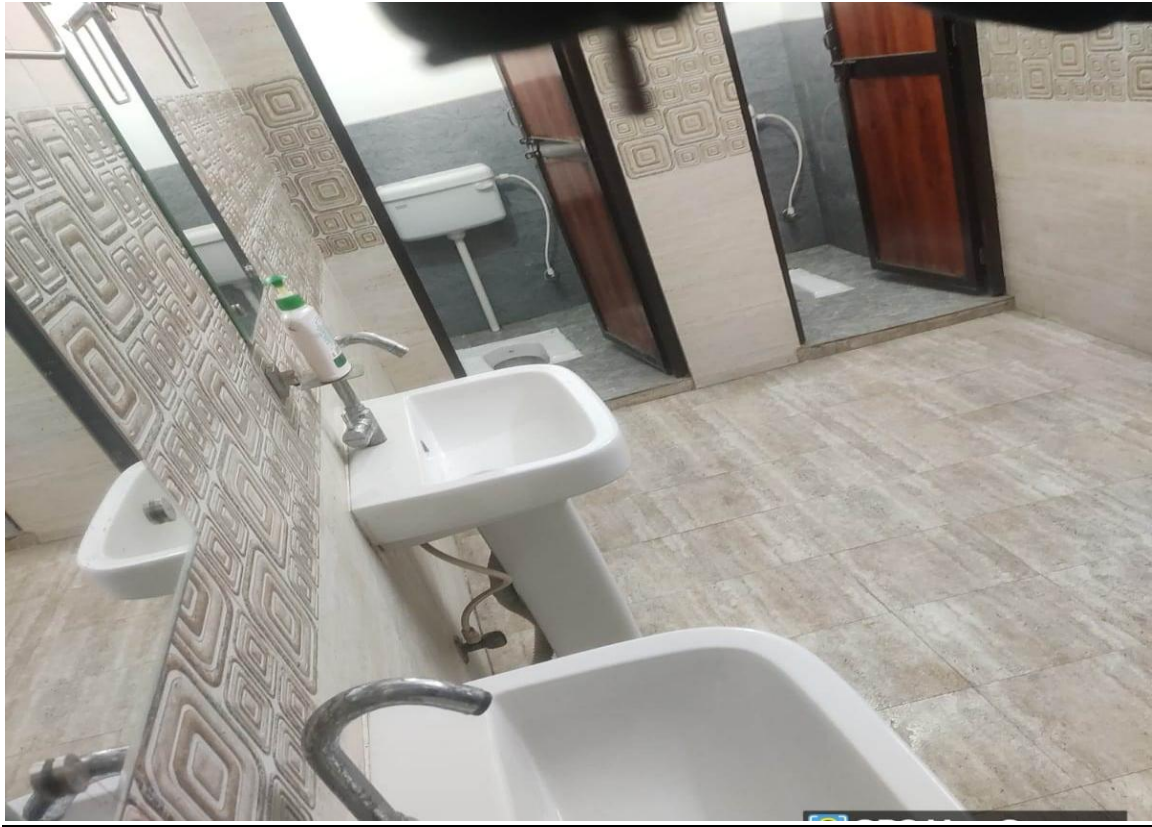
**Pic 5:** Greene area of college



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