

ENVIRONMENT AUDIT REPORT

2021-22

in compliance with the statutory requirements under the NAAC accreditation procedures



GOVERNMENT COLLEGE (AUTONOMOUS)

KALABURAGI--585105 KARNATAKA



ENVIRONMENT AUDIT REPORT

Government College, Gulbarga was established in 1932 as a intermediate college affiliated to Osmania University, Hyderabad. The building was an old, multipurpose high school. The strength of the students was quite good. After some years it was open to all sections of the society and was the first institution to provide co-education. When it became the degree college, various subjects in both science and arts were introduced. It became north star of Mysore state and thereby attracted thousands of students. Later the location was shifted to Subedari building presently know as Mini Vidhan Soudha. The library and central hall of the college were the centre of the attraction. In 1952, the college was affiliated to the Karnataka University, Dharwad.

In the year 1974, a new building of the college came up away from the city and arts section was shifted over there. The science section and the office of the college were shifted in 1996 to this new building. In 1980 Gulbarga University came to existence, the college got affiliated to it and many of the staff members became the faculty members of the university, heading the department.

The college got the autonomous status in year 2016 with re-accredited with 'A' grade by NAAC. The area of the college is 11.3 acres. The building consists of four storeys. At present there are 78 sufficient class rooms well equipped with fans, lights, green boards, CCTV's etc. The total built up area of the college is 86,800 sq. fts. The present strength of the teaching staff is 110, 60 guest staff and 30 non-teaching staff. Over 4500 students are pursuing studies in this college.


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Environment Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of various establishments. It aims to analyze environmental practices within and outside of the concerned sites, which will have an impact on the eco-friendly ambience.

Environment audit can be a useful tool for a college to determine how and where they are using the most energy or water or resources; the college can then consider how to implement changes and make savings.

It can also be used to determine the type and volume of waste, which can be used for a recycling project or to improve waste minimization plan. It can create health consciousness and promote environmental awareness, values and ethics. Thus, it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.

The main objectives of carrying out Environment Audit are:

- To document the quality drinking water
- The document the quality of recycled waste water for gardening
- To document the solid Waste disposal system
- To document the ambient environmental condition of air, water and noise in the campus.
- Benchmarking for environmental protection initiatives
- Reduction in resource use
- Financial savings through a reduction in resource use

The institute has a very clear environmental vision and trying to reduce the energy. The institute has planted a lot of trees and has maintained very good greenery. The institute generates more than 80 percent of energy through solar power for its needs. The building has opted the Energy efficient lighting system that is LED which was good option to save energy. Most of the building have sufficient day light which saves the energy in the institute. For the protection of building from fire we installed nearly 25 Fire extinguishers.


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Institution is following these practices in the college campus.

Solid waste management:

- Dust bins are provided in the campus to keep campus clean, neat and tidy.
- Awareness on segregation of waste is created and blue, green and red dust bins are used.
- Transport arrangements are made for solid waste management.
- Compost arrangements are also made to convert solid waste into fertilizer/manure.

Liquid waste management:

- Practical labs like Chemistry, Botany, Zoology and Microbiology have taken measures to ensure that all the chemicals are diluted before discarding in wash basin.
- Glassware used in the laboratory is washed and rinsed with least quantity of water and placed in the liquid waste container.
- The liquid waste of the laboratories is segregated into organic and inorganic waste. Inorganic wastes are neutralized before disposal. The organic waste yield is treated with cow dung for decomposition due to the action of bacteria and some micro-organisms.

E-waste management:

- Awareness programs are initiated on e-waste management.
- All E-waste is disposed to the corporation.
- The non-functional computers, equipment's and its peripherals are safely disposed.
- The cartridge of laser printer is refilled outside the college campus.
- UPS batteries are recharged / repaired/ exchanged by the suppliers.
- Waste compact disk is used by the students for decoration and participation in competitions.
- The low configured computers are donated to nearby schools.
- The E-wastes generated are safely disposed through certified E-waste recyclers.



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Recommendations

- Environmental Monitoring i.e., Ambient Air Quality monitoring, Stack Monitoring of DG sets, water and wastewater monitoring need to be conducted by State Pollution Control Board, approved laboratory with a frequency of six months.
- E-waste monthly inventory be maintained at campus as per E waste rules 2016.
- Water Meter should be installed at institute for monitoring of water consumption per capita.
- Environment/Green committee formation for regulating eco-friendly initiatives at campus premises.
- LPG Cylinder storage as per "The Gas Cylinders Rules"
- We strongly advice for regenerating the batteries once every 3 to 4 years so that they serve over 15 years in Liew of 5 years under present conditions.
- Fire extinguisher handling instructions are to be displayed. The sample poster is reproduced for replication.
- Vermi Compost unit has been established within the college campus. The waste materials that are collected in the campus dumped into the vermin compost unit to convert it into fertilizer, is used for the purpose of gardening in the campus.



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ENVIRONMENT AUDIT COMPLETION CERTIFICATE

This is to certify that Government College (Autonomous) Kalaburagi has undergone Environment audit under my supervision by the instructions of principal on 29th Dec 2021. This report is generated based on the site visits and evidence collected from the site. All attempts have been made to evaluate the scope for development and inculcate green practices in the campus and extended throughout the campus. The focus is also laid to make positive impact on the society for a better living.



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