



Shikshan Prasarak Mandal's

Shankarlal Khandelwal Arts, Science & Commerce College, Akola

Affiliated to Sant Gadge Baba Amravati University, Amravati

INTERNAL GREEN & ENVIRONMENT AUDIT REPORT 2021 - 2022



Prepared by:
Internal Green & Environment Audit Committee
Shankarlal Khandelwal Arts, Science & Commerce College,
Akola

About the college:

The college is run by Shikshan Prasarak Mandal, Akola which was established in 1958 with aim of catering to the needs of an unprivileged and underprivileged section of society from a socio-economically backward area of the city. The main aim of the society is to provide value-based education with quality. The college has three streams viz Arts, Commerce, and Science that is B.A., B.Com, and B.Sc. In addition to it, the college runs courses such as B.C.A and certificate courses to fulfill the professional needs of the society. Besides this, for the overall development of the students, the college run the activities such as NSS, Sports, Cultural program, Vivekananda Study Centre, etc. The college also has PG degree courses such as M.A.English M.Sc Chemistry and Computer to fulfill the needs of the student for post-graduation. Shankarlal Khandelwal College is now recognized as a research center for Ph.D. in various subjects with UGC assistants.

The college also runs skill-based courses such as Biomedical Instrumentation, Communication Skill in English, for the overall development of the students. The college also runs UGC schemes such as SC / ST Coaching Centre, Entry in Service Sale, Equal Opportunity Centre, Network Resource Centre, etc. The college has also made available women's hostel facilities and sports facilities to students along with well-furnished Gymkhana. Thus the college leaves no stone unturned to make various government schemes available to the student's fraternity.

Vision:

The college strongly believe in molding students into ideal, responsible, and productive citizens dedicated to the nation. While imparting need-based education, the college enrich core values like nationality, honesty, quality, rule-following, and cleanliness in the minds of the students. The same, the college cherish through our aims and objectives.

Mission:

To establishment and function of the college are aimed at achieving national goal. This is not a mere act of social service, rather a task dedicated towards a national duty. The college believe that proper education can develop cultured, intellectual, self-reliant students committed for nation. Keeping students at focal point, the institute chalks out its policies.

The institution has a firm belief that students have tremendous potential. If it is channelized in right direction, the college can find solutions to many a problems.

Objectives:

- To hone the students with quality education.
- To make the educational opportunities available to the unprivileged and under-privileged sections of the society.
- To channelize the student's potential in nation-building.
- To inculcate need-based skills among students.
- To make the students capable of facing the challenges in a present scenario by providing the knowledge of the latest technology and scientific attitude.
- To emphasize values such as nationality, honesty, quality, adherence to rules, and cleanliness for the development of high standards of morality.

Acknowledgement:


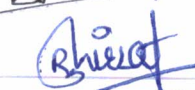
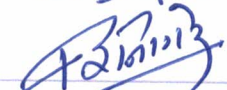




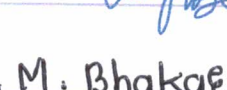
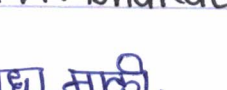

Internal Green and Environment Audit Committee would like to thank the management of Shikshan Prasarak Mandal's Shankarlal Khandelwal Arts, Science And Commerce College, Akola, teaching & non-teaching staff, students, parents and adjoining community for extending their co-operation and valuable inputs in collection of information and facts about environmental management. To conduct Internal Green and Environment Audit is a significant step taken by the college, a worth mentioning here. Internal Green & Environment Audit Committee express gratitude towards valuable guidance & contribution made by various NGOs, individuals and Akola Municipality for extending cooperation in preparation of this audit. Our special thanks are due, to the Principal Dr. J. M. Saboo for giving a valuable guidance.



Shankarlal Khandelwal Arts, Science And Commerce College, Campus

Shankarlal Khandelwal Arts, Science And Commerce College Akola

IGEAC : Internal Green and Environment Audit Committee

Sr. No.	Name	Designation	Sign
01	Dr. J. M. Saboo	Principal / Chairman	 PRINCIPAL Shankarlal Khandelwal Arts, Science & Commerce College, AKOLA (M.S.)
02	Dr. S. G. Kakade	IGEAC, Coordinator	
03	Mr. R. K. Shirsat	Member, IGEAC	
04	Dr. S. N. Nagre	Member, IGEAC	
05	Dr. P. M. Pisolkar	Member, IGEAC	
06	Mr. P. S. Pande	Member, IGEAC	
07	Mr. Devendra Telkar	Member, IGEAC	 Devendra Telkar
08	Mr. Uday Vaze	Member, EFEC	
09	Simran Milind Bhakare	Member, IGEAC Student's Representative	 S. M. Bhakare.
10	Radha Sanjay Mali	Member, IGEAC Student's Representative	 राधा मली.

The Internal Green & Environment Audit Committee authenticate observations, records and recommendations in this report.

Internal Green & Environment Audit Key Steps:

Committee formation: July 2021

Questionnaire data collection: Started in July 2021

Draft report completed : Feb 2022 (Online)

Review meeting : Feb 2022(Online)

Final report completed : 2022

Compilation document:

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

Thus it is imperative that the college evaluate its own contributions towards 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. Internal Green and Environmental Audit is assigned to the Criteria 7 of NAAC, National Assessment and Accreditation Council. The Internal Green & Environment Audit Committee was formed. The committee decided to conduct Internal Green and Environmental Audit of the college in July, 2021. The motive of the internal audit was to make sure that the practices followed in the campus are environment friendly. Internal Green and Environment Audit is a systematic assessment of day to day activity with special focus on how resources are utilized with minimum impact on environment. The questionnaire was obtained with the help of external member of the Internal Green & Environment Audit Committee. It was observed and evidence were brought together 'what degree to which the departments are in compliance with the applicable regulations, policies and standards and to ensure that the development of the college aims at sustainable development and at the same time keeping the college campus green and pollution free. The methodology was simple and started right from collecting data, insight inspection, evaluation, computation, conducting physical survey and review of the relevant documentation.

Statement of assertion:

The Internal Green & Environment Audit Committee has adopted the audit procedure that meets the terms of International Standards of Internal Auditing Practices. The committee is cause to feel certain that adequate and relevant audit procedures were followed, concrete evidence were gathered and conclusion were drawn from facts. The Internal Green and Environment Audit committee believe that recommendations are for improving the effectiveness of environmental management efforts made by the college. Changes or additions in management practices should be systemic, must be done through series of small steps and every concerned individual must be well informed about changes and additions made in management practices. Recommendations are based on a evidence compiled in this report as they existed at the time of the audit.

Compendium:

It was evident from the data collected in several visits to Shankarlal Khandelwal Arts, Science And Commerce College, that teaching & non teaching staff, students of the college are aware about the importance of efforts to save and protect environment in the campus. Although, it was also observed that, many of the practices followed by the college are in nascent stage and needs further action to improvise environment management system.



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Introduction:

The expeditious urbanization and economic development at local, national and international level has led to several environmental and ecological emergencies. To prevent damages due to site specific activities, practices, processes and procedures followed by various institutions, businesses, organizations or factories, it becomes essential to adopt methods, process and procedures for making green campus for the institutions, businesses, organizations or factories which will lead for sustainable development.

Shankarlal Khandelwal Arts, Science And Commerce College, made it clear from its environment policy that its a priority area to conserve environment and promote environment education & awareness in academia and efforts are made every possible way to keep campus green. The purpose of conducting the Internal Green and Environment Audit is to understand and make continuous efforts to reduce adverse impact on environment. The college seeks advice from consultants and resource persons in environment education and protection. The methodology to conduct Internal Green Audit & Environment Audit was designed with the help of consultants and NGOs and, with the teaching staff of the college. It includes draft of questionnaire, in-situ site inspection in the campus, scrutinize and evaluate documentation, monitor procedures, practices and processes carefully. The formation of Internal Green and Environment Audit Committee with involvement of external subject specialist has made report valuable.

Internal green audit:

Internal Green Audit is a process of systematic verification of activities, identification of adverse impacts, evaluation of systems, documentation process, reporting and analysis of environmental diversity of various institutions, businesses, organizations or factories. It aims to analyze environmental practices and processes within and outside of the targeted institution, business, organization or factory, which will have an impact on the ecologically friendly environmentally-safe ambience.

Internal environment audit:

An Internal Environmental Audit is an assessment performed to ensure that institutions, businesses, organizations or factories are complying with environmental regulations policies. It examines the amount of adverse impact on environment or risk of injury that may be posed by the assessed entity and determines the types of pollution being produced by looking at a broad range of site specific activities, practices, processes and procedures. The information compiled from these factors to determine what remedial procedures are required to be added for better good.

Scope:

Internal Green and Environment Audit play a significant role in continuing operation of institutions, businesses, organizations or factories. It keeps institutions accountable by scrutinizing their site specific procedures and determining what remedial measures are required to be added or put in place to ensure institutions, businesses, organizations or factories are following the proper statute.

Objective:

The key objectives of an internal environment audit therefore are to: determine how well the environment management systems and equipment are performing, verify compliance with the relevant national, local or other laws and regulations, minimize human exposure to risks from environmental, health and safety problems.

Methodology:

Internal Green & Environment Audit Committee was formed. In the first meeting of Internal Green and Environment Audit Committee an open discussion was made on how to conduct Internal Green & Environment Audit. The committee came to a conclusion that external party will look into overall infrastructure, procedures, practices and operation of the collage and will draft detail questionnaire. Questionnaires provide a relatively rapid and efficient way of obtaining large amounts of information from a large number of people. Answers obtained from open-ended questionnaire are analyzed using qualitative methods and they involve discussions and critical analyses without any difficulty. This was useful because the information lead to concrete conclusions. The methodology also included a physical inspection of the campus, observation, and review of the documentation, interviewing key persons and data analysis, measurements, and suggesting recommendations.

Environment policy:

Shankarlal Khandelwal College (SKC) recognizes the effect of its operations and activities on the environment. The SKC acknowledges the responsibility it has, to limit these effects in order to maintain the environment for future generations. The SKC therefore seeks to establish an ethos at all levels and in all departments towards protecting and improving the environment and reducing the negative effect of its overall operations.

- **SKC will achieve this by:**

- Measuring and taking action to reduce the carbon footprint of our teaching activities, including energy consumption pertaining to our facilities.
- Managing waste generated from our business operations according to the principles of reduce, re-use and recycle.
- Communicating the importance of environmental issues to our students, teaching staff, non teaching staff, and motivating them to embed environmental responsibility in our work culture.
- Pollution is prevented in all forms, especially from redundant electrical equipment, use of chemicals in lab, making campus a plastic free and waste burning free zone.

In order to meet policy objectives, the college will strive hard to:

- Engage our students, parents, teaching & non teaching staff, suppliers and work together with them to promote improved environmental performance.
- Create awareness campaigns for promoting good environmental practices around the office, and encourage academical activities focusing on the environment.

Ten commandments of SKC Environment Policy:

- Utilize electronic equipment effectively and maximize computer efficiency.
- Reduce paper work to save paper to save trees & energy.
- Plant maximum number of trees & increase green canopy wherever possible.
- Reduce, reuse, recycle.
- Rethink your travel.
- Create healthy office environment.
- Switch off lights & electrical equipments when not in use.
- Make SKC area a plastic & no waste burning college campus.
- Use bio - degradable waste for composting.
- Learn and teach new ways to save environment.

Location of the college:

Shankarlal Khandelwal Arts, Science And Commerce College is situated in Akola of Maharashtra State.

Latitude: 20°42'28.46"N

Longitude: 76°58'55.61"E

Land use and land cover:

Total area of the college campus: 82764.93 Sq Ft

Area reserved for green cover: 15712 Sq Ft Approx

Population:

Students : 1177 Teaching Staff: 55 Non Teaching Staff: 22 Floating : 5+2 = 7

Audit questionnaire and audit forms:

Internal Green and Environment Audit Committee was given a questionnaire. The committee was well supported by teaching and non-teaching staff of the college to collect the data. The evidences were collected by referring questionnaire and field visits to the college.

Water quality:

Access to safe drinking-water is essential to health, a basic human right and a component of effective policy for health protection. Water is essential to sustain life, and a satisfactory (adequate, safe and accessible) supply must be available to all. Improving access to safe drinking-water can result in tangible benefits to health.

Sound pressure level testing:

Several sound pressure level tests were carried out to measure noise pollution created by vehicle passing by college campus. The college is situated at the outskirts of the city. The road adjacent to the college campus is used by majority of citizens in the area. The results of the tests came out to be slightly above prescribed limit. To combat the noise pollution caused by vehicular noise the committee has recommended remedial measures.

Primary air quality:

Several primary air quality tests were carried out. The results of the tests came out to be in prescribed limit. To stop air pollution caused by vehicular emission entering onto the campus, the committee has recommended remedial measures.

Installations:

The installation of solar panels, compost pits and rainwater harvesting system are the initiatives taken by Shankarlal Khandelwal Arts, Science And Commerce College, Akola.

Bio diversity in campus:

Shankarlal Khandelwal Arts, Science And Commerce College has planted several trees in the campus.

Shankarlal Khandelwal Arts, Science And Commerce College made painstaking efforts to promote tree plantation of various species in the campus, which makes habitable place for many birds, insects and mammal diversity to thrive in the campus.

Green initiatives:

Shankarlal Khandelwal Arts, Science And Commerce College is aware about importance of educating students about environment and special efforts are taken by Environment Committee in initiating activities that reduces its adverse impacts on environment. Initiative such as tree plantations, rain water harvesting, no vehicle day, installation of solar panels, plastic waste free campus, regular maintenance of electrical gadgets, awareness training workshops, solid waste management, organic waste management are organized by the college.

Recommendations:

Recommendations are given by Internal Green & Environment Audit Committee. The recommendations made by the committee will give insight to the administrative authority to improve the environment and will make positive impact on environment performance of the college.

Post Internal Green & Environment Audit commitments:

Review meeting was organized to discuss about recommendations made by committee after the Green & Environment Audit process was completed.

Internal Green & Environment Audit document storage:

Documents related to Internal Audit are stored at IQAC chamber.

Bio-diversity in campus:

Special efforts are taken to plant trees every year in the college campus. Shankarlal Khandelwal Arts, Science And Commerce College is well aware about benefits of trees for other living organism. Various types of trees help to clean air by taking in pollutants such as carbon monoxide, nitrogen oxides and others in the air. Trees act as carbon sinks and offset carbon from the environment. Wide variety of floral species can be seen thriving in the college campus and variety of life forms such as birds, mammals, butterflies can be seen at all periods of the day. Exhaustive list of species found in the campus are included in the check list attached.

Green initiatives by the college:



Echo Friendly Color Making Workshop: Echo Friendly Color Making Workshop was organized on the occasion of Holi festival on 17th March 2022, to avoid chemical-based use of colors which pollutes the water and soil.



Under N S Moss Stick Preparation Activity: Moss Stick Preparation activity is conducted on 16th April 2022 to aware students about the reuse of wastage material to create moss sticks.



Tree Plantation and Seed-Ball Making Activity: Tree plantation and Seed-Ball Making activity is conducted on 21st and 22nd April 2022. For this waste buckets were reused.





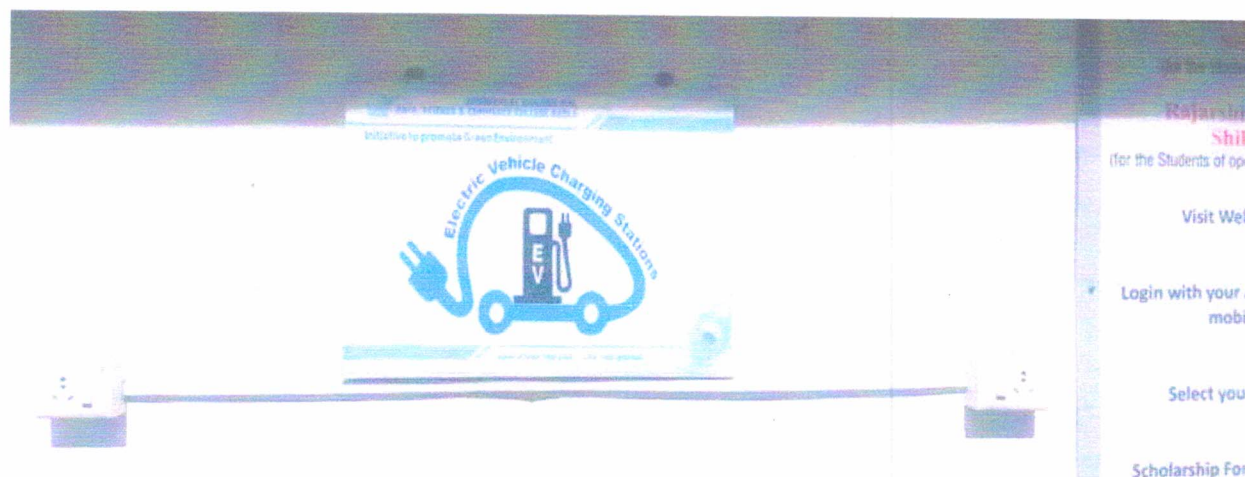
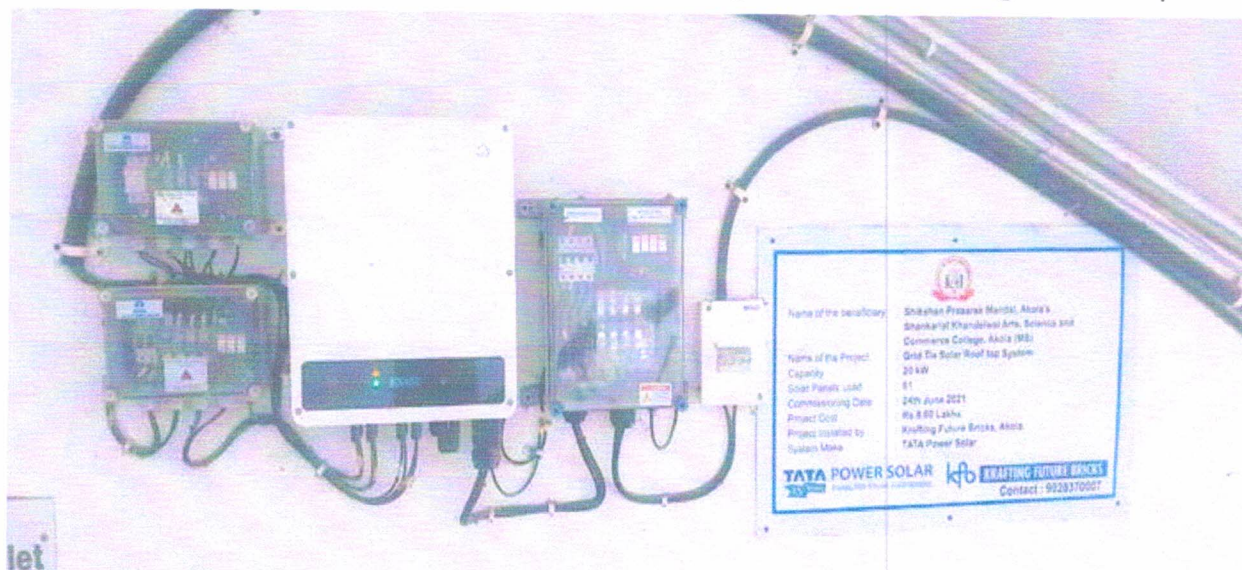
An initiative to promote tree cover in many places, seed balls were made by NSS students and were freely distributed in the adjoining community.



PLASTIC FREE CAMPUS: Plastic Free Campus initiative is taken to minimize usage of plastic bags in the college premises and to promote the use of paper or cloth bags. Students and staff follow this idea and help to have plastic free campus.



Rain water harvesting initiatives undertaken by the college. Water conservation facilities available in the institution. Rain water drainage is utilized to help in increasing the water level through this activity.



Solar Energy: The institution has facilities for alternate sources of energy and energy conservation measures. Institute also have electric vehicle charging outlets in the campus.



Sub Metre provided by MSEDCL for Solar Panel in the college at the hands of Principal Dr. J. M. Saboo and all the staff members of the college. A step towards Green Energy initiative.



Solar system for South wing Installed in the premises, A step towards Green Energy Initiative .

Earth is the only livable planet in our solar system.
Ours' increased population is a threat to life on the Earth.
Industrialisation and urbanisation for meeting our needs
Causing deforestation and killer environment on the Earth.

Forests provide the food chain and life giving oxygen.
Ours all evolution was possible because of the forests.
Nature, environment, climate, weather and atmosphere
By and large remain in balance because of the forests.

Wildlife depletes, rainfall drops and the deserts spread
And climate warms with reckless cutting of the forests.
Forests are for everyone's need and not for the greed.
For saving life and future on the Earth, save the forests.

Real creatures of nature are animals, birds and insects.
If they are here on the Earth, we are here on the Earth.
For maintaining ecological balance for supporting life
Save the wildlife and their natural habitat on the Earth.

Control burning of fossil fuels for reducing air pollution.
Stress upon solar, wind and renewable sources of energy.
Otherwise Ozone layer of the Earth will go on depleting.
And life will be doomed with ultraviolet rays allergy.

Control sea, marine and underground dumping of waste
To preserve fresh drinkable water reserves on the Earth.
Control excessive use of fertilizer sand other chemicals
Avert poison in food chains for saving life on the Earth.

The time bomb is ticking; defuse it before it's too late.
Don't destroy the very foundation of life on the Earth.
Let us take initiative to conserve and preserve our nature.
Save life to have ours' future generations on the Earth.

Gurtej Singh Aulakh

Thank You

Prepared by:

Internal Green & Environment Audit Committee
Shankarlal Khandelwal Arts, Science & Science College, Akola



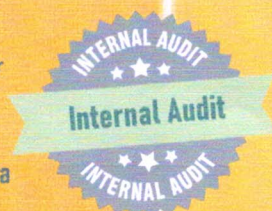
This is to certify that the Internal Green Audit Report of
**Shankarlal Khandelwal Arts,
Science & Commerce College**

Akola, 444001, Maharashtra

is based on the data collected during the physical visits to the college. Further it is certified that the core information related to green initiatives and activities were collected and scrutinized by Internal Green Audit Committee. College has successfully established eco-friendly practices and management systems at all levels. The evidences are substantial. We appreciate the efforts taken by the staff and students towards keeping the campus green.

Term of validity : April 1st 2021 - March 31st 2022

Devendra Telkar
Devendra Telkar
Internal Green Audit Committee Member
Srushti Vaibhav
Nature Conservation Society
Devdatta Apartment, Gaddam Plots, Akola



Uday Vaze
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Conservation is a state of harmony between men and land. - Aldo Leopold



Internal Environment Audit Program

This is to certify that the Internal Environment Audit Report of

Shankarlal Khandelwal Arts, Science & Commerce College

Akola, 444001, Maharashtra

is based on the data collected during the physical visits to the college. Further it is certified that the core information related to environment protection & monitoring activities were collected and scrutinized by Internal Environment Audit Committee. College has successfully established environmental practices and management systems at all levels. The evidences are substantial.

Term of validity : April 1st 2021 - March 31st 2022

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