



ENVIRONMENT AUDIT REPORT

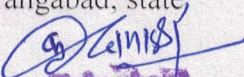
1. INTRODUCTION:

As per direction and guidelines by the NAAC circular in relation to the Environment Audit, our college had conducted the Environmental Evaluation of the campus; and for that the Department of Geography has taken initiative instead of relying to the outside agencies. Being college from rural draught prone area, having the scarcity of all the energies, and hence certain vision to preserve, conserve and cooperate to sustain in the available sources. We believe that we are more aware and experienced one to understand our environmental realities; and hence the college decided to investigate by its own Department of Geography. Even the Environment Committee including our students in it, worked together in collaboration and hand to hand with the Dept. of Geography, and as a result the college examined and introspected the situations of Environmental issues with pointed out few issues and even has given few remedies to sort out the issues. Besides the Department of Geography and others- NSS and Social Science forum organized Environmental awareness activities to our students and neighboring villages.

The college encourages the Department of Geography and the Environment Committee to focus on the Green Campus, Waste Management, Water Management, Air Pollution, Energy Management as far as its present situation, drawbacks, strengths and the remedies to the problems if any to overcome out of it. Even the college advised to the department to seek any aid of outside agencies if required.

2. OVERVIEW OF THE COLLEGE:

Shri Asaramji Bhandwalder Arts, Commerce and Science College, Aurangabad Maharashtra is a recognized college, established in Sept.1994 by Shri. Ganesh Education Society Deogaon (R.) founded by Late Shri. Asaramji Bhandwalder. The aim of the institute and the college are to bring the socio-economically backward, deprived class of the society and particularly first learning generation in the very channel of higher education. The college is situated in the rural draught prone area of Kannad tehsil in the district of Aurangabad, state of Maharashtra.


Principal

The college has been running three faculties-Arts, Commerce and Science at the undergraduate level and Post-graduation in the subject Commerce and Economics besides Research centers of both the subjects. More than a thousand students has been admitting in the college in each academic year. Besides the college has a spacious Play ground, a Gym, a Girls' Hostel, a Computer Centre and a Knowledge Centre with e- facilities. The college has made available separate infrastructural facilities to each and every department with availability of technological tools with WIFI and internet connection. The college has been taking efforts to avail all the knowledge resources to our rural students to inculcate certain academic confidence and skills to compete with the global world.

3. AIMS AND OBJECTIVES ENVIRONMENTAL AUDIT:

The broad aims/objectives of the Environmental Audit Mechanism are as follows:

- A. To organize Environmental awareness programmes through various activities with scientific approach in the college.
- B. To improve environmental standards in the campus and the neighboring villages.
- C. To take active steps for environmental protection initiatives
- D. To minimize / Reduce use of available resources.
- E. To save finance by reducing the use of resources.
- F. To aware and encourage students to initiate in environmental issues.
- G. To avail practical experience to the students and faculty members to know and understand the environmental aspects.
- H. To develop the attitude of ownership, personal duty and social responsibility in relation to the elements of environment.
- I. To develop an environmental ethic and value system in the college.
- J. To nurture the relationship value between natural world and human world.

4. ENVIRONMENTAL AUDIT RESPONSIBILITIES:

The Department of Geography has been playing the leading and responsible role in collaboration with the Environmental Committee of each academic year. The concern faculty members and students are as follows:

Department of Geography	Dr. Rajendra Bhalerao	Head, Dept. of Geography
	Dr. Ramesh Mahalkar	Assistant Professor, Dept. of Geography


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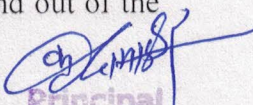


Environmental Committee: 2020-21			
Sr.	Name	Designation	Charge of Environmental Committee
1.	Prof. Malkar Krushna D	Vice Principal & Head, Dept. of History	Chairman
2.	Dr. Dapke Vilas J.	Dept. of Commerce	Secretary
3.	Mahendra Divekar	Administration	Member
4.	Chandel Amol Ramesh	Student in the class B.A.I	Member
5.	Kolse Akash Navnath	Student in the class B.A.I	Member
6.	Aher Sambha Sominath	Student in the class B.A.II	Member
7.	Bhosle Kiran Popat	Student in the class B.A.III	Member
8.	Gavli Ganesh Shainath	Student in the class B.Com I	Member
9.	Chauthe Chetan Rajendra	Student in the class B.Com II	Member
10.	Bhalerao Akash Kishor	Student in the class B.Com III	Member
11.	Aher Mayur Ahok	Student in the class B.Sc. I	Member
12.	Jadhav Krushna Ramdas	Student in the class B. Sc, II	Member

5. PRELIMINARIES / EXECUTIVE SUMMARY:

The college acknowledges the importance of Environmental Audit, as it need to be done regularly to comply with the nature to save and preserve natural sources and energy; and to be well aware and equipped with initiative for the growth of Environmental elements for the next generation. And in this time when the globe is in danger one can able to see the scarcity in near future.

And hence the college has been initiating in the Environmental assessment of campus in compliance with applicable scientific approach, environmental current research from various research agencies and laws and regulations of Governments. So as per directions, the college has established certain mechanism to monitor environmental issues in and out of the college campus.


Principal



This environmental audit conducted in between 2019 and 2022 towards environmental current situation, its protection and environmental awareness among the students and neighboring peasants. Environmental Audit has been taking the cognizance of the surrounding nature- waste minimization and management, energy conservation, water conservation, biodiversity conservation etc.

6. Environmental Audit Mechanism:

The Department of Geography has been playing a leading and responsible role in the auditing. The Department of Geography has been organizing several meetings with the Environmental Committee members under the chairmanship of the Vice-Principal for the following reasons:

- ❖ Preparation of Action plan- in the campus and outside of the campus.
- ❖ Spot visits,
- ❖ Preparation of questionnaire,
- ❖ Data collection
- ❖ Actual implementation,
- ❖ Spot revisits,
- ❖ Actions as per remedies sought out.
- ❖ Final outcomes/ Report of the activity done.

7. METHODOLOGY ADOPTED FOR ENVIRONMENTAL AUDIT:

The college has been following certain methodology to conduct the Environmental Audit of the college and its campus as follows:

I. Preparation of Action plan-

The Department of Geography plans in each academic year at the beginning of the academic year and demand the principal regarding it, which is followed by the establishment of Environmental Committee incorporating students under the chairmanship of the Vice principal. The Dept. of Geography plans tentative schedule of time and activity as an agenda for the meeting of Action plan. In the Action Plan meeting further activities are confirmed for the implementation.

Even the Environmental awareness programs are being planned in the meeting during the academic year in and out of the college campus.

II. Onsite Visit-


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The faculty members of the Dept. of Geography and the Environmental Committee used to conduct two day spot visit, with an intention to observe and assess the details in relation to the Environmental elements and issues, even focusing on the status of the infrastructure, plants, water sources, pipes and taps, the condition of conservation, wastages in and out of the college, energy utilization, electric equipments and energy conservation strategies etc. Each section of the college premise are visited with minute observation and pointed out the factual situation The data, photos, samples are collected and analyzed with scientific temper in the meeting.

III. Group Discussion-

All the data collected and observed in the spot visit are discussed regarding the current situation, its reduction, invention of any new model to preserve or as an option to minimize its use. Through detail discussion certain conclusions are made.

IV. Survey Analysis-

After collecting certain information in relation to the energy consumption and wastages, the Jumbo committee discuss on the issues and make certain conclusions, suggestion with scientific temper.

8. AREAS IDENTIFIED FOR ENVIRONMENTAL AUDIT:

1. Energy Utilization and Conservation:

- ❖ In the Administrative building
- ❖ In the class rooms
- ❖ In the various departments
- ❖ In the library
- ❖ In the computer centre
- ❖ In the Gym
- ❖ In the Laboratories
- ❖ For the electric motors located in the bore tube and well

2. Water Management:

- ❖ For Drinking
- ❖ For Bathrooms
- ❖ For Plantation


Principal



3. Waste Management and Recycling:

- ❖ Bio-diversity
- ❖ Non-bio diversity
- ❖ Any other

4. Greenery:

- ❖ Plants/ Trees available and its types
- ❖ Location of plants/ trees available
- ❖ Identification of areas and plants to be planted in future

5. Clean Air:

- ❖ Class Rooms
- ❖ Library
- ❖ Laboratories
- ❖ Bathrooms
- ❖ Computer Center

9. ENVIRONMENTAL AUDIT - QUESTIONNAIRE:

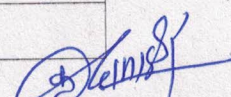
1. The areas environmental auditing to be followed:

(Tick mark the following elements considered)

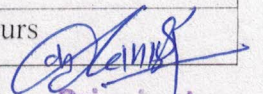
- A. Energy Conservation
- B. Water Conservation
- C. Waste Minimization and Recycling
- D. Greening
- E. Clean Air
- F. Environmental Legislative
- G. General Practices

2. The student and faculty strength of the college is listed below:

Title	Year	Male	Female	Total
Number of students	2019-20	862	690	1552
	2020-21	1138	764	1902
	2021-22	648	583	1231
Number of teachers		27	03	30


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		Fan	06		8 hours
Dept.	Marathi	Computer	01	32Bt	5.5 hours
		Bulbs	01	16W	5.5 hours
		Fan	01		5.5 hours
	Hindi	Computer	01	32Bt	5.5 hours
		Bulbs	01	16	5.5 hours
		Fan	01		5.5 hours
	English	Computer	01	32Bt	5.5 hours
		Bulbs	01	16	5.5 hours
		Fan	01		5.5 hours
	Pub Adm	Computer	01	32Bt	5.5 hours
		Bulbs	01	16	00
		Fan	02		5.5 hours
	Eco	Computer	01	32Bt	5.5 hours
		Bulbs	01	16	5.5 hours
		Fan	01		5.5 hours
	History	Computer	02	32Bt	06 hours
		Bulbs	01	16	06 hours
		Fan	01		06 hours
	Geography	Computer	02	32Bt	5.5 hours
		Bulbs	--	16	5.5 hours
		Fan	02		5.5 hours
	Political Science	Computer	01	32Bt	5.5 hours
		Bulbs	01	16	5.5 hours


Principal



	Commerce	Fan	01		5.5 hours
		Computer	01	32Bt	5.5 hours
		Bulbs	01	16	5.5 hours
		Fan	01		5.5 hours
Libraries		Computer	11	32Bt	08 hours
		Bulbs	07	16	08 hours
		Fan	05		08 hours
Laboratories		Computer		32Bt	
		Bulbs		16	
		Fan			
Gym		Computer	01	32Bt	5.5 hours
		Bulbs	01	16	5.5 hours
		Fan	01		5.5 hours
Computer centre		Computer		32Bt	
		Bulbs		16	
		Fan			
Motor			03	5.8 hp	04 hours

Table No.02

Sr.	Electrical appliances /instruments	Quantity	Power W/u nit	Total power	KW	Operation /day
1.	CFL	11	14	154		0
2.	Tube	21	22	242		0
3.	Led Bulb	11	14	154		0
4.	Led Tube	05	14	70		0
5.	Projector	02				5hrs
6.	Music system & Speakers	02				2hrs
7.	Fan	43				6hrs
8.	Computer	72				6hrs

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9.	Laptops	01				
10.	A.C.	01				0
11.	Printers	12				3hrs
12.	Photostat Machine	00				
13.	Scanner	01				
14.	Ups	05				5hrs
15.	Refrigerator	02				24hrs
16.	Table Fan	03				
17.	Exhaust Fan	04				5hrs
18.	Motor	03				2hrs
19.	Any					

6. Water Management (Utilization & Conservation):

The college has two water sources- one well and one bore tube. These source of water are recharging with rainwater from the roof.

- A. A total of 3000 Lt per day of water is pumped out from the well every day.
- B. Wastage of water - Nil
- C. An average of 75000 L of water is used by the College per month.


6.1. Water available in the College campus:

Sr.	Source of water	Well	Bore tube	Any issue	Remark
1.	Quantity	01	01	01	
2.	Number of motors	01	01	01	
3.	Horse power of Motor				
4.	Depth of water source	150 Ft	300Ft		
5.	Water level				
6.	Number of water tanks available on the source	02			
7.	Capacity of tank in Liter	11000 lts			
8.	Quantity of water pumped every day	3000 L	1000 L	Bore well water is available only for 5	

[Signature]
Principal



				months	
9.	Any water wastage?				Yes
10.	Water usage for plants/gardening				Yes
11.	Waste water sources				
12.	Use of waste water				Yes
13.	wastewater from labs				Is collected in a tank processed
14.	Is Rain water harvesting available?				Yes
15.	No. of units and amount of water harvested				yes
16.	Any leaky taps/ pipes				No
17.	Amount of water lost per day from leaky taps/pipes				Nil
18.	Any water management plan used?				All students of the campus wash their hands near the plants so plants will get water & no wastage of water
19.	Any water saving techniques followed?				
20.	Are there any signs reminding students/ staff to turn off the water?				Yes


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 Shri Asaramji Chaudhary Vastu Vigyan Mahavidyalaya
 Comm. & Science College



7. Waste Minimization and Recycling:

A. Office				
Approx	Biodegradable	Non -biodegradable	Hazardous	Others
<1Kg	<1 Kg	Papers	--	--
2-10Kg	--	--	--	--
>10Kg	--			
B. Laboratories				
Approx	Biodegradable	Non -biodegradable	Hazardous	Others
<1Kg	--	--	--	--
2-10Kg	--	--	--	--
>10Kg				

C. Waste generated in the college:		
Composting/Vermi- composting	Yes/ No	Remark
Recycling	Yes	Wet waste is converted into manure
Reusing	Yes	
Other ways		

D. Waste generated in the college		
Particulars	Yes/No	Remark
E-waste	Yes	Dead stock register is maintained and proper policy is followed
Plastic waste	Yes	Is collected and given to vendors
Solid waste	Yes	Compost pit is made for manure
Dry leaves	Yes	Spread at the bottom of trees so that water will not evaporate soon and keep wet at the bottom of the tree
Unused equipment	Yes	
Water waste	Yes	Channels are made so that this waste water from the tap will go to the plant. Waste water from toilet is transferred to absorption pits

(Signature)
Principal



Do you use recycled paper in college ?	No
Any waste management methods used ? If yes, specify	

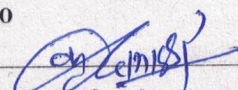
8. Plantation/ Greening the College Campus:

Total number of plants in the college campus:142

Sr.	Common/Local name	Scientific Name	Number of trees
1	Neem Trees		30
2	Mango		03
3	Kanchan (Bauhinia variegata)		04
4	Peepal		01
5	Subhabhool		23
6	Sagwan		01
7	Ashoka		02
8	Gulmohar		02
9	Sisam		03
10	Yellow oleander		03
11	Portia Tree		14
12	Custard Apple		12
13	Bogan Well		12
14	Chapha White		01
15	Chapha red		01
16	Amala		02
17	Saptparni		02
18	Palas		01
19	Karan		14
20	Other plants		14

9. Environmental Legislative Compliance:

Sr.	Question	Remark
1.	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
2.	Does your institute have any rules to protect the environment? List possible rules you could include.	Yes
3.	Dose Environmental Ambient Air Quality Monitoring conducted by the Institute?	No


Principal



4.	Dose Environmental Water and Wastewater Quality monitoring conducted by the Institute?	No
5.	Dose any Hazardous waste generated by the Institute? If yes explain its category and disposal method	No
6.	Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
7.	Does your institute have any rules to protect the environment? List possible rules you could include.	Yes
8.	Are students and faculties aware of environmental cleanliness ways? If Yes Explain	Yes
9.	Dose Important Days Like World Environment Day, Earth Day, and Ozone Day etc. eminent in Campus?	Yes
10.	Dose Institute participated in National and Local Environmental Protection Movement?	Yes
11.	Dose Institution conducts a green/ environmental audit of its campus?	Yes at college level
12.	Has the institution been audited / accredited by any other agency such as NABL, NABET, TQPM, NAAC etc.?	NAAC

10. Best Practices/Initiatives For Environment

Sr No.	Title	Specification
1	Renewable Energy	Solar energy plant
2	Tree Plantation Drives	Yes
3	Ground Water Recharge.	Yes
4	Pollution Reduction	-
5	E- Waste Management	Yes
6	Adoption of Village	Yes-Unnat Bharat Abhiyan
7	Water Conservation	Yes


12. TEAM MEMBERS OF ENVIRONMENT AUDIT:

Sr	Name of the Members	Designation	Signature
1	Dr. Bhalerao Rajendra	Head, Dept. of Geography	
2	Dr. Mahalkar Ramesh Trimbak	Assi. Professor, Dept. of Geography	
3	Prof. Malkar Krushna Dadarao	Vice Principal	
4	Dr. Dapke Vilas Govindrao	Faculty of Commerce	

(Signature)
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5	Chandel Amol Ramesh	Student	
6	Kolse Akash Navnath	Student	
7	Aher Sambha Sominath	Student	
8	Bhosle Kiran Popat	Student	
9	Gavli Ganesh Shainath	Student	
10	Chauthe Chetan Rajendra	Student	
11	Bhalerao Akash Kishor	Student	
12	Aher Mayur Ahok	Student	
Sign			
CO-ORDINATOR IQAC			


PRINCIPAL
Shri Asaramji Bhikshoji Bhawan
Comm. & Science College
Deoghar (Jh), Ta. Khatwa,
Dist. Arunachal-731115



Shri Ganesh Education Society's

Shri. Asaramji Bhandwaldar Arts, Comm. Science College,

Deogaon (R.) Tq. Kannad Dist. Aurangabad (M.S.)

ESTED:1994



Principal: Dr K.D. Malkar Ph.No.(02435)247525, Mob.No.8208374052

Email: Prinabcollege@yahoo.in

Permanent Affiliation to : 2004-05/32442-44, Date 12/10/2004, 2(f)&12(B)-No.-F8-72/2006(CCP-1) June-2007

*Tree plantation and Clean and Green
campus initiatives.*

Green Audit

The main objective of the Green Audit is carried out to upgrade environment condition in and out of the college. Every year it is carried out by our Geography department with the aid of performing tasks with waste management, energy saving, tree plantation, water resources etc.

The objectives of the green audit are-

1. To secure the environment and cut down the threats posed to human health
2. To suggest best protocols for adding to sustainable development
3. To improve the ecosystem of campus by tree plantation

Green Audit involves-

Water Audit

This involves identifying the sources of water and taking precaution of these resources.

One of the best practices is water harvesting. The water from roofs is recycled in the bore well and open well.

Waste Management

It is carried out to maintain the campus clean and free from pollution and hazard to soil, air, water etc. Due to this the waste is segregated into dry waste, garden waste, hazardous chemical waste from laboratories. Due to this audit we can frame the policies and suggest best way to combat the problems.

Energy Audit

It deals with the energy conservation and methods to reduce its consumption and the related pollution.

Using Renewable energy

Resources which can be replenished should be used such as rain, sunlight, wind etc.

Action Taken

With this regard Following measures have been taken

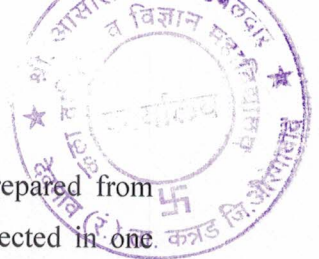
Water Conservation

There was water scarcity. Hence in May 2019 old well in the campus was rebuilt by increasing capacity. Also water from ground is poured in the well through channels. Due to this renovation of well abundant water is available. For this renovation one of our faculty member Dr Sindhu Solapure donated money to the parent institute.

Waste Management

(Signature)
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Shri Asaramji Bhandwaldar Arts,
Comm. & Science College
Deogaon (R), Tq. Kannad,
Dist. A'bad-431115



There is well planned system for the waste disposal. Compost, manure is prepared from garden waste and degradable waste. Plastic articles like bags, bottles are collected in one container and send to vendors who recycle it.

Energy Management

The college was paying 20000 to 25000 Rs energy bill per month. To reduce these expenses solar energy generation plant was installed in annuary 2019, reducing energy bill to on an average 500 to 1000 per month.

The college also have planted trees in the campus.

Shri Asaramji Bhandwadar Arts, Commerce and Science College have seven acre campus having various trees planted in the campus. The campus have more Indigenous plants. The campus have following plants

Sr. No	Name of Tree	Qty
1.	Neem Tree	30
2.	Mango	03
3.	Kanchan (Bauhinia variegata)	04
4.	Peepal	01
5.	Subabhoel	23
6.	Sagwan	01
7.	Ashoka	02
8.	Gulmohar	02
9.	Sisam	03
10.	yellow oleander	14
11.	Portia Tree	12
12.	Custard Apple	12
13.	Bogan Well	01
14.	Chapha White	01
15.	Chapha red	02
16.	Amala	02
17.	Saptparni	01
18.	Palas	14
19.	Karan	14
	Other plants	14


Principal

**Shri Asaramji Bhandwadar Arts,
Comm. & Science College**
Deogaon (R), Tq. Kannad,
Dist. A'bad-431115