<u>CERTIFICATE</u>

This is to certify that Environment Audit at Dr. Bhimrao Govt. College. Baloda. Dist.- Mahasamund was conducted on 10.04.2022

The instituite has submitted necessary data and credential for scrutiny. It is found the college is trying its best to reduce pollution and carbon, emission. The college also has 100% rain water harvesting system to recharge underground water level.

Certificate No GA/BALODA/01/2022 Valid upto 10.04.2024

Date- 16.04.2022

Range Assistant Baloda 16 4 22

सहायक परिक्षेत्र अधिकारी

Dr. BHIMRAO AMBEDKAR GOVT. COLLEGE BALODA, DIST-MAHASAMUND SESSION 2021-22



AUDITED BY:

FOREST DEPARTMENT SARAIPALI, GALODA
DIST- MAHASAMUND (C.G.)

सहायक परिक्षेत्र अधिकारी बलीदा

Attested

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Attested

1. ACKNOWLEDGEMENT

BALODA

Forest Department Saraipali Environmental Audit Team thanks the management of Dr. Bhimrao Ambedkar Govt. College Baloda Dist Mahasamund for assigning this important work of Environmental Audit. We appreciate the co-operation to our team for completion of study.

Our special thanks are due to:

Principal of the college

Mr A.L. Patel (In-charge Principal)

IQAC in-charge and Professor of English

Mr. Gajanand Nayak

IQAC member and Professor of Chemistry

Ms Anita Patel

Green Audit coordinator

Ms Kamla Diwan

Energy Audit coordinator

Ms. Kiran Kumari

All Teaching & Supporting Staff of College for giving us necessary inputs to convert this very vital exercise of Environment Audit. We are also thankful to other staff members who were actively involved while collecting the data and conducting field measurements.

2. DISCLAIMER

BALDDA

Forest Department Saraipali Environment Audit Team has prepared this report for Dr. Bhimrao Ambedkar Govt. College Baloda Dist Mahasamund based on input data submitted by the representatives of College complemented with the best judgment capacity of the expert team.

It is further informed that the conclusions are arrived following best estimates and no representation, warranty or undertaking, express or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

If you wish to distribute copies of this report external to your organisation, then all pages must be included.

Forest Department Saraipali Environment Audit Team staff shall keep confidential all information relating to your organisation and shall not disclose any such information to any third party, except that in the public domain or required by law or relevant accreditation bodies.

Forest department Saraipali Environment Audit Team staff and accreditation body has signed individual confidentiality undertakings and will only receive confidential information on 'need to know' basis.

BALODA

Report by: Forest Department Saraipali

Attested

3. CONTEXT

Environment Audit focuses on the Green Campus, Waste Management, Water Management, Air Pollution & Energy Management etc. being implemented by the College Management. The concept, structure, objectives, methodology, tools of analysis, objectives of the audit are mentioned below.

4. CONCEPT

The term "Environmental audit' means differently to different people. Terms like assessment, 'survey' and 'review' are also used to describe similar activities. Furthermore, some organizations/Institutions believe that an 'environmental audit' addresses only environmental matters, whereas others use the term to mean an audit of health, safety and environment related matters. Although there is no universal definition of Environmental Audit, many leading companies/institutions follow the basic philosophy and approach summarized by the broad definition adopted by the International Chambers of Commerce (ICC) in its publication of Environmental Auditing (1989).

The ICC defines Environmental Auditing as:

"A management tool comprising a systematic, documented, periodic and objective evaluation of how well environmental organization, management and equipment are performing with the aim of safeguarding the environment and natural resources in its operations/projects." The outcome of Environment Audit should be established with concrete evidence that the — measures undertaken and facilities in the institution under environmental auditing.

5. INTRODUCTION

A Nation's growth starts from its educational institutions, where the ecology is thought as a prime factor of development associated with environment. Educational institutions nowadays are becoming more sensitive to environmental factors and more concepts are being introduced to make them eco-friendly. To preserve the environment within the campus, various viewpoints are applied by the several educational institutes to solve their environmental problems such as promotion of the energy savings, recycle of waste, water reduction, water harvesting etc. The activities pursued by colleges can also create a variety of adverse environmental impacts. Environmental auditing is a process whereby an organization's environmental performance is tested against its environmental policies and objectives. Green audit is defined as an official examination of the effects a college has on the environment. As a part of such practice, internal environmental audit is conducted to evaluate the actual scenario at the campus.

Green Audit and Energy 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. Green auditing and the implementation of mitigation measures is a win-win situation for all the college, the learners and the planet. It can also create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of Green impact on campus. Green Audit and Energy Audit promote financial savings through reduction of resource use. It gives an opportunity for the development of ownership, personal and social responsibility for the students and teachers. 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. A clean and healthy environment aids effective learning and provides a conducive learning environment. There are various efforts around the world to address environmental education issues.

Environmental Management Systems (EMS) is very popular in the industrial sector, but the general belief is that EMS is something pertaining to industries only. Other parts of the world have started adopting compatible environmental management systems either voluntarily or for promoting standards by external certification. International environmental standards do not suit the existing Indian educational system. Hence FOREST DEPARTMENT Saraipali (Back) Environment Audit Team has developed a compatible system by developing locally-applicable techniques. A very simple indigenized system has been devised to monitor the environmental performance of educational institutions. It comes with a series of questions to be answered on a regular basis. Environmental conditions may be monitored from angles that are relevant to Indian requirement, without stress on legal issues or compliance. This innovative scheme is user-friendly and totally voluntary. The environmental monitoring system helps the institution to set environmental examples for the community and to educate young learners. It can be adapted to urban and / or rural situations.

Attested

6. OVERVIEW OF INSTITUTE

Government College Baloda was established by the department in the session 2012-13. This college is located in the block Saraipali. Its distance is 20 kilometers away from block Saraipali.

There is a famous Shishupal Mountain 10km far from Baloda.

Attested

College imparts education in the following Departments:

- > Department of English
- > Department of Hindi
- > Department of Chemistry
- > Department of Botany
- > Department of Zoology
- > Department of Political Science
- > Department of History
- > Department of Commerce
- > Department of Geography

COURSE OFFERED

Bachelor of Arts.

Bachelor of Commerce

Bachelor of Science

Attested

7. OBJECTIVES AND SCOPE

The broad aims/benefits of the eco-auditing system would be:

- Environmental education through systematic environmental management approach
- Improving environmental standards
- Benchmarking for environmental protection initiatives
- Sustainable use of natural resource in the campus.
- Financial savings through a reduction in resource use
- Curriculum enrichment through practical experience
- ❖ Development of ownership, personal and social responsibility for the College campus and its environr
- Enhancement of College profile

Developing an environmental ethic and value systems in young people

Name	Designation
Mr A.L. Patel	Principal In-charge
	m-charge
Mr Gajanand Nayak	Assistant
	Professor
Ms. Anita Patel	Assistant
	Professor

8. AUDIT PARTICIPANTS

On behalf of Institute:

Auditor:

AGOJAB

FOREST DEPARTMENT Saraipali, Environment Audit Team

Attested

9. EXECUTIVE SUMMARY

An environmental audit is a snapshot in time, in which one assesses campus performance in complying with applicable environmental laws and regulations. Though a helpful benchmark, the audit almost immediately becomes outdated unless there is some mechanism in place to continue the effort of monitoring environmental compliance. Audit criterion is environmental cognizance, waste minimization and management, biodiversity conservation, water conservation, energy conservation and environmental legislative compliance by the campus. A questionnaire is used during audit. This audit report contains observations and recommendations for improvement of environmental consciousness

10. AREAS OF IMPROVEMENT

- Environment Policy is to be adopted by the College Campus.
- * Water Meter should be installed and maintain the inventory of ground water extraction.
- * Resource bore well. Stack height of DG set should be as per DG Rules.
- Storage of chemicals like; paints, gums resins, oils, lubricants, acids etc. in designated place and safety/warning signs should be displayed.
- Internal inspection system should be developed for various aspects of environment available in campus.
- Waste Management plan should be prepared for the campus.

Display of environment awareness posters should be there in the prominent areas of campus.

Which of the following are found near your institute?

The state of the s	
1 Gram Panchayat dump yard	No
2 Garbage heap	Yes
3 Public convenience	Yes
4 Sewer line	No
5 Stagnant water	No
6 Open drainage	No
7 Industry-(Mention the type)	No

11.1 WASTE MINIMIZATION AND RECYCLING

Does your institute generate any waste? If so, what are they?	Yes, Solid waste, paper waste, plastic waste, toiletry waste, Horticulture Waste, etc	
How is the waste generated in the institute managed?	Pits are there in campus, Reuse of one side printed Paper for internal communication Two types of Waste bins are: provided at campus for biodegradable and non-biodegradable waste.	
Do you use recycled paper in institute?	Yes, in academic evaluation works	
Do you use reused paper in institute?	Yes	
How would you spread the message of recycling to in the community?	Yes, NSS unit carried out numerous activities. Recycling campaigns, e waste	
Have you taken any initiatives? If yes, please specify.	Management of Anti plastic campaigns, Plantation, sustainable goal awareness program.	
Can you achieve zero garbage in your institute? If yes, how?	As per new waste nanagement at kind of waste is managed in an adequate manner without any deviation.	

11.2 WATER CONSERVATION

List uses of water in your institute	Basic usage of water in campus are; Drinking, Gardening, Kitchen & Toilets, and Others.
How does your institute store water? Are there any water saving techniques followed in your institute?	Water tank installed for storage of water. Avoid overflow of water controlled valves are provided in water supply system.
If there is water wastage, specify why and How can the wastage be prevented/stopped?	No
Write down few ways that could reduce the amount of water used in your institute	By Following ways: 1. Close the taps after usage 2. Maintenance and monitoring of valves in supply system to avoid overflow, leakage and spillage 3. Water Conservation awareness for new students
Does your institute harvest rain water?	Water harvesting system is available.
Is there any water recycling System.	No

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11.3 ENVIRONMENTAL LEGISLATIVE COMPLIANCE

Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
Does your institute have any rules to protect the environment? List possible rules you could include.	They have banned single use plastic. Their environment policy includes awareness, and environmental conservation efforts through Green Society and Department of Environmental Sciences. All under graduates are studying the paper of Environmental Sciences, prescribed by UGC.
Does Environmental Ambient Air Quality Monitoring conducted by the Institute?	NA
Does Water and Waste water Quality monitoring conducted by the Institute?	Yes
Is any warning notice, letter issued by state government bodies?	No
Does any Hazardous waste generated by the Institute?	No

Attested

11.4 GENERAL

Are you aware of any environmental Laws pertaining to different aspects of environmental management?	Yes
Does your institute have any rules to protect the environment? List possible rules you could include.	Yes, there are some rules like e banned single use plastic. Their Environmental Policy includes awareness and environmental conservation
Does housekeeping schedule in your campus?	Yes
Are students and faculties aware of environmental cleanliness ways? If Yes Explain	Yes, Periodically pollution reduction, plantation, energy conservation awareness campaigns carried out by institute
Does Important Days Like World Environment Day, Earth Day, and Ozone Day etc. eminent in Campus?	Yes
Does Institute participate in National and Local Environmental Protection Movement?	Yes, Swachh Bharat Mission by students at campus.
Does Institution conduct a green/environmental audit of its campus?	Yes, This is first environmental audit done by the College.

12 BEST PRACTICES/INITIATIVES FOR ENVIRONMENT

Tree Plantation Drives Two Drives Annually as well as Every Guest is honored by Tree Plantation at Campus.	Yes, periodically the plantation drives by students and staff of campus.	
Pollution Reduction Personal Vehicles (Students) not allowed at campus	Reduction in Air Pollution through vehicular emission.	
E Waste Management	No	
Solid Waste Management	Yes, different mechanisms for proper disposal and recycling of e-waste, Municipal Corporation. plastic waste and biodegradable waste	
Adoption of Village/society CSR	Yes	
Water Conservation	Yes, water saving push taps fitted in the drinking water zone and the toilets to avoid the wastage.	

Attested

13. RECOMENDATIONS

- Formation of Environment Policy and communicated to all faculties and other staff members.
- Environmental Monitoring i.e. (Ambient Air Quality monitoring, Stack Monitoring of DG sets)
- Water monitoring need to be conducted.
- ❖ A Reduction in use of paper work by go digital system.
- * Water Meter should be installed at institute for monitoring of water consumption.
- Landscape increase in Environmental promotional activities for spreading awareness at campus.

As practically feasible avoid use of personal vehicles inside the campus.

Attested

14, CONCLUSION

This audit involved extensive consultation with all the campus team, interactions with key personnel on wide range of issues related to Environmental aspects. The Dr. Bhimrao Ambedkar Govt. College Baloda has Environmental Committee for sustainable use of resources. Overall 60% of college campus is for landscaping. The audit has identified several observations for making the campus premise more environmental friendly. The recommendations are also mentioned with observations for campus team to initiate actions. The audit team opines that the overall site is maintained well from environmental perspective There is no major observations but few things are important to initiate urgently are waste management records by monthly inventory of hazardous waste, rainwater harvesting recharge; water balance cycle and periodic inspection of buildings housekeeping and environment policy.

सहायक परिक्षेत्र अधिकारी

बलौदा

पारक्षत्र आध्यमरा









हरिभामि

रायपुर - महासमुंद भूमि 21 July 2022

बलौदा कॉलेज में हुआ पौधारोपण

हरिमूमि न्यूज 🕪 सरायपाली

डॉ भीमराव अंबेडकर शासकीय महाविद्यालय बलौदा में 20 जुलाई को रासेयो इकाई तत्वाधान में पौधरोपण कार्यक्रम किया गया। पर्यावरण के संतुलन को बनाए रखने के लिए पौधरोपण जरूरी है। पौधरोपण का शुभारंभ जनभागीदारी समिति के अध्यक्ष नोविना जगत द्वारा किया गया। कार्यक्रम में विधायक प्रतिनिधि जनभागीदारी समिति महेंद्र बाध ने पौधरोपण के महत्व को बताते हुए पौधरोपण से अधिक उनकी सुरक्षा के लिए प्रेरित किया।

Ŧ,

कार्यक्रम में जनभागीदारी समिति के सदस्यगण, भूतपूर्व छात्र संगठन के सदस्य, ग्राम पंचायत बलौदा, वन विभाग अधिकारी, ग्रामीणजन तथा महाविद्यालय के प्राच्यापक एवं स्टाफ, स्वयंसेवक



सभी ने मिलकर पौधरोपण किया। इसमें पीपल, करौंदा, आंवला, करंज, बादाम, गुलमोहर, नीबू, जामुन आदि फलदार एवं छायादार वृक्ष है। कार्यक्रम में नोविना अमृतलाल जगत जभास अध्यक्ष, महेन्द्र बाघ, पारेश्वर राय, चितरंजन स्वाईं, अंगद डड़सेना सतीश पटेल वन विभाग अधिकारी, शिवप्रसाद बारिक सरपंच कुसमिसरार, विनोद दीवान सरपंच बलीदा, अनिता पटेल प्रभारी प्राचार्य किरण कुमारी, गजानंद नायक प्राध्यापक आईक्यूएससी समन्वयक, रमेश कुमार पटेल प्राध्यापक, विद्याकांत कश्यप, प्रेरणा प्रधान, रश्मि, सूर्यकांति बाघ, कमला दीवान रासेयो कार्यक्रम अधिकारी एवं स्वयंसेवक सम्मिलित रहे। कार्यक्रम में उपस्थित सभी सदस्यों को धन्यवाद ज्ञापित कर कार्यक्रम समाप्ति की घोषणा की गई। इस कार्यक्रम में वन विभाग का विशेष सहयोग प्राप्त हुआ।

शा. महाविद्यालय बलौदा में वृक्षारोपण



सरायपाली, 20 जुलाई (देशबंधु)। डॉ भीमराव अंबेडकर शासकी य महाविद्यालय बलौदा में रासेयो इकाई के तत्वावधान में महाविद्यालय

परिसर मेंवृक्षारोपण किया गया. पर्यावरण के संतुलन को बनाए रखने के लिए वृक्षारोपण जरूरी है जनभागीदारी समिति की अध्यक्ष श्रीमती नोविना जगत विधायक प्रतिनिधि महेंद्र बाघ जनभागीदारी समिति के सदस्यगण, भूतपूर्व छात्र संगठन के सदस्य ग्रामीण जन तथा महाविद्यालय के प्राध्यापक एवं स्टाफ , स्वयंसेवक सभी ने मिलकर पौधरोपण कियाजिसमें पीपल ,करौंदा ,आंवला,करंज , बादाम, गुलमोहर, नीबू, जामुन आदि फलदार एवं छायादार वृक्ष है. कार्यक्रम, पारेश्वर राय, चितरंजन स्वाईं, अंगद डड्सेना सरपंच कुसमी सरारशिवप्रसाद बारिक, सरपंच प्रतिनिधि बलौदाविनोद दिवान डिप्टी रेंजर सतीश पटेलप्रभारी प्राचार्य अनिता पटेल किरण कुमारी, गजानंद नायक प्राध्यापक आई क्यू एस सी समन्वयक, रमेश कुमार पटेल प्राध्यापक, विद्याकांत कश्यप, प्रेरणा प्रधान, रश्मि, सूर्यकांति बाघ, श्रीमती कमला दीवान रासेयो कार्यक्रम अधिकारी एवं स्वयंसेवक सम्मिलित थेकार्यक्रम में उपस्थित थे कार्यक्रम में वन विभाग का विशेष सहयोग रहा।

पर्यावरण के संतुलन को बनाए रखने के लिए वृक्षारोपण जरूरी

शासकीय महाविद्यालय बलौदा में पौधरोपण कार्यक्रम



पायनियर संवादकाता 🚄 सरायपाली www.dailypioneer.com

डॉ भीमराव अंबेडकर शासकीय महाविद्यालय बलौदा में रासेयो इकाई तत्वाधान में वृक्षारोपण कार्यक्रम किया गया। पर्यांवरण के संतुलन को बनाए रखने के लिए वृक्षारोपण जरूरी है, वृक्षारोपण का शुभारंभ जनभागीदारी समिति के अध्यक्ष नोविना जगत के द्वारा किया गया कार्यक्रम में विधायक प्रतिनिधि जनभागीदारी समिति महेंद्र बाघ ने वृक्षारोपण के महत्व को बताते हुए वृक्षारोपण से अधिक उनकी सुरक्षा हेतु प्रेरित किया।

कार्यक्रम में जनभागीदारी समिति के सदस्यगण, भूतपूर्व छात्र संगठन के सदस्य ,ग्राम पंचायत बलौदा , वन विभाग अधिकारी , ग्रामीण जन तथा महाविद्यालय के प्राध्यापक एवं स्टाफ , स्वयंसेवक सभी ने मिलकर पौधरोपण किये . जिसमें पीपल ,कराँदा ,आंवला,करंज , बादाम, गुलमोहर, नीबू , जामुन आदि फलदार एवं छायादार वृक्ष है. कार्यक्रम में नोविना अमृतलाल जगत जभास अध्यक्ष, महेन्द्र बाघ , पारेश्वर राय, चितरंजन स्वाई, अंगद डड़सेना सतीश पटेल वन विभाग अधिकारी, शिवप्रसाद बारिक सरपंच कुसमिसरार, विनोद दीवान सरपंच बलौदा, अनिता पटेल प्रभारी प्राचार्य किरण कुमारी, गजानंद नायक प्राध्यापक आई क्यू एस सी समन्वयक, रमेश कुमार

पटेल प्राध्यापक, विद्याकांत करयप, प्रेरणा प्रधान, रश्मि, सूर्यकांति बाध, कमला दीवान रासेयो कार्यक्रम अधिकारी एवं स्वयंसेवक सम्मिलित रहे.कार्यक्रम में उपस्थित समस्त सदस्यों को धन्यवाद ज्ञापित कर कार्यक्रम समाप्ति की घोषणा की गई। इस कार्यक्रम में वन विभाग का विशेष सहयोग प्राप्त हुआ।

पर्यावरण संतुलन को बनाने रखने किया गया पौधरोपण



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सरायपाली. डॉ. भीमराव अंबेडकर महाविद्यालय बलौदा में रासेयो इकाई तत्वावधान में पौधरोपण कार्यक्रम का आयोजन किया गया। पर्यावरण के संतुलन को बनाए रखने के लिए पौधरोपण का शुभारंभ जनभागीदारी समिति के अध्यक्ष नोविना जगत द्वारा किया गया।

जनभागीदारी समिति के सदस्यगण, भूतपूर्व छात्र संगठन के सदस्य, ग्राम पंचायत बलौदा, वन विभाग अधिकारी, ग्रामीण जन व महाविद्यालय के प्राध्यापक एवं स्टाफ, स्वयंसेवक सभी ने मिलकर पौधरोपण किया। इसमें पीपल, करोंदा, आंवला, करंज, बादाम, गुलमोहर, नीबू, जामुन आदि फलदार एवं छायादार पौधे हैं। कार्यक्रम में अध्यक्ष नोविना अमृतलाल जगत, चितरंजन स्वाई, अंगद डड़सेना, डिप्टी रेंजर सतीश पटेल, शिवप्रसाद बारिक सरपंच कुसमीसरार, विनोद दीवान सरपंच बलौदा, अनिता पटेल प्रभारी प्राचार्य, किरण कुमारी, गजानंद नायक प्राध्यापक आईक्यूएस सी समन्वयक, रमेश कुमार पटेल आदि उपस्थित थे।

































