

Barshi Shikshan Prasarak Mandal's SHRIMAN BHAUSAHEB ZADBUKE MAHAVIDYALAYA BARSHI – 413 401





Q_lM: 7.1.3 : Quality Audits on Environment and Energy Regularly Undertaken by The Institution.

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॥ सा विद्या या विम्क्तये ॥

Off: No. (02184) 222566

www.sbzmb.org

E-Mail:principalsbzmb@rediffmail.com

Barshi Shikshan Prasarak Mandal's

Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi.

P.B. No. 16, Zadbuke Marg, Jamgaon Road, Barshi – 413 401 Dist. Solapur (Maharashtra State)

Approved by Govt. of Maharashtra/Deptt. of Education & Social welfare/Gen.Aff. 15734 dt. 1/11/1969.

Dr. M.B. Gadekar (M.A., SET, B.Ed., M. Phil., Ph.D., PGDCA) **I/c Principal**

Outward No. SBZMB/2022-23/

Date:

Self-Declaration

This is to certify that the information, reports, true copy of the supporting documents, numerical data and weblinks furnished in this file are verified by IQAC and the head of the institution and found correct.

Hence this certificate is issued.

(Dr. G.R. Kashid)

Co-ordinator Internal Quality Assurance Cell Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi A. L. Marionidya

(Dr. M.B. Gadekar)
I/c Principal
Shriman Bhausaheb Zadbuke
Mahavidyalaya, Barshi

i) Policy Document on Environment and Energy (Web Links)

Policy Document on Environment and Energy

Scope

This is a documented strategy of the organization in terms of its actions relating to the environment commitment to sustainability. We are committed to making a positive impact on the environment by developing and implementing effective green practices and procedures as a rule, not as an exception.

We are dedicated to taking the following actions to achieve our green vision

- Reduce the amount of waste and careful disposal of produced waste
- Reduce carbon footprint of the institution
- Increase our green knowledge

We will ensure that this policy and all procedures relating to it are understood, implemented and maintained by all institute employees and students.

Objectives of the Policy Document

- > To sensitize the students, faculty and staff about green environment and sustainabledevelopment
- > To educate the students, faculty and staff about green environment and sustainabledevelopment measures
- > To adopt, enhance and promote the green initiatives to minimize environmental pollution

Guidelines

<u>Energy and green audit:</u> These audits should be carried out and necessary corrective measures should be taken.

<u>Limited entry of vehicles:</u> The entry of vehicles in the campus is limited. All the college staff/ faculty/student's members are encouraged use public transport or car pool, etc.

<u>Use of Bicycle/ battery powered vehicles is encouraged</u>: The employees and students are encouraged to use bicycle or battery powered vehicles.

<u>Pedestrian-friendly pathways</u>: The institute should have pedestrian friendly pathways. Any new modifications made in the infrastructure should also be with respect to above consideration.

<u>Ban on use of Plastic:</u> The college continuously committed to work towards plastic-free campus. There is complete ban on single-use plastics in the Institution's premises.

<u>Plantation of trees and plants:</u> Plant more trees within and outside campus to clean the atmosphere and keep it green.

Measures for energy conservation: All should ensure optimum utilization of lights, fans and other electronic devices, turning them off when not in use. The activation of power management systems (power saving modes) in electronic devices like computers, laptops etc. should be done, when not in use. Utilization of LED or compact fluorescent bulbs should be done as far as possible. The purchase of equipments or instruments should be made in view of energy conservation Utilization of alternative sources of energy should be promoted.

<u>Digital Library / E-Learning Centre:</u> All should promote utilization of e-resources like e-books, online journals and softcopies over hard copies/papers wherever possible. All should use e-mail/ messaging services for official communications instead of paperas far as possible. Utilization of learning management systems and e- platforms should be promoted.

<u>e-Governance:</u> Measures should be taken to promote e-governance. Printing of documents should be done back to back whenever feasible to avoid use of more papers.

<u>Waste Management:</u> All should aptly utilize the dust bins for waste disposal made available at differentlocations in premises and the campus. All should strictly exercise separate disposal of dry, wet, electronic and biomedical waste. The disposal of chemicals and laboratory waste should be done suitably by dilution/chemical treatment method.

<u>Water management:</u> All are required to use water cautiously. Suitable measures may be taken to prevent wastage of water in conduct of experiments andother day to day activities. Measures for conservation of water like water recycling, rain water harvesting systemsetc. should be promoted. While developing a new infrastructure, careful planning should be done with regards to this green and environmental policy. All should strictly adhere to the above mentioned rules and regulations.

The Policy Document is effective from 1st September 2017 and is subject to reviewafter 5years or as and when required.

GREEN CAMPUS AND ENVIRONMENT POLICY (Weblink)

Sr.No.	Title	Link
1	Policy Document on GREEN CAMPUS AND ENVIRONMENT	http://sbzmb.org/Downloads/Menu/Policy%20Document-Green%20Campus%20and%20Evnironment.pdf



Barshi Shikshan Prasarak Mandal's

SHRIMAN BHAUSAHEB ZADBUKE MAHAVIDYALAYA **BARSHI - 413 401**



ii) Policy Document

on

Green Audit / Environment Audit **Energy Audit**











Green Audit/Environment Audit/Energy Audit

i) Green Audit/Environment Audit/Energy Audit (Weblink) Green Audit:

Internal Environmental Green Audit is conducted to evaluate the actual scenario at the campus as per policy document of Institute. Green 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 also create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of green impact on campus. A clean and healthy environment aids effective learning and provides a conducive learning environment. Environment and Green Audit has been done Department of Botany, Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi. The methodology included data collection, insight inspection, evaluation, computation, conducting physical survey and review of relevant documentation.

***** Energy Audit:

Energy conservation is a worldwide objective. Availability and utilization of energy drives the growth of economy and advancement of any country and thus, the demand of energy is increasing day by day. The worldwide mounting energy crisis with galloping cost hike, concern for environmental protection and open market competitive economy possesses serious challenges. In this context college electricity audit has been done by Department of Physics. The Energy Efficiency Assessment was undertaken in order to evaluate energy performance and identify potential energy conservation measures. The assessment was undertaken in three steps, i.e., document review of data and information initially provided by facility, on site activity and preparation of this report. The on-site activity was conducted by assessment team consist of meets with staff, electricians, collection/review of further data and a field inspection of the facilities and equipment's. The facility has executed a number of energy conservation measures at the time of audit itself.

Green Audit/Environment Audit/Energy Audit Report (Weblinks)

Sr. No	Title	Link
1	Green Audit/ Environment Audit Report	http://sbzmb.org/Downloads/Menu/Green %20Audit%20Report(2020-21).pdf
2	Energy Audit Report	http://sbzmb.org/Downloads/Menu/Energy%20Audit%20(2020-21).pdf

Green Audit Report ii)





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GREEN AUDIT REPORT

(2020-2021)

Barshi Shikshan Prasarak Mandal's

Shriman Bhausaheb Zadbuke

Mahavidyalaya, Barshi Zadbuke Marg Latur Road, Barshi Dist-Solapur Maharastra, India. 413401

Website: www.sbzmb.org



Prepared By Dr. (Mrs.) Kavita N. Gaisamudre Assistant Professor

Department of Botany,

Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi Tal. Barshi, Dist- Solapur 413 401.

Green Audit Team

Name	College	Designation	Sign.
Dr. Gaisamudre K.N.	Botany Shriman Bhausaheb Zadbuke Mahavidyalaya Barshi	Professor	ÖK.
Shri. Vhanhure K.T.	Political Science, Shriman Bhausaheb Zadbuke Mahavidyalaya Barshi	Assit. Professor	Edrantine
Shri. Karade B.A.	Gography, Shriman Bhausaheb Zadbuke Mahavidyalaya Barshi	Assit Teacher	BA
Dr. Mohite R. M.	Physics, Shriman Bhausaheb Zadbuke Mahavidyalaya Barshi	Assit. Professor	B,
Shri. Deshmukh D.P.	Botany, Shriman Bhausaheb Zadbuke Mahavidyalaya Barshi	Assit Teacher	Destribus
Ms. Nimbalkar V.B.	Geography, Shriman Bhausaheb Zadbuke Mahavidyalaya Barshi	Assit. Professor	Blimbalker
Shri. Mastud P.M.	Shriman Bhausaheb Zadbuke Mahavidyalaya Barshi	Lab. Attendant	116/00



I/c Principal Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi



Green Audit Certificate

iii) Energy Audit Report

Report

on

Energy Audit

at

Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi (Solapur), Maharashtra

Year: 2020-21

Prepared by

Department of Physics

Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi Email: sbzmbphysics@gmail.com

Page 1

Certificate of ENERGY AUDIT

This is to certify that Shriman Bhausaheb Zadbuke Mahavidyalaya Barshi - 413 401 has conducted ENERGY AUDIT in December 2021 for year 2020-21 for knowing present energy consumption, exploring energy saving opportunities, distributing electrical load equally, mitigate greenhouse gas emission to the environment. This energy audit is also important in terms of increasing the use of equipments running on various non-conventional energy resources.

Date: 30/12/2021

(Dr. Mohite R.M.)

Convener, Energy Audit

(Shri. R.A. Kamble) Chairmen, Energy Audit

Page 2

Report Submission

We, the Committee members of the Energy Audit, are submitting the report to the Principal, Shriman Bhausaheb Zadbuke Mahavidyalaya Barshi and IQAC Coordinator today on 30/12/2021.

(Shri. R.A. Kamble) Chairmen, Energy Audit (Dr. R.M. Mohite) Coordinator, Energy Audit

(Shri. A.S. Umbare) Member, Energy Audit

(Shri. S.A. Deshmukh) Member, Energy Audit

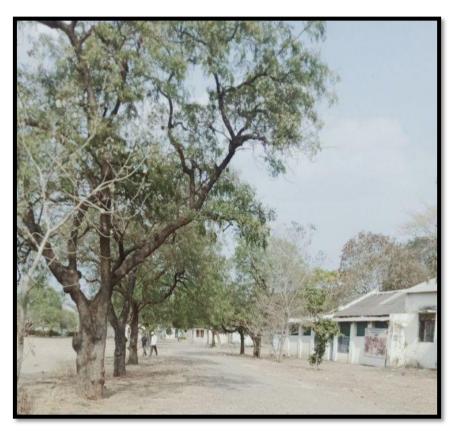
(Shri B.J. Dhole) Member, Energy Audit (Shri. D.M. Kale) Member, Energy Audit



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Clean and Green Campus Initiatives

1) Clean and Green Campus Photographs



Tree Plantation at Gymkaha



Tree plantation around the playground



Tree plantation nearby canteen area



Tree plantation at various places in the college campus





Trees around the playground

2) Cleanliness Drive

i) <u>Cleanliness campaign:</u>





Students cleaning the college campus





Students cleaning Physics Department

ii) Sant Gadgebaba Swachh Abhiyan (Cleanliness campaign)



Students cleaning the Library premises



Students Cleaning the science wing premises





Students Cleaning the science wing premises

iii) Mahatma Gandhi Swatchta Abhiyan





Along with students, teachers also activly participated in cleanliness campaign

iv) Talk on Cleanliness and Health at Malegaon





Dr R.M. Mohite delivering a talk on Cleanliness, Health and Devlopment.

V) Plastic Ban in the Campus



Banner

modifications made in the infrastructure should also be with respect to above consideration.

Ban on use of Plastic

The college continuously committed to work towards plastic-free campus. There is complete ban on single-use plastics in the Institution's premises.

Plantation of trees and plants

Plant more trees within and outside campus to clean the atmosphere and keep it green. $\,$

Measures for energy conservation

All should ensure optimum utilization of lights, fans and other electronic devices, turning them off when not in use. The activation of power management systems (power saving modes) in electronic devices like computers, laptops etc. should be done, when not in use. Utilization of LED or compact fluorescent bulbs should be done as far as possible. The purchase of equipments or instruments should be made in view of energy conservation Utilization of alternative sources of energy should be promoted.

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* e-Governance

Measures should be taken to promote e-governance. Printing of documents should be done back to back whenever feasible to avoid use of more papers.

❖ Waste Management

All should aptly utilize the dust bins for waste disposal made available at different locations in premises and the campus. The disposal of chemicals and laboratory waste should be done suitably by dilution/chemical treatment method.

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3) Tree Plantation

i) Tree Plantation on the occasion of World Environment Day



Flyer: World Environment Day

Lstd 1969 मा विद्या या विस्कार्य Off. (02184) 222566 L-mail - principalshamb@rediffmail.com Barshi Shikshan Prasarak Mandal's SHRIMAN BHAUSAHEB ZADBUKE MAHAVIDYALAYA, BARSHI. DIST.- SOLAPUR. P. B. No. 16, Zadbuke Marg. BARSHI - 413-401. [Dist. Solapur] (Maharashtra State) Dr. M.B.Gadekar

(MA, SET, B.Ed., MPhil. Ph.D., PGDCA)

Notice

वरिष्ठ महाविद्यालयातील सर्व प्राध्यापक, शिक्षकेतर कर्मचारी, व विद्यार्थ्यांना कर्ळावण्यात येते की, आपल्या महाविद्यालयात शैक्षणिक वर्ष २०२१-२२ अंतर्गत ५ जून -जागतिक पर्यावरण दिनानिमित्त वनस्पतीशास्त्र आणि भूगोल विभागाच्या वतीने ६ जून, सोमवार रोजी खालील उपक्रम राबविण्यात येत आहे. तरी या उपक्रमास सर्वांनी उपस्थित राह्न सहकार्य करावे.

- १. No Vehicle Day (वाहन प्रतिबंध दिवस)
- २. Tree Plantation (वृक्षारोपण)

वेळ : ०९.०० वाजता स्थळ : कॉलेज कॅम्पस

1/c Principal

(म किवना गायलमूद्र)

Mirbalker भगोल विभाग

Mahavidy ilaya, Barshi, Dist Sciar,

(पा. वंशानी निवायकर) एट Painter al Shelman Bhausare & Taubuke

Outward No./SBZMB/

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Notice of the programme



Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi



Department of Geography

Report of Tree Plantation Activity

Date of Programme : 06/06/2022

Category of Programme : Departmental

Topic of Programme : Tree Plantation

Objectives:

- 1. To make college campus green.
- 2. To aware students about pollution's impact on environment.
- 3.To sensitize the students towards importance of trees.

On 06/06/2022 at 09.30 am World Environment Day was celebrated in Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi as a Tree Plantation. Trees were planted in the college campus by the respected Principal of the college Dr. Manoj Gadekar, Prof. Mohan Kamble, Dr. Girish Kashid and students.

Under the guidance of Principal Dr. Manoj Gadekar and in collaboration with Department of Botany and Department of Geography, the activity of tree plantation was organized on Monday 06/06/2022 on the occasion of World Environment Day. The theme of World Environment Day 2022 is Only One Earth and according to this theme, "Clean up pollution before it wipes you out". In introduction, Samir Phaphal (B.Sc. student) explained the importance of nature and need to protect and conserve it. The human inter-relationship and environmental integration in his introduction. Correspondingly Tree Plantation activity was implemented. Total 30 Chaffa trees were planted in the college premises and total 94 students of the college voluntarily brought 40 trees and some medicinal plants etc. were also planted by the hands of the students in the college premises. This activity was organized by Dr. Kavita Gaisamudre and Prof. Vaishali Nimbalkar.

0 0 0





Tree plantation near science wing



Tree plantation at various places in the college

ii) Mazi Vasundara Pledge (one student one plant)

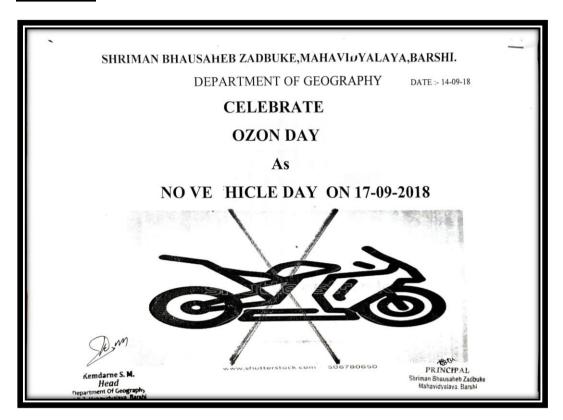






Certificate 'Mazi Vasundhara Mitra'

iii) Ozon Day



श्रीमान भाउसाहेब झाडबुके महाविद्यालय, बार्शी.

भूगोल विभाग

दि. १४/०९/२०१८

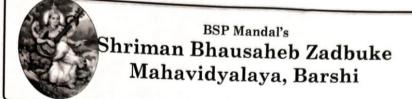
सुचना

किनष्ठ व वरिष्ठ महाविद्यालयातील सर्व विद्यार्थी विद्यार्थीनी, प्राध्यापक,शिक्षक व शिक्षकेतर कर्मचारी यांना कळविण्यात येते कि, महाविद्यालयातील भूगोल विभागाच्या वतीने सोमवार दि. १७/०९/२०१८ रोजी ओझोन दिवस साजरा करण्यात येत आहे. सदर दिवशी आपण सर्वानी संपूर्ण दिवस कोणत्याही प्रकारच्या स्वयंचलित वाहनांचा वापर टाळून होणारे पर्यावरणीय प्रदूषण कमी करण्यासाठी आपला सिक्य सहभाग नोंदवावा.

Man

Kemdarne S. M. Head Department Of Geography S B Z. Mahavidyalaya, Barshi ्राचार्य प्राचार्य

PRINCIPAL Shriman Bhausaheb Zadbuke Mahavidyalava, Barshi





Department of Geography

Report of Ozone Day Activity



Objectives:

- 1. To raise environmental sensitivity and awareness among students about the vehicular pollution.
- 2.To create awareness about global warming caused by vehicular pollution.
- 3.To Encourage for using the bicycles.

In the academic year 2018-19, various programmes were organized by the Department of Geography, mainly on September 16, **Ozone Day** was celebrated as **No Vehicle Day**. The said programme was observed by all the students, teachers and non-teaching staff regarding environmental pollution and this day was observed as Bicycle Use Day by students.

Participants: Total 75 students participated in the programme.

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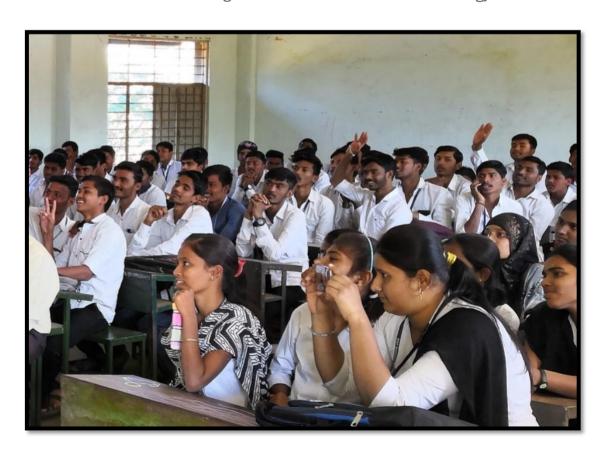


Use of Bicycles

iv) Awareness programme : Guest lecture on "Non-conventional Energy Resources"



Shri Jewalikar A.A. delivering a lecture on :Non-conventional Energy Resources"



4) Beyond the campus activities

i) Cleanliness Drive





Cleaning drive at Malegaon Village

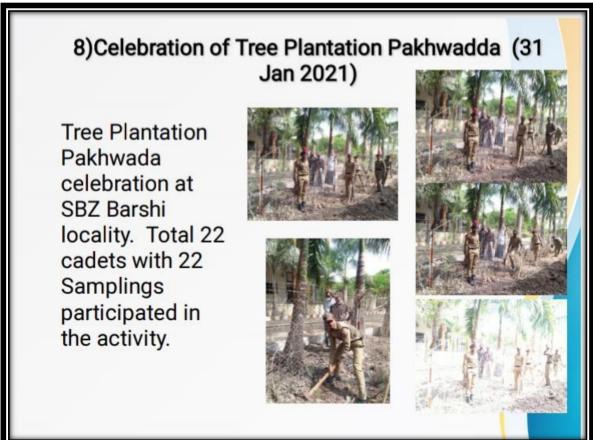




NSS Camp: Cleaning village

ii) Tree Plantation





NCC Activities beyond the campus at various places





NCC cadets Planting trees