

The Berar General Education Society's



**SMT. LAXMIBAI RADHAKISAN TOSHNIWAL  
COLLEGE OF COMMERCE, AKOLA**

Re-accredited "A" Grade by NAAC, Bangalore  
& C. P. E. Status by U.G. C.

**INTERNAL GREEN & ENVIRONMENT  
AUDIT REPORT - 2019 - 2020**



Prepared by:

**Internal Green & Environment Audit Committee  
Smt. Laxmibai Radhakisan Toshniwal College Of Commerce, Akola**



This is to certify that the Internal Green Audit Report of

**Smt. Laxmibai Radhakisan Toshniwal**

**College Of Commerce, Akola**

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 1<sup>st</sup> 2019 - March 31<sup>st</sup> 2020

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



Uday Vaze  
Internal Green Audit Committee Member  
Environmental Management Consultant  
Environment & Forest Education Center  
Ramdas Peth, Akola 444001 M.S. India

*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

**Smt. Laxmibai Radhakisan Toshniwal**

**College Of Commerce, Akola**

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.

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## About the college

The Berar General Education Society, Akola, a premier and pioneering academic body in Western Vidarbha, is engaged in propagating university education since 1935. The B.G.E.Society, Akola runs five colleges under the society namely- (i) Smt. Laxmibai Radhakisan Toshniwal College of Commerce, Akola, (ii) Sitabai Arts College, Akola, (iii) Radhakisan Laxminarayan Toshniwal College of Science, Akola, (iv) Nathmal Goenka Law College, Akola and (v) K. N. Arts and Commerce College, Karanja Lad.


The Berar General Education Society's Smt. Laxmibai Radhakisan Toshniwal College of Commerce, Akola was established in the year 1964 with the great Philanthropic ideals of democratizing education. Smt. Laxmibai Radhakisan Toshniwal College of Commerce came into being as a separate unit in the year 1964. Since then, it has been working as a premier institution of commerce education in the western region of Vidharbha. It is a single faculty college of commerce and management.

The college is providing education from UG to PG through English, Marathi, and Hindi medium. The college has completed 3rd cycle of NAAC. **Received two times 'A' grades in the last two successive cycles of assessment.** UGC has awarded CPE status to the college. Affiliating University (SantGadge Baba Amravati University) has awarded lead college status to the college. The college has its publication 'SPARK' an International Journal of Social Sciences and Humanities. It is a Peer-Reviewed, Referred Multi disciplinary Journal. The college has self-funded courses for fund generation such as MCM, MHRD, M. Phil, DBM, DMM, D.Tax., DFM, Ph.D. and granted courses B.Com. and M.Com. Major Research Projects (MRPs). The college has two computer labs and one language lab. The college has a Girls Hostel, Auditorium Hall, Seminar Hall, Smart Board, and every classroom is equipped with LCD Projector, CCTV camera, Incubation Center, and Research Center in four subjects and well-equipped ground for Sports and Games.

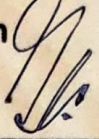
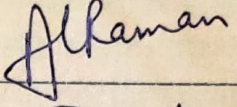
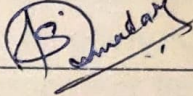

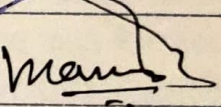
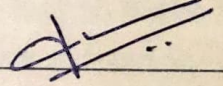
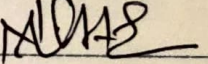

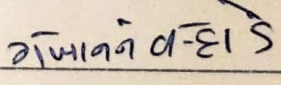
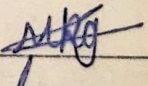
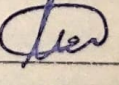
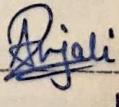
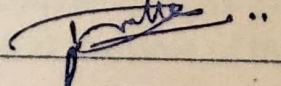
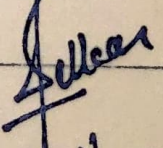
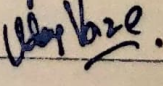
The college library has more than 57,227 books, National and International Journals. The college has an Integrated Library Management System with advanced Softwares including SOUL, OPAC, N- LIST, Shodhganga.

The college promote environmental protection with eco-friendly practices. The college has installed rainwater harvesting units.

Reaching and conquering the highest pinnacle of success has been a cherished dream of the college. Keeping this noble objective in mind, the college is ceaselessly marching towards the accomplishment of quality in higher education.

  
**Smt. Laxmibai Radhakisan Toshniwal  
College Of Commerce, Akola**

**IGEAC : Internal Green and Environment Audit Committee**

Sr. No.	Name	Designation	Sign
01	Dr. S. G. Chapke	Principal / Chairman	
02	Dr. A. L. Raman	HOD, Co-ordinator, IGAC	
03	Dr. S. D. Damodare	Co-ordinator, IGEC	
04	Dr. G. G. Gondane	HOD, Member, IGEAC	
05	Dr. J. M. Kale	HOD, Member, IGEAC	
06	Dr. V. S. Sukhdeve	HOD, Member, IGEAC	
07	Dr. N. M. Gutte	HOD, Member, IGEAC	
08	Mr. Anil Palve	NON T Staff Rep. , IGEAC	
09	Mr. Gajanan Varade	Gardner, Member, IGEAC	
10	Miss Meghna Gangakhedkar, Member, St. Rep, IGEAC		
11	Mr. Tejas Ghode	Member, St Rep, IGEAC	
12	Miss Anjali Champe	Member, St Rep, IGEAC	
13	Mr. Vivek Dhoke	Member, St Rep, IGEAC	
14	Mr. Devendra Telkar	External Member, IGEAC Srushti Vaibhav NGO	
15	Mr. Uday Vaze	External Member, IGEAC Director : EFEC	

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



## Synthesis 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 ambiance. Thus it is imperative that the college should evaluate its contributions towards a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher education institutions in environmental sustainability is more prevalent. Internal Green and Environment Audit are assigned to the Criteria 7 of NAAC, National Assessment and Accreditation Council. The Internal Green & Environment Audit Committee was formed. Committee decided to conduct an Internal Green and Environmental Audit of the college in May 2019. The motive of the internal audit was to make sure that the practices followed in the campus are environment friendly. The questionnaire was obtained with the help of an external member of the Internal Green & Environment Audit Committee. The methodology was simple and started right from collecting data, insight inspection, evaluation, computation, conducting the 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 causing to feel certain that adequate and relevant audit procedures were followed, concrete evidence was gathered and conclusions were drawn from facts.** Recommendations are based on evidence compiled in this report as they existed at the time of the audit.

## Compendium

**It was truly evident from the data collected in several visits to the Smt. Laxmibai Radhakisan Toshniwal College of Commerce, Akola that teaching & non-teaching staff, students of the college are aware of the importance of efforts to save and protect the environment on the campus.** The college staff follows best course of action such as reducing all types of waste, time to time garden maintenance, following composting practices, conducting review meetings, organize environmental educational activities.



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## Introduction

The expeditious urbanization and economic development at the local, national and international level have 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, processes, and procedures for making green campuses for the institutions, businesses, organizations or, factories which will lead for sustainable development.

Smt. L. R. T. College of Commerce, Akola has concentrated its efforts to save the environment in every possible way. The college made it clear from its environment policy that it is a priority area to conserve the environment and promote education & awareness about keeping campus green. The purpose of conducting the Internal Green and Environment Audit is to understand and **make continuous efforts** to reduce the adverse impact on the environment. The college seeks advice from consultants and resource persons in environment education and protection.

## 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 ecological diversity of various institutions, businesses, organizations or factories. It aims to analyze ecological 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 ambiance.

## Internal Environment Audit

An Internal Environment 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 the 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.



## Methodology

Internal Green & Environment Audit Committee was formed and decided to call upon an open discussion on how to conduct Internal Green & Environment Audit. The committee concluded that the external party will look into the overall infrastructure, procedures, practices, and operation of the college and will draft a detailed questionnaire. Questionnaires provide a relatively rapid and efficient way of obtaining large amounts of information from a large number of people. Answers obtained from the open-ended questionnaire are analyzed using qualitative methods and they involve discussions and critical analysis 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.

The efforts were taken to understand the following focus areas and emphasis was given to know facts on the ground :

- i) Observe solid and liquid waste management on the campus.
- ii) Management & performance of water distribution and its conservation, be it a municipal supply or the water collected by rainwater harvesting.
- iii) Drinking water and water consumption for other purposes such as construction, gardening etc, and its management.
- iv) Use of electricity and other types of energy uses and management related to it.
- v) Test air quality, noise level and, water on the campus with the help of external service providers.
- vi) Overall area inspection to find out efforts taken by the college to promote greenery on the campus.
- vii) Initiatives, projects and, activities taken for conservation of flora, fauna and the measures taken to improve environment management systems in the college campus.



The Berar General Education Society's

**SMT. LAXMIBAI RADHAKISAN TOSHNIWAL  
COLLEGE OF COMMERCE, AKOLA**

## **ENVIRONMENT POLICY**

Smt. Laxmibai Radhakisan Toshniwal College Of Commerce, Akola recognizes that its operations can make adverse impact on the environment and is therefore committed to minimizing this impact by adhering to a range of sustainable practices and setting targets to improve its environmental performance.

### **To accomplish this college will:**

- Review and analyze systematically the range of environmental issues arising from its operations.
- Comply with relevant current and anticipated environmental legislation, regulations, and official codes of practice.
- Raise awareness of and encourage participation in environmental matters amongst its students, teaching, non-teaching staff, and community in and around the college campus.
- Ensure that the environmental policy is implemented and supported at all levels of the college.
- Monitor, evaluate, and continuously improve its environmental performance.
- Communicate the progress in reducing its environmental impact openly with internal and external stakeholders.

### **Specific objectives include:**

Reducing the consumption of resources such as paper, fuel, energy & plastic.

Minimizing waste by encouraging re-use and recycling.

Making greater use of recycled products and materials.

Expanding green cover in the college by planting more trees.

By adding Solar Electricity Generation in the college.

Reviewing this Environmental Policy annually to take into account, best environmental practices and changes in teaching methods, legislation, Government targets, and technology.

### Location of the college

Smt. Laxmibai Radhakisan Toshniwal College Of Commerce, Akola is situated in Akola district of Maharashtra State.

Latitude : 20°42'25.66"N

Longitude: 77° 0'37.95"E

### Internal Audit Questionnaire & Internal Audit Forms

Internal Green and Environment Audit Committee were given a host of audit forms and questionnaires. The committee was well supported by the teaching and non-teaching staff of the college to collect the data. The evidence was collected by referring to Questionnaire and field visits to the college.

### Water Quality

Access to safe drinking water is essential to health and, a component of effective policy for health protection. Water is essential to sustain life, and a satisfactory (adequate, safe and accessible) supply should be available to all.

### Sound Pressure Level Testing

Several sound pressure level tests were carried out to measure noise pollution. The results achieved through the test carried out on the campus of Smt. Laxmibai Radhakishan Toshniwal College Of Commerce are enclosed here.

### Primary Air Quality

Several primary air quality tests were carried out. The results of the tests came out to be within prescribed limit. The results achieved through the test carried out on the campus are enclosed here.





### **Biodiversity in campus**

A tree plantation is organized every year in Smt. Laxmibai Radhakisan Toshniwal College Of Commerce. The objectives of the tree plantation is to enhance the tree cover on the campus and to sensitize the students towards importance and conservation of trees. The diversity of trees promote various species of flora and fauna that thrive on the campus. Trees contribute to clean the air we breathe, filter the water and help increase the water table in the region, and provide habitat to terrestrial biodiversity.

### **Flora**

A wide variety of floral species can be seen on the campus. The Smt. Laxmibai Radhakisan Toshniwal College of Commerce has taken a painstaking effort in maintaining green cover.

### **Fauna**

The green cover in the campus helps in creating favorable conditions for many living organisms. One can watch many butterflies, dragonflies, birds and mammals such as Squirrels wandering freely on the campus.

### **Green initiatives**

Smt. Laxmibai Radhakisan Toshniwal College is a premier institute in the district of Akola and is aware of the importance of educating students about the environment and special efforts are taken by the college in initiating activities that reduce its adverse impacts on the environment. Initiatives such as Tree Plantations, No Vehicle Day, Plastic Waste Free Campus, Regular Maintenance Of Electrical Gadgets, Awareness Training Workshops, and Swachata initiatives are organized by the college. Internal Green & Environment Audit Committee has recommended a few remedial measures. The college has received many awards and recognition for initiating many activities that promotes environment and wildlife protection.

### **Recommendations**

Few recommendations are given by Internal Green & Environment Audit Committee. The recommendations made by the committee will improve the environment and will make a positive impact on the environment performance of the college.



### Bio-diversity in campus : Flora

Exhaustive list of floral species found in the campus are presented in following table.

English Name	Marathi Name	Botanical Name	
Golden Duranda	मेंदी	<i>Duranta repens</i>	Shrub
Rose	मेंदी	<i>Rosa Sp.</i>	Shrub
Lemon Grass	गवती चहा	<i>Cymbopogon citratus</i>	Shrub
Barleria	काटे कोरांटी	<i>Barleria prionitis</i>	Shrub
False Ashoka	अशोक	<i>Polyalthia longifolia</i>	Tree
Drum Stick Tree	शेवगा	<i>Moringa Olifera</i>	Tree
Palm Tree	पाम	<i>Arecaceae Sp.</i>	Tree
Lily	लिली	<i>Lilium Sp.</i>	Shrub
Pranjipani	पारीजात	<i>Nyctanthes arbor-tristis</i>	Shrub
Mango	आंबा	<i>Mangifera indica</i>	Tree
Neem Tree	कडूलिंब	<i>Azadiracta indica</i>	Tree
Jasmin	मोगरा	<i>Jasminum officinale</i>	Herb
Canna	करदळ	<i>Canna indica</i>	Shrub
Banana Tree	केळी	<i>Musa acuminata</i>	Tree
Yellow trumpet flower ---		<i>Ticoma stans</i>	Tree
Korean Arbor	थुजा	<i>Thuja koraiensis</i>	Tree
Bougainvillea	बोगनवेल	<i>Bougainvillea spectabilis</i>	Shrub
Croton	क्रोटॉन	<i>Codiaeum variegatum</i>	Herb
Jasmin sp	जुई	<i>Jasminum auriculatum</i>	Vine
Indian Fig	औदुंबर	<i>Ficus glomerata</i>	Tree
Sodom Apple	रुई	<i>Calotropis procera</i>	Shrub
Cassia	मोठी तरवड	<i>Cassia glauca</i>	Tree
Peacock Flower	शंकासूर	<i>Caesalpinia pulcherrima</i>	Tree
Indian Almond	गोड बदाम	<i>Terminalia catappa</i>	Tree
Sugar Apple	सिताफळ	<i>Annona quamosa</i>	Tree
Hibiscus	जास्वंद	<i>Hibiscus rosa-sinensis</i>	Tree
Chinese Chaste Tree	निरगुडी	<i>Vitex negundo</i>	Shrub
Crape Jasmine	तगर	<i>Tabernaemontana divaricata</i>	
Aloe Vera	अॅलोव्हेरा	<i>Aloe barbadensis miller</i>	Shrub
Bullet Wood Tree	बकूळ	<i>Mimusops elengi</i>	Tree



### Bio-diversity in campus : Flora

Exhaustive list of floral species found in the campus are presented in following table.

English Name	Marathi Name	Botanical Name	
Basil	तुळस	<i>Ocimum sanctum</i>	Tree
Periwinkle	सदाफुली	<i>Vinca rosea</i>	Shrub
Whistling Pine	सरु	<i>Casuarina equisetifolia</i>	Tree
Narium	कण्हेर	<i>Narium oliender</i>	Tree
D. Mahatma	महात्मा	<i>Cordyline Terminalis</i>	Shrub
Golden Pothos	---	<i>Epipremnum aureum</i>	Vine
Royal Poinciana	गुलमोहोर	<i>Delonix regia</i>	Tree
Copperpod	करंज	<i>Pongamia pinnata</i>	Tree
Banyan Tree	वड	<i>Ficus benghalensis</i>	Tree
Pomegranate	डाळिंब	<i>Punica grandiflora</i>	Tree
Indian Cork Tree	आकाशनिम	<i>Milingtonia hortensis</i>	Tree



## Primary Air Quality Report

### Primary Air Quality Testing



Time/In or Out	PM 2.5	PM1	PM10	TVOC	CH2O	Humidity
CLASSROOM 10-16 AM	23	29	14	0.013	0.000	66 %
OUTDOOR 11-00 AM	17	21	10	0.182	0.000	55 %

Air Quality Grade	PM 2.5 Average Value ( $\mu\text{g}/\text{m}^3$ )
Excellent	0-35
Good	35-75
Slight Pollution	75-115
Moderate Pollution	115-150
Severe Pollution	150-250
Serious Pollution	> 500

**TVOCs:** Total Volatile Organic Compounds (TVOCs) are a group of compounds with high vapor pressure and low water solubility. In other words, these substances won't easily bind to themselves (volatile) or dissolve in water (organic). Inside your home or in an institution, volatile organic compounds are harmful, carcinogenic air pollutants that evaporate at normal indoor atmospheric conditions. TVOCs affect your sense of wellbeing. Some VOC's are even bad for health.

**CH2O:** Formaldehyde is a colorless poisonous gas synthesized by the oxidation of methanol and used as an antiseptic, disinfectant, histologic fixative, and general-purpose chemical reagent for laboratory applications. Formaldehyde is readily soluble in water and is commonly distributed as a 37% solution in water; formalin, a 10% solution of formaldehyde in water, is used as a disinfectant and to preserve biological specimens. Environmentally, formaldehyde may be found in the atmosphere, smoke from fires, automobile exhaust and cigarette smoke. Small amounts are produced during normal metabolic processes in most organisms, including humans.

**Particulate Matter** measurement with laser scattering method. Particulate matter is a mixture of liquid droplets and solid particles found in the atmosphere. The particle sizes are classified by size for the purpose of measurement, emission control, effects, and mitigation strategies. Historically, particles with diameters less than 10 microns (PM-10) have been the major concern, because they can easily pass into the lung. However more recently scientist have labeled particle sizes measuring 2.5 micron (PM-2.5) in diameter and smaller as the most damaging to human health because they penetrate and remain in the deepest passages of the lungs. Particulate matter contains toxic chemicals, some of which are known to cause cancer. They can irritate the respiratory system, accumulate in the lungs to cause silicosis, asbestosis, and aggravate conditions such as asthma and other respiratory disease. PM-10 also interferes with plant photosynthesis. The main sources of PM-10 include carbon used in industrial and domestic combustion gasoline, diesel, industrial processes, and fires, and includes dust, soot, metallic particles, cement, pollen, and organic compounds. The Indian NAAQS for PM-2.5 is  $40 \mu\text{g}/\text{m}^3$

**Humidity:** Most people find that a relative humidity between 30 to 60 percent is the most comfortable, with indoor humidity ideally between 30 to 50 percent. Low levels of humidity lead to very dry air which increases the prospect of catching airborne viruses like the flu, possibly due to both their ability to survive longer in dry cool conditions and irritated nasal passages making it easier to catch them. Eczema can be exacerbated and dry skin can also be uncomfortable. Higher humidity in the home creates an environment for two of the most common and undesirable triggers for asthma and allergy – dust mites and mold.

EXCELLENT

Name of the institute: LRT COLLEGE AKOLA  
Place: AKOLA  
Date: 09.08.  
Seal:



Smt. Laxmibai Radhakisan Toshniwal College Of Commerce join hands with vendors to protect environment by asking for eco-friendly products and services that do not add pollution on the campus and in the premises of the college. A significant step taken by the college, worth mentioning here.

*The Berar General Education Society's  
Smt. L.R.T. College of Commerce, Akola  
Academic Year (2019-20)*

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***Circular Regarding Supply of Environment & Eco Friendly  
Products***

**To Whom So Ever It May Concern**

***Dear Supplier/ Vendor,***

*As per our 'Environment Policy' we hence forth request you to supply environment and eco friendly products for our institution. Take due care that the product supplied by you do not hamper the environment and eco system in general.*

*We expect your co-operation in our mission for using environment & eco friendly products.*

*With warm regards.*

  
**Director / Co-ordinator  
I. Q. A. C.  
Smt. L. R. T. College of  
Commerce, AKOLA**

  
**Principal  
Smt. L. R. T. College of Commerce  
AKOLA**



Initiatives are undertaken by the college:

**The Berar General Education Society's  
Smt. L.R.T. College of Commerce, Akola  
Academic Year (2019-20)**

**Letter of HOD to all Teaching & Non Teaching Staff and Student**

All the Teachers, Non-teaching Staff members and students are hereby informed to follow our 'Environment Policy' of our institution in your day to day work for the conservation of our environment. Follow the given below practices while working in the institution:

- 1) Save electricity and water.
- 2) Switch off light, fans and all electrical appliances after completion of your work. Close water taps properly after use.
- 3) Take prints outs of documents if necessary or else use soft copy.
- 4) Use one sided paper for printing rough documents
- 5) Avoid use of Plastic bags in the college campus
- 6) Follow no vehicle day once in a month
- 7) Hand over the e-waste to the authorized e-waste vendor
- 8) Co-operate for maintaining the college campus green and clean.
- 9) Put waste in dustbins
- 10) Organize various programs and conduct activities for conservation of environment .

We all HOD's are following the above mentioned practices while working in the institution. Expecting the same from you in this regard.

  
Director / Co-ordinator  
I. Q. A. C.  
Smt. L. R. T. College of  
Commerce, AKOLA


  
Principal  
Smt. L. R. T. College of Commerce  
AKOLA (M.S.)


Initiatives are undertaken by the college:

**The Berar General Education Society's  
Smt. L.R.T. College of Commerce, Akola  
Academic Year (2019-20)**

**Maintenance Schedule**

<b>Sr. No.</b>	<b>Maintenance Head</b>	<b>Schedule of Maintenance</b>
1	Lights & Fans	First Monday of June and April
4	Power Plugs	First Monday of June and April
2	Air Conditioners	First Monday of June and April
3	Computers, Printers & Scanners	As and when required
5	Generator	First Monday of Alternate Month
6	Water Pumps	First Monday of Alternate Month
7	Inverter and Batteries	As and when required
8	LCD Projector	First Monday of Alternate Month
9	CCTV Cameras	First Monday of Alternate Month
10	True Copy Machine	First Monday of Every Month
11	Bio-Metric Machine	First Monday of Alternate Month
12	Ro Water Filter Machine	As and when required

  
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***Detail Plan for Provisions Regarding Green Steps to be taken by the  
Institution***

<b><i>Sr. No.</i></b>	<b><i>Green Practice</i></b>	<b><i>Amount (Rs.)</i></b>
<b><i>1</i></b>	<b><i>Solar Panel</i></b>	<b><i>5,00,000</i></b>
<b><i>2</i></b>	<b><i>Composite Pit</i></b>	<b><i>6,000</i></b>
<b><i>3</i></b>	<b><i>Printing Certificates for students and teachers participating in programs for promotion of green practices and environment conservation</i></b>	<b><i>5,000</i></b>
<b><i>4</i></b>	<b><i>Prizes for Debate and Elocution competition for promotion of green practices and environment conservation</i></b>	<b><i>3,000</i></b>
<b><i>5</i></b>	<b><i>Printing posters for displaying environment messages.</i></b>	<b><i>6,500</i></b>

  
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**Policy Document for tackling Bio-degradable and Non  
Bio-degradable Waste**


**1.) Policy for tackling Bio-degradable Waste:**

- a) Composite pit is prepared to disposing food waste and dry leaves of trees
- b) Old news-papers and scrap papers are sold to scrap vendor for re-cycling
- c) Old wooden furniture is sold to scrap vendor for re-cycling
- d) Septic tank is constructed for toilet waste
- e) Proper outlets are constructed to dispose of waste water

**2) Policy for tackling Bio-degradable Waste:**

- a) E-waste is sold to authorized e-waste vendor Mr. Lilashana Sales, Khamgaon
- b) Old apparatus is sold out to equipment vendor.

  
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***Information on emergency preparedness and response***

*For facing emergency situations due to natural calamities 'Disaster Management Training' is given to 30 NSS and NCC students every year in collaboration with Shri R.L.T. College of Science, Akola. Practical training and information is given to the students in this regard.*

  
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**Principal  
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***List of Environment Days Celebrated by the Institution***

1. 24th January : International Day of Education
2. 21st March : World Forestry Day
3. 5th June: World Environment Day
4. 1 – 7th of July: Vanamahatsav
5. 26th July : International Mangrove Day
6. 16th September: World Ozone Day
7. 2nd December: National Pollution Prevention Day
8. 14th December : National Energy Conservation Day



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**Principal  
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Initiatives are undertaken by the college:



Hon. Vice Chancellor of S.G.B. Amravati University Dr. Murlidharji Chandekar visited NSS special camp and observing "Vanrai Bandhara" constructed by NSS volunteers at adopted Village Khirpuri.



Initiatives are undertaken by the college:



NSS Volunteers Removing Grass under "Swaccha Bharat Abhiyan"





Initiatives are undertaken by the college:



**NSS Volunteers Making 'SEED BALLS' For Plantation**



### Recommendations / Analysis

Internal Green & Environment Audit Committee surveyed and scrutinized the overall environmental performance of Smt. Laxmibai Toshniwal College of Commerce, and recommendations are made as per the following:

- i) The Internal Green and Environment Audit committee recommends to compute a carbon footprint of the college. The various initiatives can be taken as per the results.
- ii) Automated sensors must be installed to prevent overflow from water tanks. Install a water meter and assign a specific person to record water consumption on the college campus.
- iii) The committee also recommends to plant diverse and native big sized trees to combat pollution in the city. Action plan for at least five years will be a thoughtful step to be taken by the college.
- iv) The Internal Green and Environment Audit Committee recommends to initiating measures that may reduce pollutants on the campus. The Primary Air Quality Testing results show a slight increase in the TVOC range which itself suggests to adding pollution barriers in between the adjacent road and the campus. The committee recommends consulting a subject specialist to bring down pollutant numbers to some extent.
- v) The Internal Green and Environment Audit Committee recommends college focus on bringing down sound pollution by putting a sound barrier in between the adjacent road and the college campus. The sound pressure levels detected inside classrooms in the college are slightly above prescribed limits. The committee recommends consulting a subject specialists and, reducing the noise coming from vehicles passing by the adjacent road.
- vi) More sensible electrical consumption approach is required at the college campus.
- vii) College should take initiative in reducing its dependance on MS&ED power distribution network and support renewable and carbon-neutral electricity generation options such as generation of electricity by solar energy.



## **Dr. APJ Abdul Kalam Environment Pledge**

1. I realize that every mature tree by photosynthesis absorbs 20 kgs of Carbon dioxide every year. By the same process, each tree lets out about 14 Kg of Oxygen every year.
2. I will plant and nurture ten trees and will ensure my parents, my sisters and, brothers plant trees and my neighbors also plant ten trees each. I will be an ambassador for a tree mission in my locality.
3. I will keep my house and its surroundings clean and use products that are bio-degradable to the extent possible.
4. I will promote a culture of environmental friendliness, through recycling and conservation of water and other recyclable materials both at home and school.
5. When I take a professional career, I will decide on organizational processes which protect the environment and preserves the biodiversity.
6. I will encourage the use of renewable energy to the maximum extent possible.
7. I will spread awareness about the need to preserve the environment in my home, in my locality, and among my student friends.
8. I will engage the water conservation, especially rainwater harvesting and, spread the message to my family and friends.

At Smt. Laxmibai Radhakisan Toshniwal College Of Commerce, Akola,  
we practice what we preach through our Environmental Pledge.

**Thank you.**