



Dr. Rafiq Zakaria College for Women

Navkhanda, Jublee Park, Aurangabad.



Criteria VII

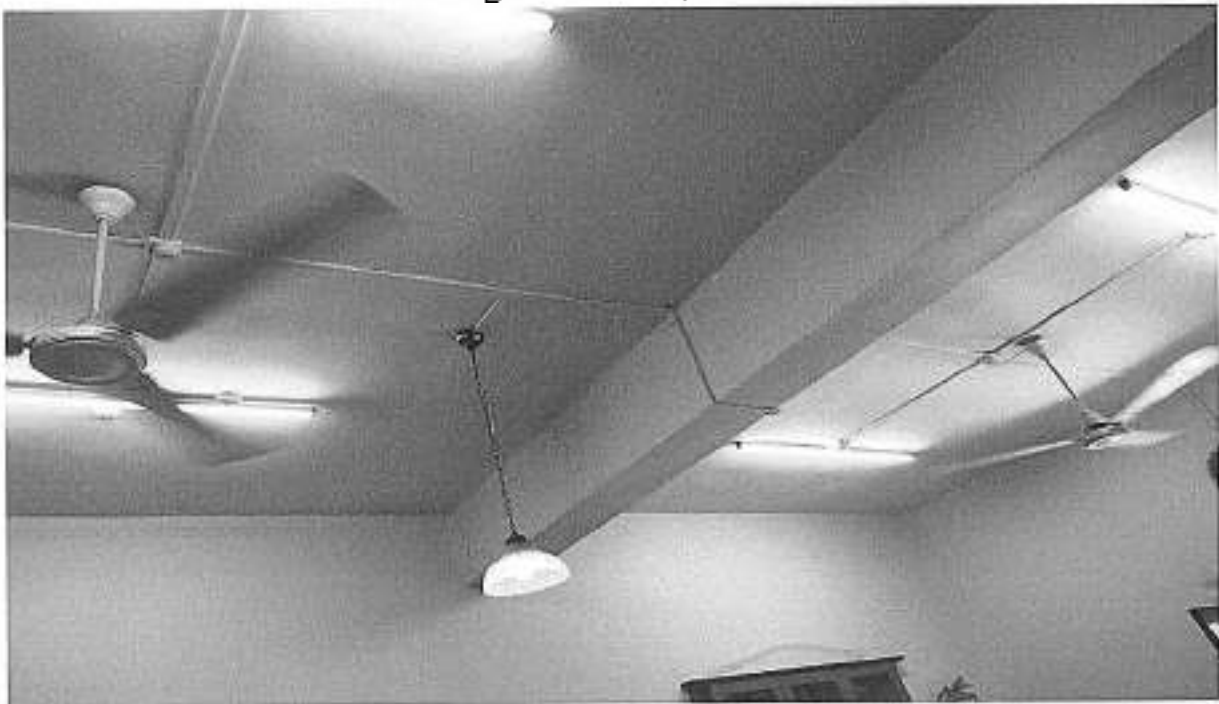
7.1.2 Alternate Source of Energy

Dr. Tanmay A. Paithankar
Co-ordinator
Internal Quality Assurance Cell
Dr. Rafiq Zakaria College For Women
Navkhanda, Jublee Park,
Aurangabad -431001.

PRINCIPAL
Dr. Rafiq Zakaria College For Women
Navkhanda, Jublee Park,
AURANGABAD. (M.S.)



LED Lights in Principal's Cabin

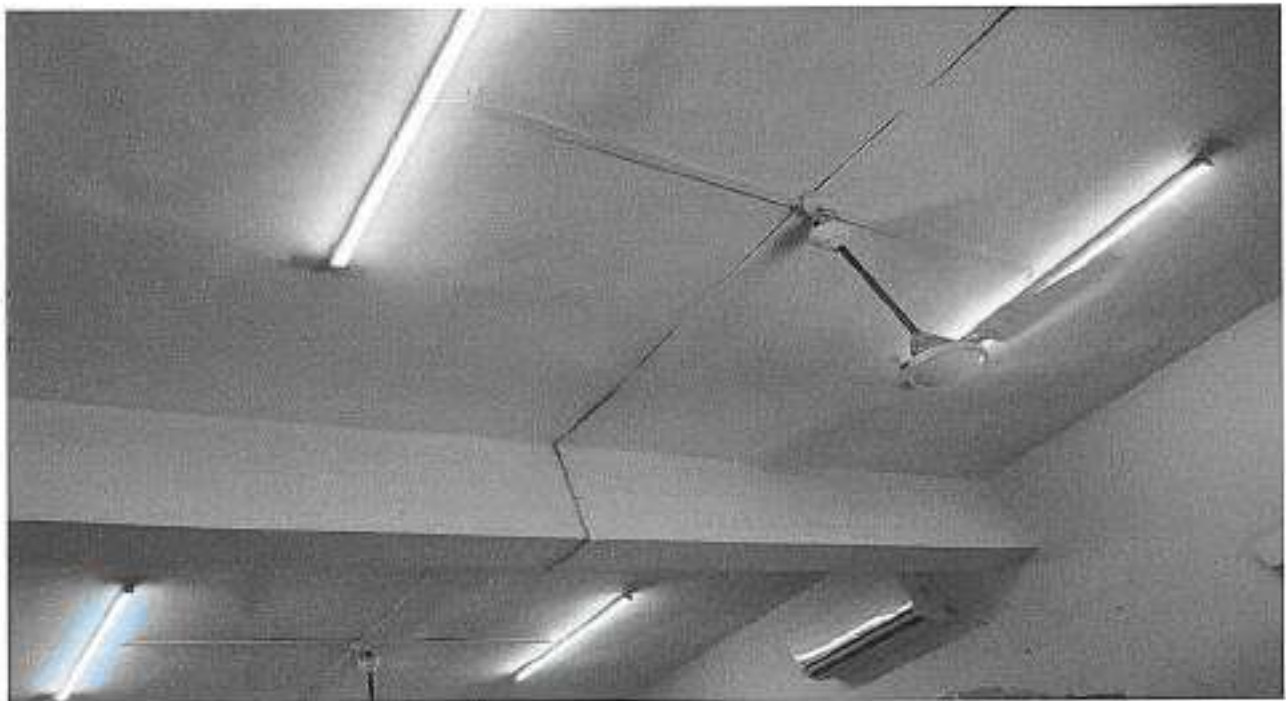



Dr. Tanmay A. Paithankar
Co-ordinator
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Dr. Rafiq Zakaria College For Women
Navkhanda, Jubilee Park,
AURANGABAD. (M.S.)



LED Tubes in Administrative Office





Dr. Tanmay A. Patil
Co-ordinator
Internal Quality Assurance Cell
Dr. Rafiq Zakaria College For Women
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PRINCIPAL
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AURANGABAD (M.S.)



Use of LED Lights in Reading Room


Dr. Tanmay A. Paithankar
Co-ordinator
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PRINCIPAL
Dr. Rafiq Zakaria College For Women,
Navkhanda, Jubilee Park,
AURANGABAD. (M.S.)

BHARAT ELECTRICALS

Sales & Service

Nizamuddin Road, Shahgunj, Aurangabad 431 001
Mob:- 9373123123, 9325283449, 9370855558

CASH / CREDIT MEMO

No.

Date :

D.C.No

Date :

3666



M/s. Dr. Rafiq Zakaria college of women

S. No	PARTICULARS	RATE	QTY.	AMOUNT
1)	Hall no - 1			
1)	P/F Projector VITA cable with capping	850	1	850
2)	P/F 2 way modlar Board with 15 amp Socket - 1 wiring & capping cable	450	1	450
2)	P/F ceiling Projector with Anchors Bolt	800	1	800
3)	Hall no - 2			
1)	Providing & Fixing Projector Paint with 12 way modlar complete Board 4 - Switch 4 Socket wiring casing capping & 2 way modlar Board 15 amp Socket - 1	900	1	900
2)	P/F Projector VITA cable with casing capping	850	1	850
2)	P/F ceiling Projector stand with Anchors Bolt	800	1	800
3)	Fitting LED Tube light	40	1	40
4)	Hall no :- 03			
1)	P/F Projector Paint with 12 way modlar complete Board 4 Switch 4 Socket wiring casing capping & 2 way modlar Board 15 amp Socket	900	1	900
TOTAL				

Amount in Words

For BHARAT ELECTRICALS

Proprietor

Dr. Tanmay A. Patilhanekar

Co-ordinator

Internal Quality Assurance Cell
Dr. Rafiq Zakaria College for Women
Navkhanda, Jubilee Park,
Aurangabad - 431001.

PRINCIPAL

Dr. Rafiq Zakaria College For Women
Navkhanda, Jubilee Park,
AURANGABAD. (M.S.)

Total

19550.00

BHARAT ELECTRICALS

Sales & Service

zamuddin Road, Shahgunj, Aurangabad 431 001
Mob:- 9373123123, 9325283449, 9370855558

CASH / CREDIT MEMO

No.
Date
D.C.M
Date




M/s. Dr. Rafiq Zakaria college of women

S. No	PARTICULARS	RATE	QTY.	AMOUNT
2)	P/F Projector VOA cable with capping capping	850	1	850
3)	P/F ceiling Projector stand with anchor Bolt	800	1	800
4)	Fitting LED Tube light	40	2	80
1)	Hall no: 4 P/F Projector Paint with 12 way module complete Board 4 switch 4 socket, wiring capping capping & 2 way module board 15 amp socket 1	900	1	900
2)	P/F Projector VOA cable with capping capping	850	1	850
3)	P/F ceiling Projector stand with anchor Bolt	800	1	800
		TOTAL		9870

Rupees in Words

For BHARAT ELECTRICALS


Proprietor


Dr. Tanmay A. Patil
Co-ordinator


PRINCIPAL

Internal Quality Assurance Cell
Dr. Rafiq Zakaria College For Women
Navkhanda, Jubilee Park,
Aurangabad - 431001.

Dr. Rafiq Zakaria College For Women
Navkhanda, Jubilee Park,
AURANGABAD. (M.S.)

Total

19350.00

BHARAT ELECTRICALS

Navkhanda, Jubilee Park,

AURANGABAD.

ARAT ELECTRICALS

Sales & Service

Samuddin Road, Shahgunj, Aurangabad 431 001
Mob: 9373123123, 9325283449, 9370855568

CASH / CREDIT MEMO

No.

Date

D.C.No.

Date



Ms. Dr. Rafiq Zakaria college of women

S. No.	PARTICULARS	RATE	QTY.	AMOUNT
1)	Fitting LED Tube light . Hall no: 06	40	2	9840
2)	Fitting LED Tube light P/F 1200mm Anchor ceiling Fan	40	1	80
3)	Hall no: 4	1550	1	40
4)	Fitting LED Tube light P/F 1200mm Anchor ceiling Fan	1550	1	1550
5)	Hall no: 11	40	1	40
6)	Fitting LED Tube light Hall no 16	1550	1	1550
7)	Fitting LED Tube light P/F 1200mm Anchor ceiling Fan	40	1	40
8)	Hall no 18	40	2	80
9)	Fitting LED Tube light P/F 1200mm Anchor ceiling Fan	1550	2	3100
10)	Lab	40	1	40
11)	Fitting 1200mm ceiling Fan	1900	2	3800
12)	Office	1350	1	1350
13)	P/F 12 inch wall Fan			
14)	chemistry lab: P/F 12 inch New exhaust Fan			
	TOTAL			23130

Rupees in Words

For BHARAT ELECTRICALS

Proprietor:

Dr. Tanmay A. Patthankar
Co-ordinator

PRINCIPAL

Internal Quality Assurance Cell
Dr. Rafiq Zakaria College For Women
Navkhanda, Jubilee Park,
Aurangabad -431001.

Dr. Rafiq Zakaria College For Women
Navkhanda, Jubilee Park,
AURANGABAD. (M.S.)

Total

19350.00

AMAR ELECTRICALS
31

ARAT ELECTRICALS

Sales & Service

Zameuddin Road, Shahgunj, Aurangabad 431 001
Mob: 9373123123, 9325283449, 9370855558

CASH / CREDIT MEMO

No.

Date

D.G.

Date

3669

23/11/23

Internal Quality Assurance Cell

For Women



Ms. Dr. Rafiq Zakaria college for Women

S No	PARTICULARS	RATE	QTY	AMOUNT
				23130
2)	P/F 1200mm anchor ceiling Fan	1550	1	1550
1)	Chemistry lab II			
	P/F 12 way modular Board with 15amp	900	4	3600
	Switch - 4, 15amp Socket 4 & 2.5sqmm	1350	2	2700
2)	Multislane wire casing capping	550	1	550
3)	P/F 12 inch New exhaust Fan			
	P/F 6 way modular Board with Switch	550	1	550
	3 dimmer 3			
	Chemistry lab 203			
1)	P/F 6 way Board with Switch 3	550	1	550
	dimmer 3			
2)	P/F 12 inch New exhaust Fan	1350	2	2700
3)	P/F 1200mm anchor ceiling Fan	1550	2	3100
	Research lab			
1)	P/F 12 inch New exhaust Fan	1350	2	2700
2)	P/F 1200mm anchor ceiling Fan	1550	2	3100
	Department of chemistry			
1)	P/F Fan Point with 1sqmm multistand	450	1	450
	wire & casing capping			
2)	P/F Tube light Point with 1sqmm multi	450	4	1800
	slane wire casing capping			
3)	P/F 6 way modular Board with 15amp	650	1	650
	switch 2 socket 2.5sqmm multistand			
	wire casing capping			
	TOTAL			

Rupees in Words

For BHARAT ELECTRICALS

Proprietor

Dr. Tanmay A. Patthankar

Co-ordinator

PRINCIPAL

Internal Quality Assurance Cell Dr. Rafiq Zakaria College For Women:

Dr. Rafiq Zakaria College For Women
Naykhanda, Jubilee Park,
Aurangabad - 431001.

Naykhanda, Jubilee Park.
AURANGABAD, M.S.

Total

19550.00

ARAT ELECTRICALS
Naykhanda, Jubilee Park,
Aurangabad - 431001.

BHARAT ELECTRICALS

Sales & Service

Muddin Road, Shahgunj, Aurangabad 431 001
Mob- 9373123123, 9325283449, 9370855558

CASH / CREDIT MEMO

No. **3679**

Date: **4/8/23**

D.C. No.

Date



To: **Dr. Rafiq Zakaria college of**

S No	PARTICULARS	RATE	QTY	AMOUNT
4)	Fitting Tube light	40	8	320
1)	Zoology lab	1550	2	3100
	P/F 1200mm Anchors ceiling Fan			500.00
2)	Fitting Tube light	40	14	560
3)	P/F 12 way modular Board with	450	2	900
	Switch - 6 Socket - 2	2300	2	4600
	vidya madam office to NAAC office			
	P/F Inverter Point with 1 sq mm			
	multistrand wire ceiling capping			
		TOTAL		56060
Dr. Tanmay A. Palthankar Co-ordinator Internal Quality Assurance Cell Dr. Rafiq Zakaria College For Women Navkhanda, Jubilee Park, Aurangabad - 431001.		PRINCIPAL Dr. Rafiq Zakaria College For Women Navkhanda, Jubilee Park, AURANGABAD. (M.S.)		
		For BHARAT ELECTRICALS Proprietor		
		Proprietor		

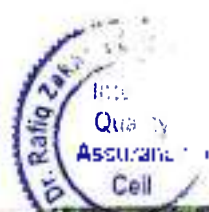
56060
1121
54939

PASSED FOR PAYMENT
56060

Total:

19337.00

ANNE ELECTRIC



Criteria VII

7.1.2 Disabled-Friendly and Barrier free Environment


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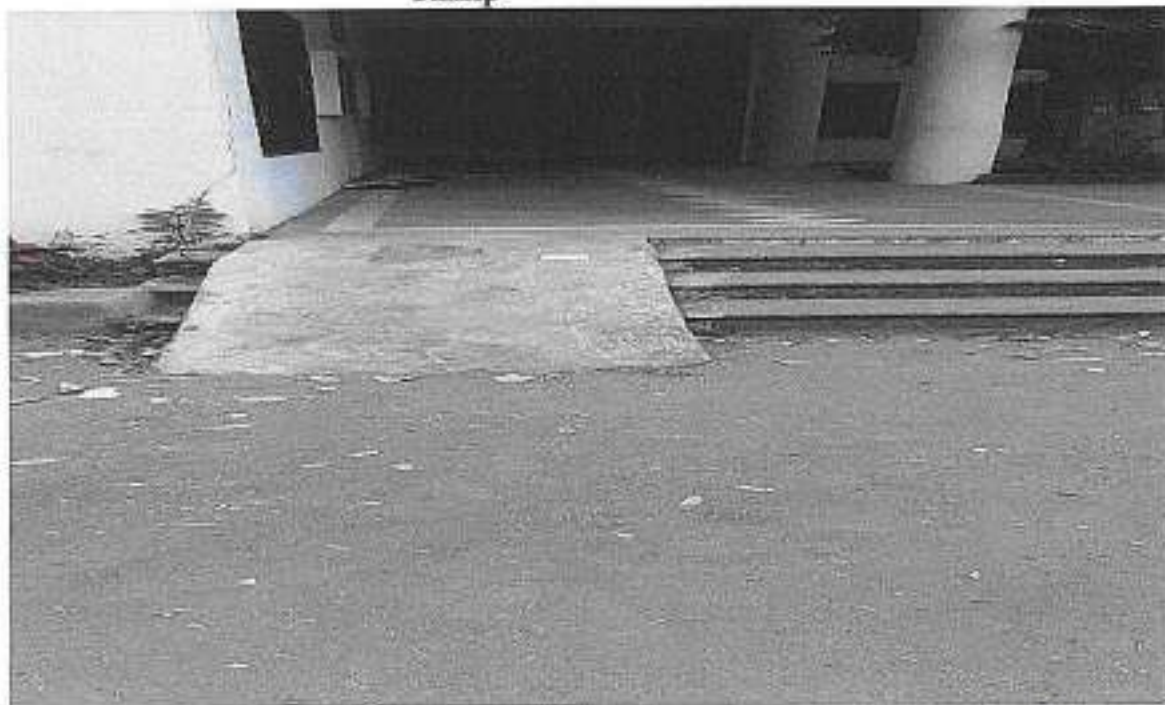
Dr. Rafiq Zakaria College for Women

Navkhanda, Jubilee Park, Aurangabad.

Facilities for Divyangjan



Ramp in front of Office



Ramp near Central Library


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Ramp to approach Canteen




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Wash room for disabled person

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Dr. Rafiq Zakaria College for Women


Navkhanda, Jubilee Park, Aurangabad.



Criteria VII

7.1.2 E-Waste Management


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Dr. Rafiq Zakaria College for Women

Navkhanda, Jublee Park, Aurangabad.

E- WASTE MANAGEMENT

Dr. Rafiq Zakaria College for Women, is having Arts and Science faculty in the campus. Practical are performed under "Micro scale experiments and high dilution, so there is slight use of chemicals and hazardous things in the college campus for practical purposes. Hazardous waste disposal is in active mode in College campus, so that college campus is free from e- waste. Electronic waste or E- Waste is describing discarded electrical or electronic devices. It contains many toxic and hazardous ingredients. Such as heavy metals like lead, cadmium, and Mercury, PCB, BFRs have the potential to cause environmental pollution and pose health hazards when processed, recycled or disposed off. Our college is working towards generating minimal e-waste by reusing it. Regular maintenance of electronic equipment and computers ensures longer life. E-waste room is provided for the collection of the e-waste generated in college campus, which is given to the authorized agency for recycling and disposal. All the miscellaneous e-waste such as CDs, non-working laboratory equipment, computers, monitors, printers, batteries, fluorescent bulbs, and electronic items are collected from every department and office and delivered for safe disposal. It is also used in practical purposes for science and Electronics departments. Useful parts of electronic gadgets like hard disk CPU Monitors, mobile phone chargers, CD drive etc. have been removed from the old computers for reuse. After suitable time, the same is handed over to the authorized hazardous waste collection.

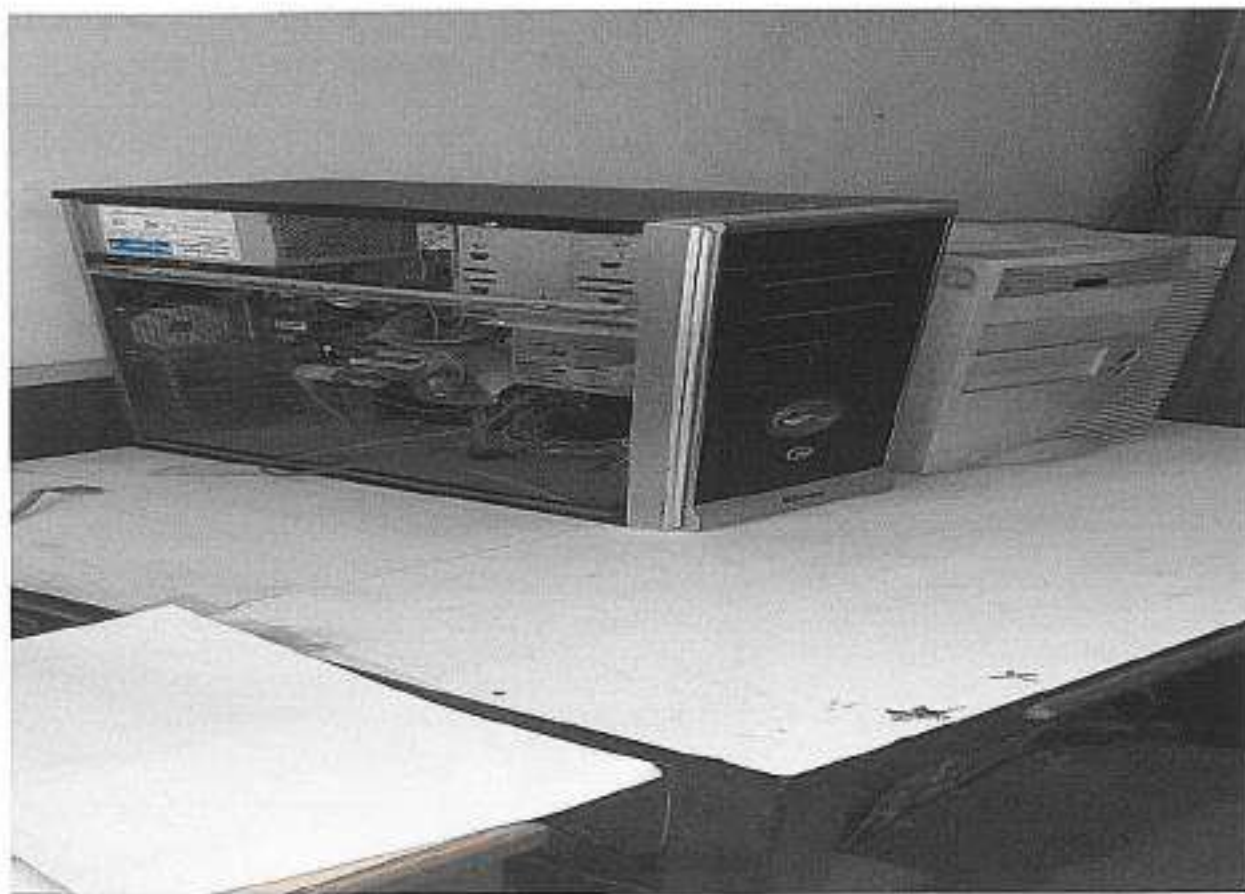

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Criteria VII

7.1.2 Green Campus Initiatives


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Dr. Rafiq Zakaria College for Women

Navkhanda, Jublee Park, Aurangabad.



Arial View of the College Building

Dr. Rafiq Zakaria a renowned Islamic Scholar of International Repute, a name to conjure within the intellectual circles of India and abroad the then minister in the State Cabinet, founded the Maulana Azad College of Arts Science & Commerce in the historic campus of Rauza Raugh; Aurangabad in 1963. The year was milestone in the history of Higher Education in the backward Region of Marathwada. Dr. Rafiq Zakaria being the founder president of the Maulana Azad Education Society has been particularly responsible for the phenomenal growth of the Maulana Azad College campus as well as Marathwada Region by introducing quite new courses in Higher Education, which are a departure from the traditional ones.


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AURANGABAD. (M.S.)



His vision has borne rich fruits. The year 1968 was yet another landmark in the educational environment of Aurangabad City. It witnessed the establishment of a Ladies Section of the Maulana Azad College, in a rental building in the City Chowk area with 35 Students on its rolls. The need for a separate Ladies Section was keenly felt by a section of Society, and people were not ready to send girls to Azad college as it was far away from the main city. Keeping this in view the genuine demand of the establishment of a separate section for women in Arts faculty was justified. In 1975 the Ladies section was housed in a beautiful surrounding of the Nizam's Palace called Navkhanda Palace with strength of 100 students. It is free from noise pollution and ideal for a women college. In 1990 Ladies Section of Maulana Azad College was bifurcated and an independent college named Aurangabad College for Women came into being under the aegis Maulana Azad Education Society. Later after the sad demise of Dr. Rafiq Zakaria Sahab the college was renamed after its founder as Dr. Rafiq Zakaria College For Women.




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Dr. Yashraj A. Patil
Co-ordinator
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PRINCIPAL
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Navkhanda, Jubilee Park,



Mrs. Najmuscher (Jan ShikshanSanstha) demo on Paper Bag Making

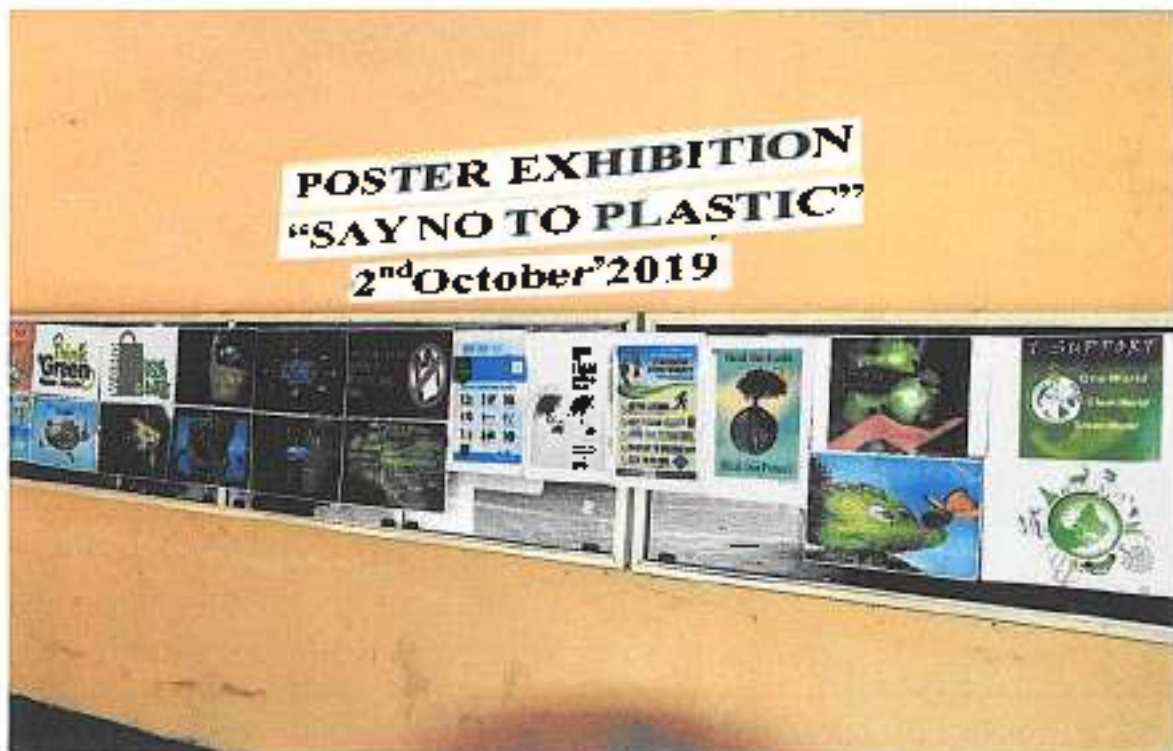




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 AURANGABAD. (M.S.)



Paper Bag Making: Say No To Plastic




Dr. Tanmay A. Patil
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Nawkhanda, Jubilee Park.



Dr. Rafiq Zakaria College for Women

Navkhanda, Jubilee Park, Aurangabad.



Criteria VII

7.1.2 Green Policy

Dr. Tanmay A. Paithankar
Co-ordinator
Internal Quality Assurance Cell
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Navkhanda, Jubilee Park,
AURANGABAD, (M.S.)



Dr. Rafiq Zakaria College for Women

Navkhanda, Jublee Park, Aurangabad.

Policy for Energy Conservation and Environment Consciousness

Introduction: Dr. Rafiq Zakaria a renowned Islamic Scholar of International Repute, a name to conjure within the intellectual circles of India and abroad the then minister in the State Cabinet, founded the Maulana Azad College of Arts Science & Commerce in the historic campus of Kauza Baugh, Aurangabad in 1963. The year was milestone in the history of Higher Education in the backward Region of Marathwada. Dr. Rafiq Zakaria being the founder president of the Maulana Azad Education Society has been particularly responsible for the phenomenal growth of the Maulana Azad College campus as well as Marathwada Region by introducing quite new courses in Higher Education, which are a departure from the traditional ones. His vision has borne rich fruits. The year 1968 was yet another landmark in the educational environment of Aurangabad City. It witnessed the establishment of a Ladies Section of the Maulana Azad College, in a rental building in the City Chowk area with 35 Students on its rolls. The need for a separate Ladies Section was keenly felt by a section of Society, and people were not ready to send girls to Azad college as it was far away from the main city. Keeping this in view the genuine demand of the establishment of a separate section for women in Arts faculty was justified. In 1975 the Ladies section was housed in a beautiful surrounding of the Nizam's Palace called Navkhanda Palace with strength of 100 students. It is free from noise pollution and ideal for a women college. In 1990 Ladies Section of Maulana Azad College was bifurcated and an independent college named Aurangabad College for Women came into being under the aegis Maulana Azad Education Society. Later after the sad demise of Dr.


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PRINCIPAL
Dr. Rafiq Zakaria College For Women
Navkhanda, Jubilee Park,
AURANGABAD. (M.S.)



Rafiq Zakaria Sahab the college was renamed after its founder as Dr. Rafiq Zakaria College For Women.

It is pertinent to highlight the academic programmers of the college particularly suited to Women students. It was felt that the Arts faculty alone would not do. Therefore, Science Stream was introduced at +2 level and 3+level. Today the most suitable subjects for women students are available. Home Science was introduced at B.A. level of 1993. The B.Sc. course has quite new subjects. Apart from the traditional subjects the subjects like Analytical Chemistry and Computer Science at B.Sc. level were also introduced. BCS programme is also functioning successfully in the campus. In 2005 M.Sc. Chemistry was introduced and later M.A.Urdu and M.A.English were also introduced. This year we got 3 Research Centers from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, in English, Zoology, Botany, Research Centers in Urdu and Chemistry were functioning since last two years. Dr. Yashwantrao Chavan Open University, Nasik, Study Centre has also been sanctioned to our college. Under Kaushalya Vikas Kendra Scheme Paper Bag Making has also been started for needy girls. All results are also excellent in Arts, Science and Computer Science discipline. Our students have also excelled in sports activities bringing Gold and Bronze medals in various sports. We believe that educating a girl is educating a family. Women being backbone of our society need to be educated to accelerate that pace of modernization and socio-economic growth to enable us eradicate superstitions, ignorance, exploitation and create scientific temper. We proudly mention that our sincere efforts and commitment to profession yielded encouraging results and paved the way to achieve highest pedestals in the sphere of academics in the years to come.


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ENVIRONMENTAL POLICY OF THE COLLEGE:

Dr. Rafiq Zakaria College for Women, Navkhanda, Aurangabad is a quality-conscious college. It protects its own environment by maintaining it green with the help of about 80 large and many smaller plants in campus. Our staff and students always try to keep the campus pollution free in all possible ways.

The management, administration and the students of the college look after the environment carefully. Every year, during rainy season, we perform tree-plantation and carefully look after the planted trees. As a result, now we have about 80 trees in our campus. Besides, we are having eco-friendly units like rain-water-harvesting units, etc.

We have our own environmental policy that includes-

- To comply with all requisite environmental legislations and government guidelines, wherever applicable.
- To ensure that there is optimum utilization of resources and waste generation is minimized.
- To integrate environmental concerns in decision-making, e.g. purchasing policy, teaching-learning process, communications, etc.
- To implement an environment management system.
- To strive towards continual reduction in ecological footprint of the college as it grows.
- Education and training of students, staff and society in environmental issues and the environmental effects of their activities.
- **Monitoring progress and reviewing environmental performance** against targets and objectives on a regular basis.
- To maintain the campus pollution-free by all possible ways like maximal use of green-energy like solar energy, wind-mill energy, natural light, etc.

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CONSTITUTION FOR GREEN AUDIT:

The Green Audit Committee will act as per the environmental policy and shoulder the responsibility for maintaining and protecting the environment in and around the college with the help of students, staff and society. It will work in various fields like-

- ❖ Waste Management
- ❖ Soil Management
- ❖ Water management
- ❖ E-waste management
- ❖ Bio-diversity and threatened species preservations
- ❖ Energy use and conservation
- ❖ Eco-friendly techniques
- ❖ Noise Pollution
- ❖ Air Pollution
- ❖ Paper less & Plastic less operating procedure
- ❖ Green area management and clean campus
- ❖ Fire safety

Conducting systematic study for carbon emission - Collecting statistical data.

❖ Methodology: -

- ❖ 1. Girth and height of plants was calculated by using meter scale.
- ❖ 2. Generally trees having 72.5% average dry matter and 27.5% moisture content hence a fresh weight of plants was calculated by using the formula as $W=0.25D^2H$ (Where, D = diameter / girth of plant and H = height of plant)
- ❖ 3. Dry weight of plants was calculated using the formula as dry weight = wet weight X 72.5%.


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- ❖ 4. Total tree volume contains 50% average carbon-content. Thus, amount of the carbon in trees was measured by multiplying dry weight by 50%.
- ❖ 5. CO₂ sequestered by trees was calculated by multiplying weight of carbon in trees by ratio of C in CO₂ i.e. 3.66.

Plantation programme throughout the year:

- ❖ College arranges plantation programme through NSS unit, Students & staff not only in college campus but in various villages of Aurangabad Tehsil like Daulatabad, Rasoolpura, Googapir, Kazipur etc. which are adopted by our college for the sake of environment awareness. College has planted and maintained large number of plants through NSS unit.

Establishment of oxygen park, plantation of oxyrich plants

- ❖ Our college has a beautiful green campus. We have skillfully planted the plants so as to have oxygen and make the campus fresh full of oxygen. The greenery has remained useful in developing Oxygen Park in our college.
- ❖ One 'Oxygen Park' has been established in the Botanical garden of college in the year 2017-18. It is established in the area of 1000 sq ft. in which holy basil (Tulsi) has been planted.
- ❖ College is also maintaining about 100 oxy-rich potted plants like *Croton*, *Runner Palm*, *Aloe vera*, *Diphenbekia*, *Sensevieria*, *Costus* (Insulin plant), *Chlorophytum*, etc.

Waste management:

Chemicals and e-waste

College has a facility of ETP plant for effluent from Chemistry, Botany, Zoology, department.

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e-waste -

- E-Waste materials are kept in a separate store-room with a dead stock register.
- All the departments are instructed to submit the information of the damaged or outdated computers, CDs and other e-equipment.
- This e-waste equipments sent to the college central store.
- Sorting of e-waste is done by central store.
- These e-equipment are sold out by means of a tendering process.

Soil /Water Pollution Management

- Implementation of water management and recycling program with full efficiency.
- Monitoring system for consumption of water can be installed at every node.
- Rain water harvesting mechanism has to be implemented at large scale.
- Establishment of separate Plastic Dumping yard in college.

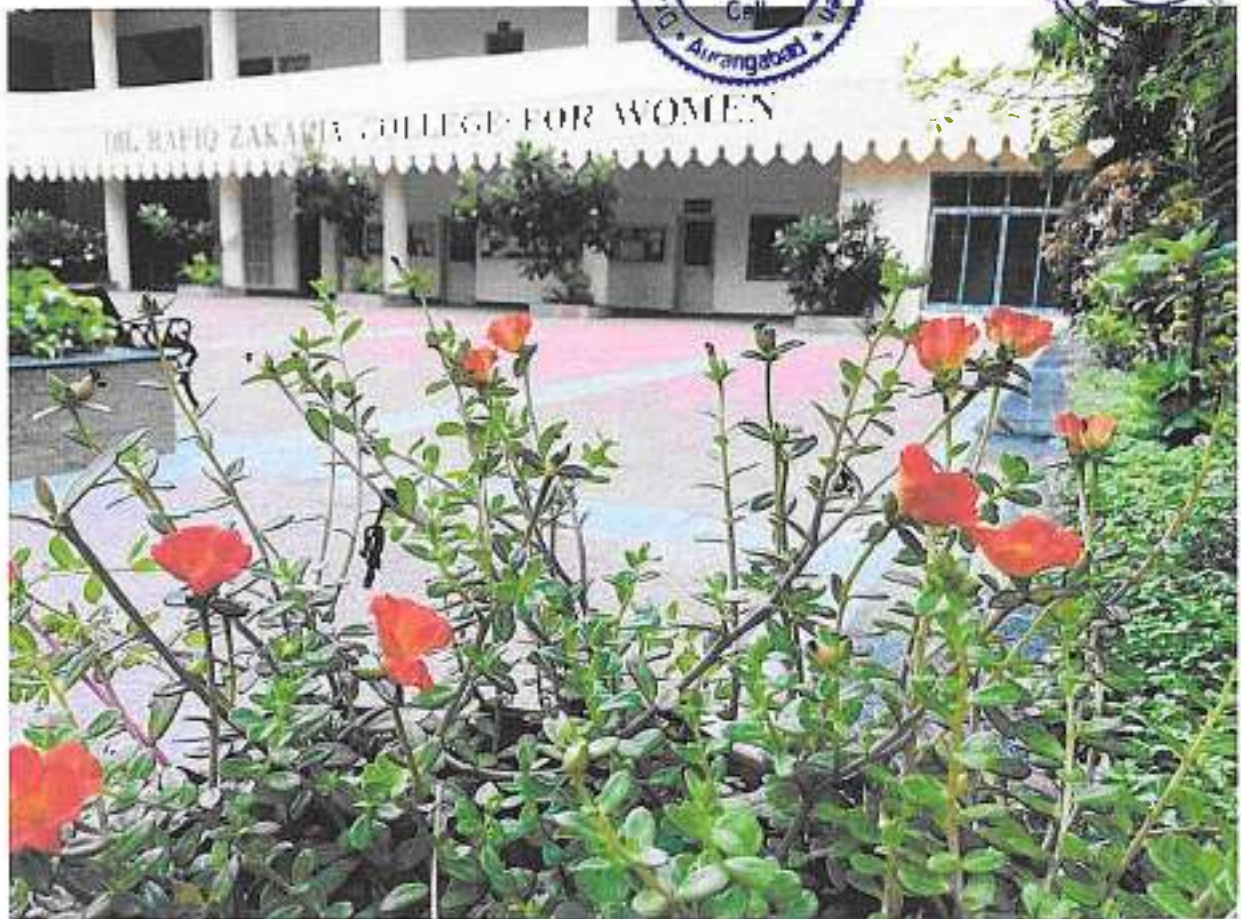
Waste management

- Priority will be given to eco-friendly brands followed by those that are recyclable or made from recycled material for purchases.
- Use of paper cups will be discouraged and people will be motivated to use their own mugs/cups instead of paper cups.
- On-campus use of plastic bags will be discouraged.
- Paper usage will be minimized in various ways. Double-sided printing option can be used at all terminals with access to printers.
- Communication will be encouraged through social media like whatsapp to minimize the paper use.
- Waste segregation will be carried out strictly; organic waste will be composted in-house (biological treatment has proposed for biodegradable waste) in future and the manure will be used for the gardens in the campus.
- E-waste management program can be implemented more effectively by various practices like e-paper office, use of ICT, single window system, etc.
- Dust-bins will be kept in each class-room.


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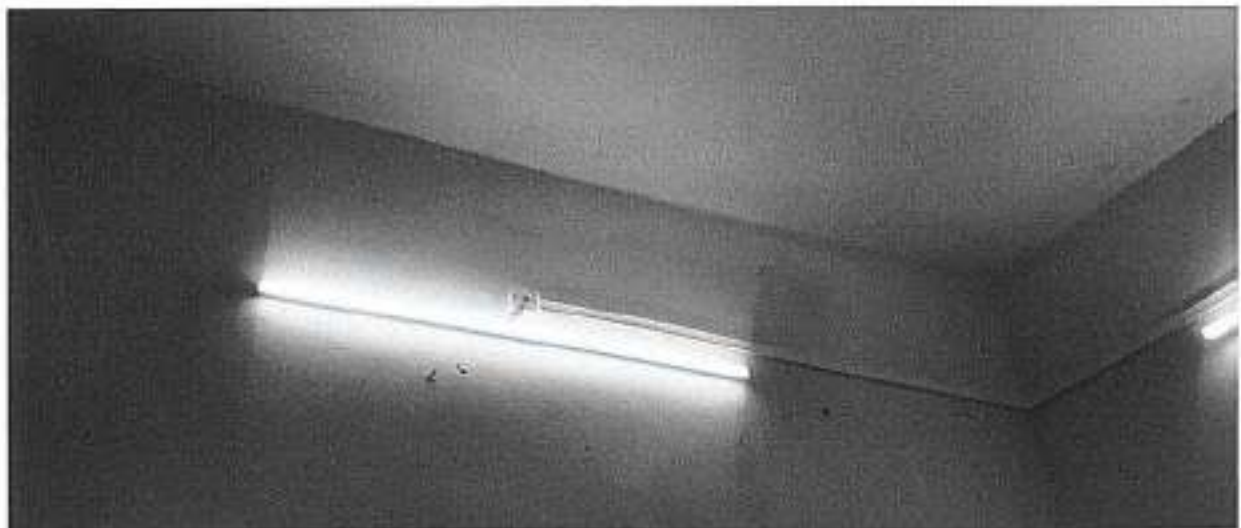
7.1.2 Power Efficient Equipment

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Use of LED lights throughout college campus




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Use of power efficient equipment

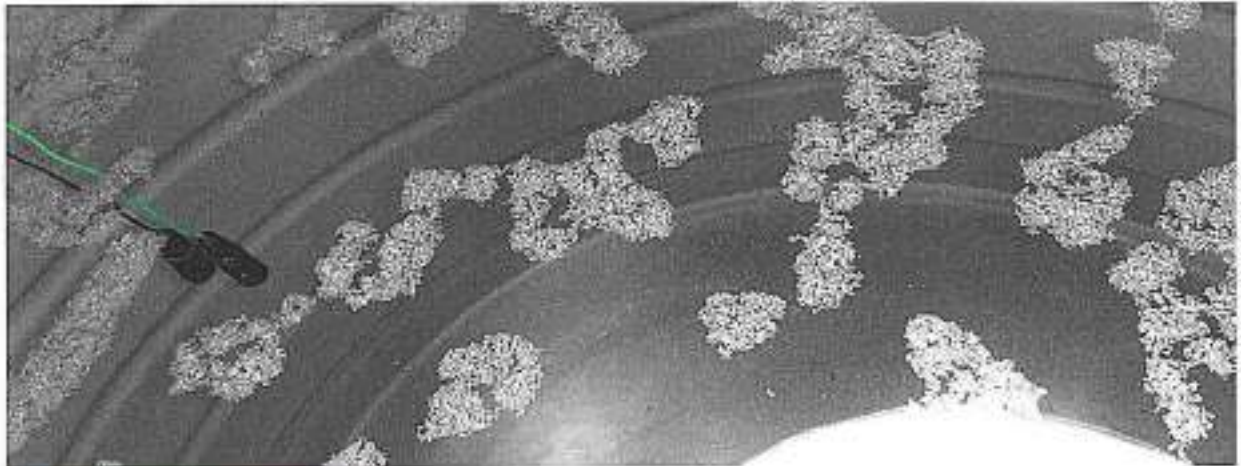
Power saving appliances essential to help you save money and energy, protect the environment and enhance your lifestyle. Energy saving is energy creating. Energy is limited and in fixed quantity. We have to invent new ways of reliable, systematic, everlasting ways of energy creation. But whenever there is not reliable source available we have to save the traditional energy at most quantity. Using power saving equipment is the crying need of today. LED bulbs and led tubes, power saving fans, five star rated AC, freeze and other equipment are now available in market that saves energy in maximum percentage. LEDs use so much less electricity than incandescent lighting is that they don't produce light in the same way. This process doesn't use a filament and creates little heat, instead relying on a property of semiconductors to generate light. LED lights are up to 80% more efficient than traditional lighting such as fluorescent and incandescent lights. 95% of the energy in LEDs is converted into light and only 5% is wasted as heat. Less energy use reduces the demand from power plants and decreases greenhouse gas emissions. LED tubes are much more efficient on your energy costs as well as your carbon foot print on the environment. There's nothing more sustainable than Energy. LED lamps last much longer, and are more efficient than luminous lamps. Unlike luminous lamps, most LED lamps do not need to warm up" before they emit the full quantity of light in our everyday life. By replacing 40 watt florescent tubes by 9 watt LED tube or 14 watt T-Bulb we can save approximately Rs.800 per year. LED lighting fixtures are more beneficial for savingenergy and to conserving the environment. These lighting solutions help a lot in maintaining campus security, providing better quality light, improving student safety and giving facility manages a sense of peace that comes with purchasing long-lasting products. Led light bulbs last much longer and consume far less energy. The highefficiency and directional nature of LEDs makes them ideal for many uses. Our attempt is to use LED bulbs and tubes in street lights, parking garage lighting, pathway and other outdoor area lighting. Natural light is the best and most important light to incorporate in the classroom.Natural sunlight provides physical and physiological benefits to both students and teachers alike.


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The truth is that LED lights are directional, which means that they are excellent for use as reading lights. We do Energy audit for understanding the loopholes and to take steps towards purification in the system. All the traditional system appliances are removed by energy saving equipment. Our plan is to turn towards sensor based energy conversation appliances.



Sensor Based Electric Pump


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Criteria VII

7.1.2 Management of Various types of Degradable and Non-Degradable Waste

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Solid & Liquid Waste Management

Solid waste generation and its management is a flaming problem in the all over world. Rate of generation of solid waste is very high and however, we do not have satisfactory technology to manage the generated waste. Solid waste refers to all non-liquid waste. Solid waste can create significant health problems and a very unpleasant living environment if not disposed of safely and appropriately. Thus, it is essential to manage the solid waste appropriately to reduce the load on waste management system. Students and faculty regularly advised to reduce waste at lower extent. The solid waste is regularly collected by the garbage municipal corporation.

The College has constituted a green audit committee for it. The committee sets out to identify the types of waste, category of waste, how to collect handle and dispose. Primarily dry waste is collected in dust bins kept in the corners of college.

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E- WASTE MANAGEMENT

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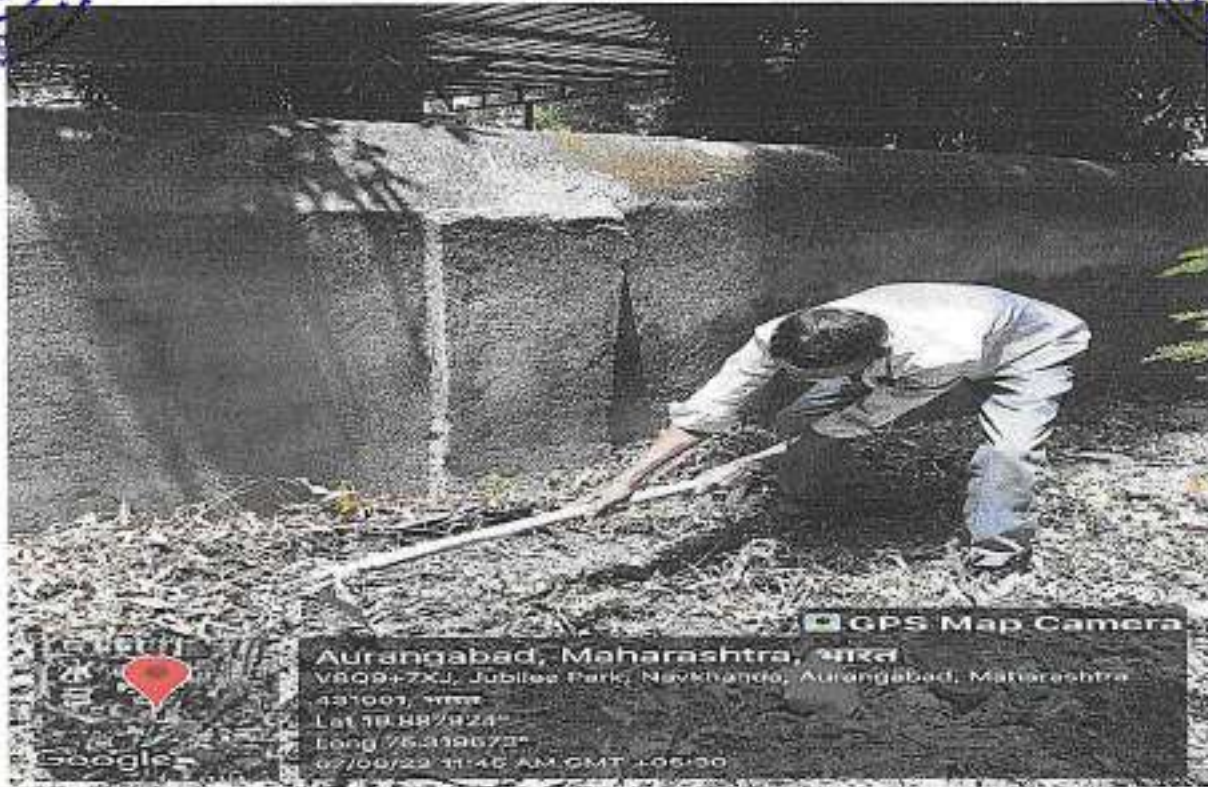
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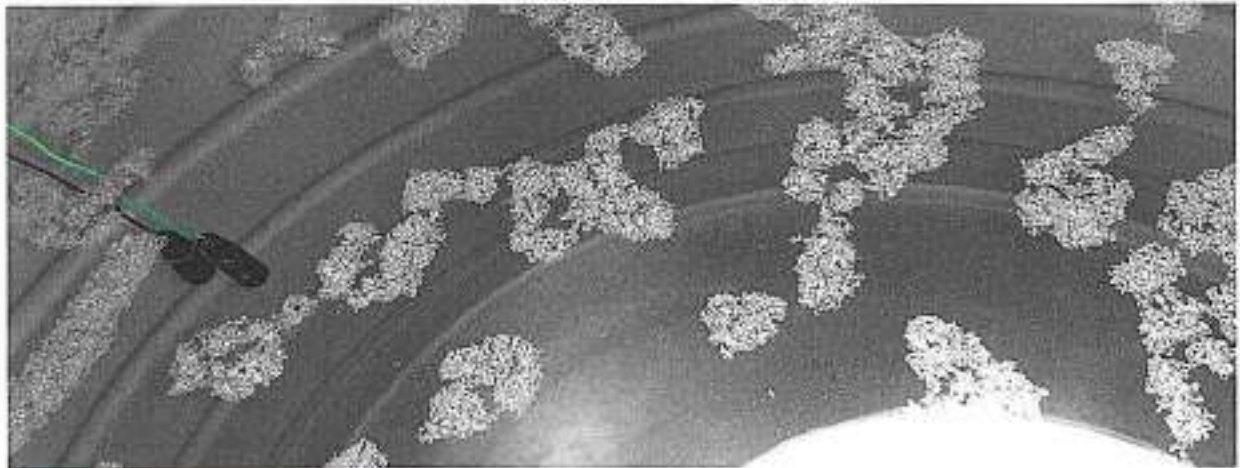



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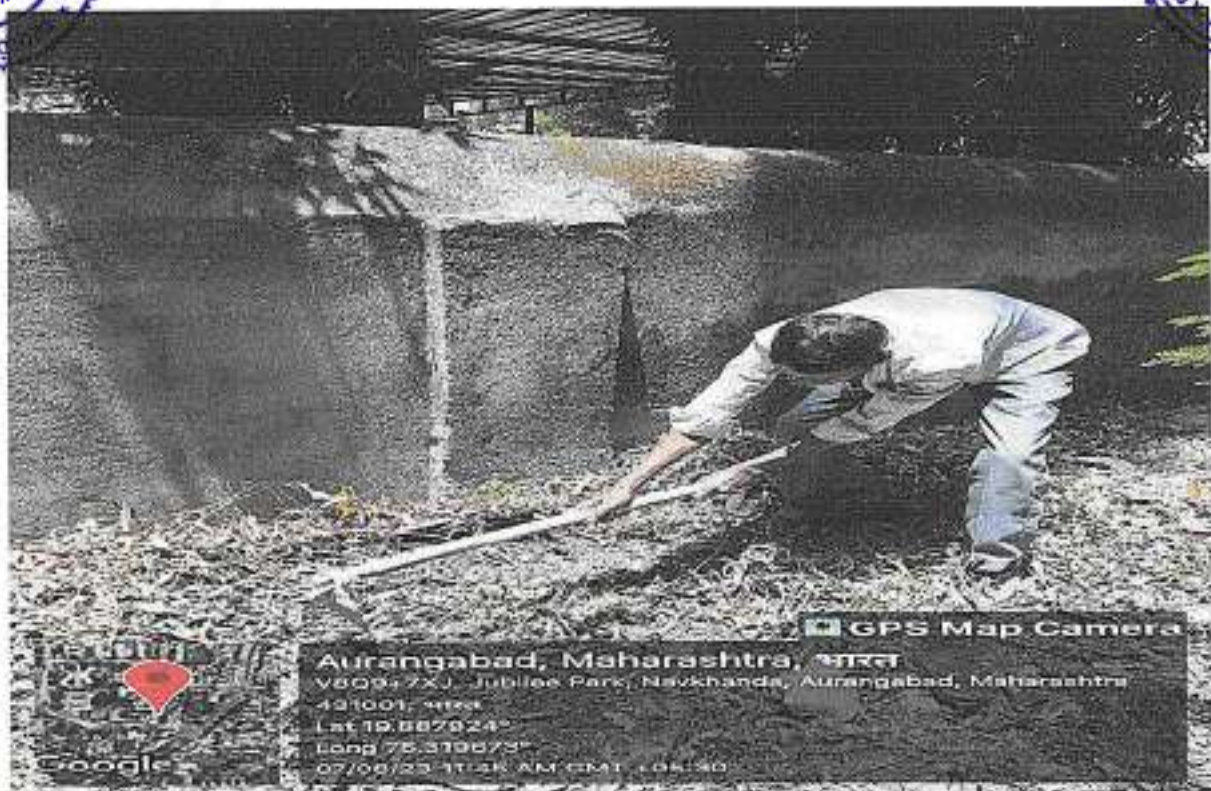
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Criteria VII

7.1.2 Rain water Harvesting


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Water Conservation

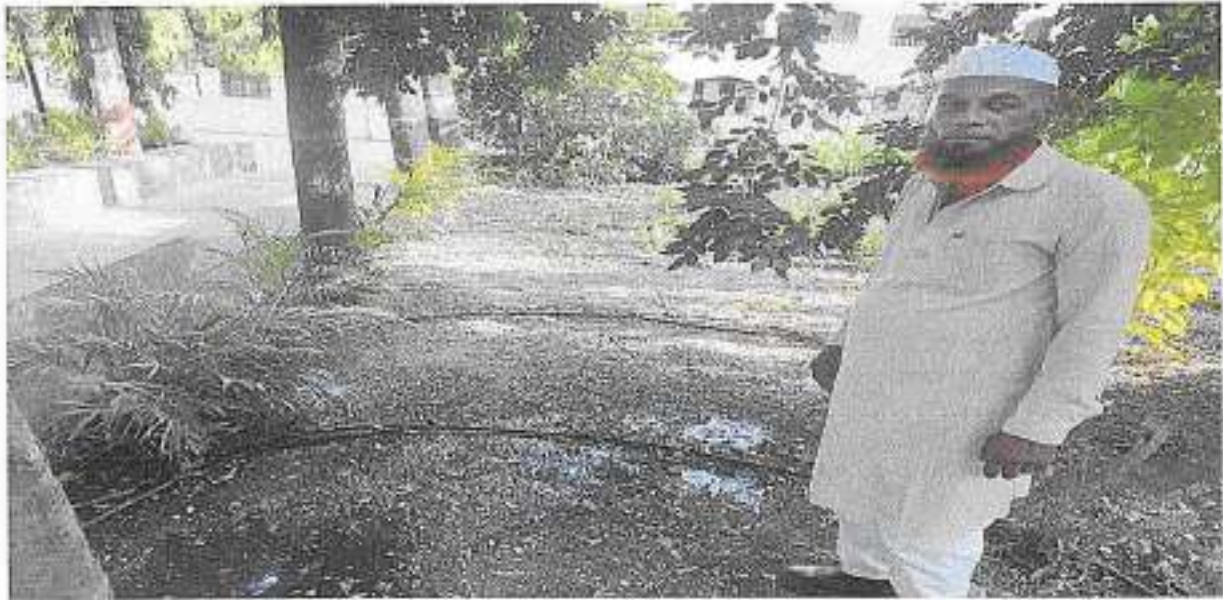
Water is the Elixir of life. All living things do not survive without water. This element resource available is with fixed quantum. The availability of water is decreasing due to increasing population of nation, as per capita availability of utilizable water is going down. Due to ever rising standard of living people, Industrialization, urbanization, demand of fresh water is increasing day by day. The unabated discharge of Industrial effluent in the available water bodies is reducing the quality of these ample sources of water continuously. Hence, the national mission on water conservation was declared by the then Prime Minister Hon. Manmohan Singh in 2003 and appealed to all citizens to collectively address the problem of water shortage, by conserving every drop of water and suggested for conducting water audit for all sectors of water use. We do water plans for identifying ways of conserving water by determining any inefficiencies in the system of water distribution. The measurement of water losses due to different uses in the system or any utility is essential to implement water conservation measures in such an establishment. It is observed that a number of factors like climate, culture, food habits, work and working conditions, level and type of development, and physiology determine the requirement of water. Water usage can be defined as water used for all activities which are carried out on campus from different water sources. This includes usage in all residence room, academic buildings, on campus and on grounds. Wastewater is referred as the water which is transported off the campus. The wastewater includes sewerage, residence hall waters used in cooking, showering, clothes washing as well as waste water from chemical and biological



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laboratories which ultimately going down in sink or drainage system. We have implemented different water saving systems in campus; some of them are rain water harvesting, drip irrigation, taps instead of flush clean system, reuse of potable water to plants etc.




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Drip Irrigation system for saving water




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Criteria VII

7.1.2 Vermicomposting Report


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Dept. of Zoology

Vermicomposting report

About Activity:

Department of zoology has taken initiatives towards social responsibilities enhancing quality of soil which is socially acceptable and eco-friendly technique for management of organic waste, vermi-composting help in improving farm productivity. This department runs vermi-composting project. This activity is done solely by the students and teachers of department of zoology.


Vermi-composting or worm composting is the simple technology for converting biodegradable waste into organic manure with help of earthworms. Earthworms are valued by farmers because, in addition to aerating the soil, digest organic matter and produce casting that are a valuable source of humus.


Objectives:

- To create awareness about healthy soil structure.
- To promote organic manure for garden plants.
- To increase plant growth and yield.
- To reduce chemical fertilizers and pesticides.


Benefits:

- Vermi-composting acts as bio-fertilizers, restores soil nutrients soil, stabilizes and enhances soil fertility at a long term.
- Vermi-composting is a profitable project.

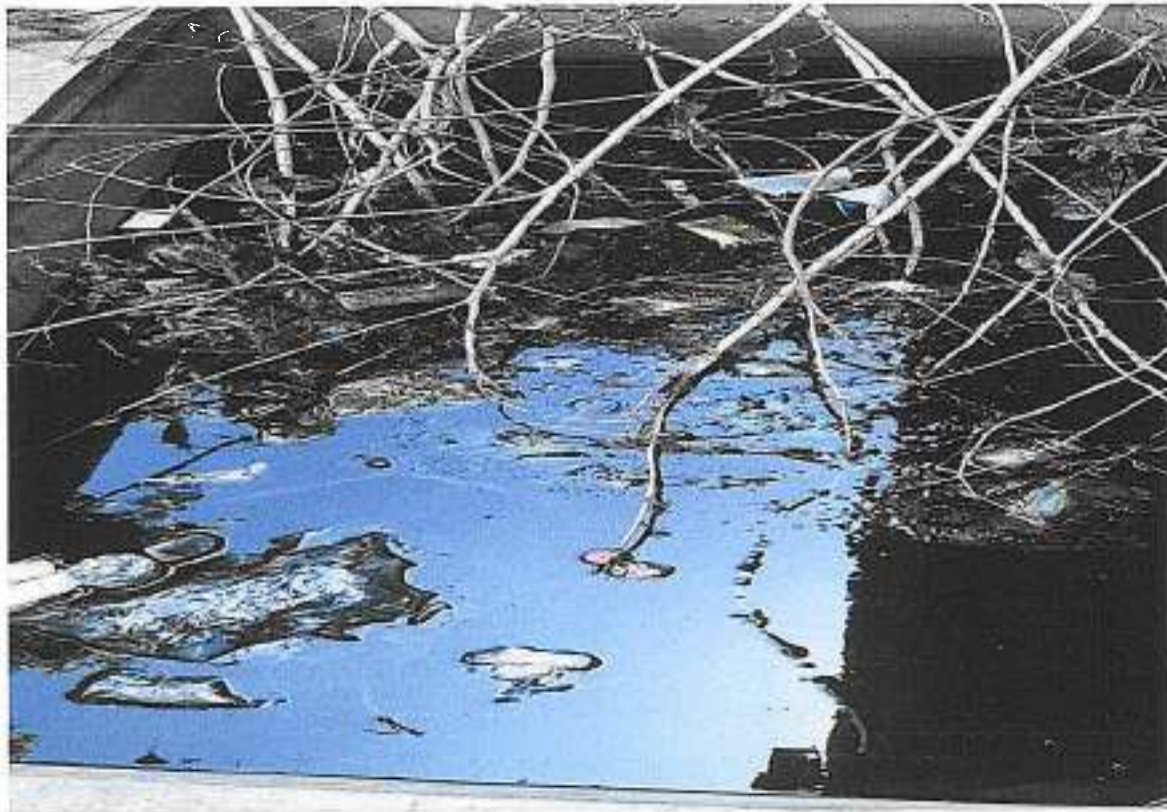

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