



AMITY UNIVERSITY
MADHYA PRADESH

GREEN AUDIT REPORT (2023-2024)



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Acknowledgement

Green Audit Assessment Team thanks the Hon'ble Pro Chancellor Amity University Madhya Pradesh for assigning this important work of Environment Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to:

- ❖ Vice Chancellor, AUMP
- ❖ Pro Vice Chancellor, AUMP
- ❖ Registrar AUMP
- ❖ Director Administration, AUMP

For giving us the necessary guidance and inputs to carry out this very important exercise of Green Audit.

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Preface

Concern about environmental degradation and realization of values of the environment are logical consequences of scholarly research, teaching and learning process. In its pursuit for improving environmental quality and maintaining a pristine environment for the future generation of students, Amity University Madhya Pradesh, Gwalior has made a self-inquiry on environmental quality of the campus with the following main objectives:

- ❖ The purpose of the report is to make sure that the practices followed in the campus are healthy and environment friendly.
- ❖ The specific objectives of the audit are to evaluate the compliance with the applicable regulations, policies and standards to ensure that the development of the campus foster to the concept of environmental sustainability and green campus.

Introduction

Green report can be defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity. The report aims to analyse environmental practices within and outside the university campus, which will have an impact on the eco-friendly ambience. It was initiated with the motive of inspecting the work conducted within the organizations whose exercises can cause risks to the health of inhabitants and the environment. Through Green Report, one gets direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Report.

About the University

Amity University Madhya Pradesh was established by Ritnand Balved Education Foundation (RBEF) vide Madhya Pradesh Government Legislature Act of 2010 with the view to promote professional, industry-oriented education in the state of Madhya Pradesh. Amity University Madhya Pradesh, Gwalior located on a sprawling campus of 102 acres of land opposite Gwalior Airport, imparts modern, practical and research-oriented courses which will lead to the development of professionals who are employable and industry ready. This in turn will drive the socio-economic upliftment of the region. Amity imparts education in almost all areas including management, engineering, architecture, biotechnology, law, communication, behavioral science, fine arts, fashion etc.

Amity University Madhya Pradesh has been honored with the title of "Institution of Happiness - 2024" by QS I-Gauge. As per QS Southern Asia ranking, Amity University Madhya Pradesh is ranked 278 under Southern Asia category and in Asia it comes under 851-900 Band. AUMP has been ranked No. 1 in Private University in Madhya Pradesh. Ranked between 201 – 300 Band in the Engineering category by National Institutional Ranking Framework (NIRF) India Ranking 2024. In the year 2023-24 AUMP Ranked 3rd in West Zone, under the category of Multidisciplinary Emerging University. Amity University Madhya Pradesh bestowed with award of “Excellence in Placement Award 2024” by ZEE MP & CG Education Excellence Conclave on 1st June 2024. Amity University has been ranked in between 1001 – 1500 Band overall and as per Quality Education it is ranked between 601-800 Band, as per Decent Work and Economic growth it is ranked between 610-800 Band, as per Gender Equality it is ranked in 1000+ Band and as per partnership for the goals the University is ranked in 301-400 Band.

The University has one N.S.S. units sanctioned by the university, which are doing a tremendous job through organizing activities like blood donations, tree plantations, health check-up, personality development etc. are conducted by this unit.

Purpose of the Study

The main purpose of the green audit is to promote Environment Management and Conservation in the University Campus. The purpose of the audit is to identify, quantify, describe and prioritize the framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main purpose of the Green Report is:

- To inculcate awareness among the students of real concerns of the environment and its sustainability.
- To promote the concept of environmental conservation to minimize the extent of exploitation of resource use inside the campus.
- To ensure that the development of the campus fosters the concept of environmental sustainability and green campus.
- To establish baseline data to assess future sustainability by avoiding interruptions in environment that are more difficult to handle and their corrections requiring high cost.
- To bring out a status report on environmental compliance.

Green Audit Team

S.No	Name	Designation
1.	Prof. (Dr.) Kuldip Dwivedi, Chairman	Head, Department of Environmental Science
2	Prof. (Dr.) Swapnil Rai, Member	Professor, Department of Environmental Science
3.	Dr. Rwitabrata Mallick, Member	Associate Professor, Department of Environmental Science
4.	Mr. Umesh Kumar Sharma Member	Deputy Director Maintenance



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Mr. Umesh Kumar Sharma
Deputy Director Maintenance, AUMP

Water Management

The University is presently dependent on Borewells, which are presently 10 in numbers. The water is hard with an average prevailing TDS of 1800. However, soft water plant with capacity of 30 KL of ION EXCHANGE is installed in the Campus to improve the quality of water.

In addition, for drinking water 24 Nos of 50 litre capacity RO are fitted in the entire campus. They are regularly maintained under AMC. In addition to the above, water supply from Nagar Nigam, Gwalior with overall cost for Rs 67 lakh has been installed in the University. Total water consumption in 2023-24 is 1,09, 500 KL.

Water is used for drinking purposes, toilets and gardening. During the survey, no loss of water is observed, neither by any leakages, nor by overflow of water from overhead tanks. The data collected from all the departments is examined and verified.

Waste Management

The university has segregated waste into three parts:

- Solid Waste
- Liquid Waste
- e-Waste

Solid Waste: The waste is generated by all sorts of routine activities carried out in the University that include paper, plastics, glass, metals, foods, etc. The waste is segregated at each level and source. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The block cleaning workers on each floor collect, clean, segregate and compile the waste in the dustbins (Green and Blue) provided at each floor. The floor dustbins are emptied in movable containers/dustbins provided for each block and are taken to the dumping yard provided by the University.

The University has contacted an authorized vendor who collects the waste from the designated place, segregates, recycles and dispose off them at the landfills authorized by the government.

Liquid Waste: Liquid waste generated by the university are of two types:

1. Sewage waste
2. Laboratory, Laundry and cafeteria effluent waste

The above waste is treated through Sewage Treatment Plants (STPs) and Effluent Treatment Plants (ETPs) and the water is used for horticulture and flushing in toilets.

e-Waste Management: Flip flops, memory chips, motherboard, compact discs, cartridges etc. generated by electronic equipment such as Computers, Radio, TV, Phones, Printers, Fax and Photocopy machines are recycled properly. Instead of buying a new machine the buyback option is taken for technological upgradation.

The e-waste generated from hardware which cannot be reused or recycled is being disposed off centrally through government authorized vendors.

This indicator addresses waste production and disposal of different wastes like paper, food, plastic, biodegradable, construction, glass, dust etc. and recycling. Furthermore, solid waste often includes wasted material resources that could otherwise be processed through recycling, repair, and reuse. Solid waste generation and management is a burning issue. Unscientific handling of solid waste can create threats to everyone. The survey focused on volume, type and current management practice of solid waste generated in the campus.

Green Area Management

This includes the plants, greenery and sustainability of the campus to ensure that the buildings conform to green standards. This also helps in ensuring that the Environmental Policy is enacted, enforced and reviewed using various environmental awareness programmes.

The University has installed Solar Power Plant 307 K.Watt capacity. To save energy.

Eco-Club at the Campus

Eco-club of Amity University Madhya Pradesh, Gwalior has been constituted for spreading awareness among students, for generating knowledge about the environment and towards making clean and green campus. Eco-club is continuously organising World Environment Day, tree plantation, educational tour, special lectures and awareness programmes every year.

- Eco-Club AUMP, Centre of Excellence for Environmental Conservation and Biodiversity along with Department of Environmental Science, AUMP under Institution's Innovation Council, organized a Poster-making and slogan-writing competition on World Environment Day on 5th June 2024. The theme of World Environment Day 2024 was 'Land Restoration, Desertification, and Drought Resilience. "Our Land, Our Future." We are Generation Restoration." A total of 211 participants across the University registered at the event.
- Eco-Club AUMP, Centre of Excellence for Environmental Conservation and Biodiversity along with Department of Environmental Science, AUMP under Institution's Innovation Council, organized a Guest Lecture on Role of Youth in Environmental Conservation followed by Tree Plantation of Medicinal Plants at AUMP campus on 8th October 2024. The theme of event was "Plant Trees, Save Water, Discard Polythene". A total of 250 participants across the University participated in the event.
- Eco-Club AUMP alongwith Science Club AUMP organized the "Desh Ka Prakriti Parikshan Abhiyan" which is a health awareness initiative by the Ministry of Ayush, which focuses on promoting Ayurveda and understanding individual Ayurvedic Prakriti. The campaign has rapidly gained traction across India. A medical camp was organized for faculty, staff and students under the guidance of Dr. Mahesh Kumar Sharma, Principal and Chief Executive Officer, Govt. Ayurveda College, Gwalior; Prof. (Dr.)Rashmi Pradhan, HOD & Nodal officer Prakruti Parikshan campaign Government Ayurveda College & Hospital, Gwalior; Dr Surender Pradhan Ex Superintendent Govt Ayurveda Pharmacy , Gwalior; Dr. Upasna Bhardwaj Associate Prof. Govt. Ayurveda College, Gwalior and Dr. Pawan Sharma Assistant Professor and 10 MD doctors.

Eco-club and Science Club AUMP organized the camp on 12th and 13th December 2024 at AUMP campus. Around 250 students and faculty participated in this camp which promoted Ayurveda and understanding individual Ayurvedic Prakriti to facilitate tailored health insights and wellness strategies.

- The Harit (Green) Maha Kumbh Mela will be held from January 13 to February 26, 2025, in Prayagraj, Uttar Pradesh. The event will be a celebration of faith, unity, and India's spiritual heritage. Millions of pilgrims and visitors are expected to attend the world's largest spiritual gathering. With this background, Eco-Club AUMP has organized “Ek Thali Ek Thaila Abhiyan.” initiative, spearheaded by Paryavaran Sanrakshan, is dedicated to making Mahakumbh 2025 a sustainable and eco-friendly event by reducing the use of disposable items and promoting environmental responsibility.

The entire Amity University Madhya Pradesh family are proud to support this campaign and as a token of contribution to this noble cause which will help reduce reliance on polythene and disposable items during the Mahakumbh, promoting a cleaner and greener environment, 500 reusable stainless-steel Thalis and Cloth Bags have been arranged. More than 250 students and faculty members across the University have joined the event to make it a grand success and enhanced in making Mahakumbh 2025 a beacon of environmental stewardship.

- Eco-Club AUMP alongwith Department of Environmental Science, Amity School of Life Science, organized lecture on “National Pollution Control Day” on 14th December under the mandate of Institute Innovation Council (IIC), an initiative of MOE, Govt of India. The activity focused on encouraging participants to be aware about how they can avoid pollution caused due to industrial processes or human negligence and think innovative solutions for pollution free environment. The event helped to raise awareness towards the cause of pollution and reminded participants about the different ways to reduce pollution.

More than 100 students and faculty members participated in the event to make it a great success.

Environmental awareness initiatives undertaken by the university in the ten years of its existence are substantial. The installation of solar panels as renewable/alternative source of energy and two units of STPs for waste management is noteworthy. Besides this, environmental awareness programmes initiated by the administration and various departments show how the campus is going green. A few recommendations are added like installation of a water harvesting system and more efficient waste management using eco-friendly and scientific techniques. This will lead to a prosperous future in the context of Green Campus, establishing a sustainable environment and community development.

GREEN REPORT DETAILS

Year	2019	2020	2021	2022	2023	2024
Full-grown trees	1322	1525	1727	1913	2116	2314
Semi-grown trees	1083	1266	1448	1643	1791	1960
Bushes (including floriculture plants)	2169	2638	3106	3819	3922	4281
Lawn	80000	80000	80000	88500	88800	91500
Total no. of incandescent lamps used earlier	200	250	0	0	0	0
LED tube lights	0	60	900	900	900	900
Solar System	0	307 KW	307	307	307	307
Rain water Harvesting Pits	10	10	10	10	11	11
compostable solid waste	4000	4500 Kgs	5500	5500	5500	5500
non-compostable waste	850	900 Kgs	1200	1200	1200	1200
vermicompost	800	800	1200	1200	1200	1200
Four wheelers	68	78	88	88	98	108
Two wheelers	219	239	259	259	269	279
Physical Structure						
Class rooms	70	70	70	70	70	179
Staff rooms	12	12	12	12	12	24
Laboratories	50	50	50	50	50	67
Conference halls	4	4	4	4	4	4
Libraries	4	4	4	4	4	6
Administrative Office	13	13	13	13	13	17



Tree Plantation



Landscaping



Lush Green Campus



Solar Panel



Glimpses of Green Campus