

**GREEN ENERGY AND ENVIRONMENT AUDIT
CERTIFICATE**

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Certificate No: ES/GU/24-25/16

Date: 20/3/2025

This is to certify that we have conducted Green Audit at Goa University, Taleigao Plateau, Goa in the year 2024-25 for the period of 2020-2025.

The University has adopted following Green Energy, The University has adopted following Eco- Friendly Practices and Sustainable Practices:

Sr. No.	Observation and Remarks
1	Usage of Energy Efficient LED Fittings
2	Usage of BEE STAR Rated Equipment
3	Installation of 605 kWp Grid Solar PV Plant
4	Cost saving in Energy Monthly Bills due to Solar Grid System.
5	Installation of Solar Thermal Water Heating System.
6	Usage of BEE STAR Rated Equipment
7	Application Of Effective E-Governance Measure and thereby significant reduction in use of paper and energy.
8	Annual Maintenance Contract for preventive maintenance of Equipment and Machinery and thereby conservation of energy.
9	The records of energy utilization and the category/segregation of energy usage is monitored and maintained at the department level.
10	Rich Flora, Fauna on the University campus
11	Rich mobility and existence of Avians on the university campus.
12	Use of PWD Water Supply (2,50,000 Liters/day and Bore Well water supply (1,50,000 Liters/day)
13	The average habitatants on the campus on per day basis are 5465 and water utilization per day is 1,56,554.80 Liters per day and hence there is optimum use of water.
14	The Water quality testing practice exist
15	Rain Water Harvesting project for making use of rain water falling on terrace. The total 6,47,87,500 Liters of Rainwater is harvested and used for ground water recharge.
16	Segregation of Waste at source

17	The composting practice is available on campus and the systematic and scientific measures are used for composting.
18	Installation of Sanitary Waste Incinerator
19	Provision of Sewage Treatment Plant
20	Construction of Farm Pond exist and construction of dam on campus is in process.
21	E-waste Management is structured and carried out effectively. The E-waste is segregated. The students are involved in the E-waste management.
22	Water Shadae Management exists.
23	The Hazardous Material waste available at Bio-technology department is managed.
24	Tree Plantation in the campus
25	Creation of Awareness on Plastic Free Campus by Display of Boards
26	Installation of Sanitary Waste Incinerator
26	Provision of Ramp & Dedicated Wash rooms for Divyangajan
28	Air Quality is range from GOOD to SATISFACTORY (Value Range between 45-74 INDEX; 81 IS THE MODERATE VALE). UV index 7 of 11.
29	Noise Pollution Range: Minimum-42.5db; Average-59.5db; Maximum-67.5db
30	Carbon Footprint: The Carbon Sequestration potential at Goa University is 699.60 Kg/hector.

Hence Certified

Dr. Ajit R. Thete, Director, Centre for Development of Leadership in Education, Pune.

A Y Mehendale

A Y Mehendale,

B E- Mech, M Tech-Energy, Certified Energy Auditor, EA-8192

ASSOCHAM GEM Certified Professional: GEM: 22/788

UDYAM Regn. No: UDYAM-MH-26-0135636,

MEDA Regn. No: ECN/2023-24/CR-43/1709

ISO: 9001-2015 Certified (Cert No: 23EQKC13),

ISO: 14001-2015 Certified (Cert No: 23EEKW20)



