# SDG-14: LIFE BELOW WATER

## 1. Institutional Commitment

At Amity University Rajasthan (AUR), initiatives aligned with **UN Sustainable Development Goal 14: Life Below Water** focused on regional water conservation, aquatic ecosystem research, and community-level awareness—adapting freshwater stewardship principles to a semi-arid region adjoining the Thar Desert. The semi-arid geographic region of Rajasthan, the university emphasizes responsible water usage, rainwater harvesting, and watershed management strategies in its campus planning and community outreach programs. Despite limited water resources, AUR has established a sustainably water management model for circular water economy and ecological restoration in desert regions. such as man-made freshwater lake, nourished exclusively with treated wastewater from the STP and ETP systems, demonstrating a model for circular water economy and ecological restoration in desert regions.

## 2. Ground Water Management

The University systematically measures and monitors the total volume of water drawn from the borewells across the campus, and also monitor the distribution and consumption. Water Usage (kilo liter) at Amity University Rajasthan duing 2025-2026 is given below.

| Month | Borewell | Lake for irrigation | Flushing Total | Chiller Plant for Cooling Tower | ETP out put used for irrigation | Total |
|---|---|---|---|---|---|---|
| Jul'25 | 9847 | 6401 | 2810 | 906 | 194 | 20158 |
| Aug'25 | 10335 | 9137 | 5842 | 906 | 496 | 26716 |
| Sep'25 | 11931 | 7926 | 6579 | 973 | 467 | 27876 |
| Oct'25 | 12056 | 5766 | 4541 | 390 | 329 | 23082 |
| Nov'25 | 10949 | 7270 | 5327 | 25 | 376 | 23947 |
| Dec'25 | 10929 | 8152 | 4369 | 0 | 368 | 23818 |
| Jan'26 | 12508 | 7783 | 3976 | 0 | 338 | 24605 |
| Feb'26 | 7576 | 7359 | 4096 | 23 | 339 | 19393 |
| Mar'26 | 11457 | 7718 | 4387 | 413 | 344 | 24319 |
| Apr'26 | 12501 | 9299 | 5293 | 1142 | 366 | 28601 |
| May'26 | 12514 | 9159 | 5346 | 1283 | 343 | 28645 |
| Jun’26 | 15109 | 3818 | 1877 | 1147 | 111 | 22062 |
| Total | 122603 | 85970 | 54443 | 7208 | 4071 | 293222 |

Water is distributed through an extensive network of underground sumps and overhead tanks equipped with wireless water-level controllers and monitoring mechanisms to regulate and record supply volumes across academic blocks, hostels, and residential zones. Further, Separate mechanism adopted for treated wastewater through Sewage Treatment Plants (STPs) for horticulture, cooling towers, and toilet flushing, ensuring comprehensive oversight of the campus's total water footprint.




## 3. Key Research & Outreach Activity (2025-25)

**Research on Water Studies**

The university has dedicated Centre of Excellence continues to promote interdisciplinary research and outreach in the domain of water sustainability, wastewater valorization, groundwater conservation, and environmental biotechnology. Research Through impactful publications, collaborative events, and innovative projects, the Centre has reinforced its role as a key contributor to the sustainable management of water resources and the promotion of environmental biotechnology.

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# Critical Review of Water Quality in Rajasthan: Regional Perspective on Human Health, Agriculture, Wildlife, and Environment

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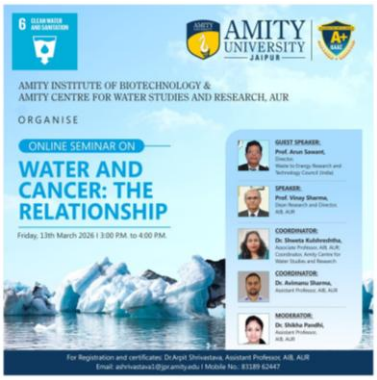
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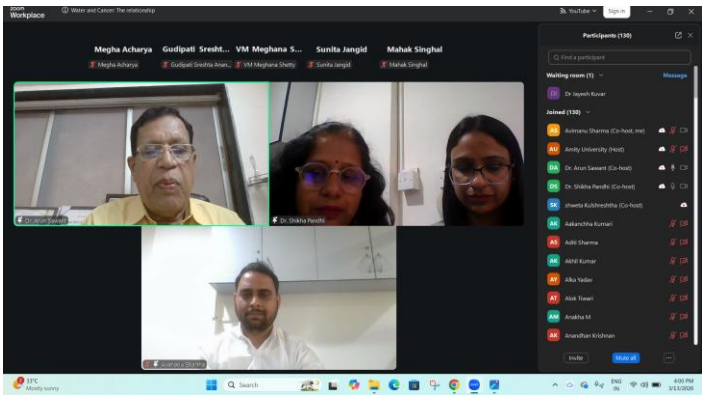
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## 4. Awareness Educational Programs




Prof. Swetha Kulshrestha, Director delivered a talk " Catch the Rain"








Save Water" awareness camp organised at Amity University through various activity on 27 March 2026 at Amity University Rajasthan.

## 5. Monitoring & Governance

SDG-14 initiatives are monitored by:

- Centre for Water Studies & Research (ACWSR)
- Sustainability Committee & IQAC
- Annual sustainability reporting system
- Campus environmental audit & water-use records

## 6. Future Roadmap (2025–2030)

- Expand campus aquatic biodiversity
- Launch Water-Sustainability Summer School
- Rural outreach for soil-water-vegetation conservation
- Joint publications & MoUs with water & ecology institutes at national and international level.