



Progress Report on SDG 6

Rajshahi University of Engineering & Technology (RUET)

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Clean Water and Sanitation at Rajshahi University of Engineering & Technology (RUET)

Rajshahi University of Engineering & Technology (RUET) is committed to ensuring the availability and sustainable management of water and sanitation for its campus community and surrounding areas, aligning with the objectives of **Sustainable Development Goal 6**. The university integrates infrastructure, research, and community outreach to advance safe water, sanitation, and hygiene.

Key Highlights

- In August 2023, RUET initiated a major **drinking-water infrastructure upgrade**: six residential dormitories will receive hot-and-cold water filters on each floor, and campus base-pipe size is being increased from 6 mm to 10 mm to supply iron-free drinking water. (bssnews.net)
- The **Department of Civil Engineering** published “*A Study on Diminishing Trend of Surface Water Sources in Northern Bangladesh Using Remote Sensing*” (Paper ID CE 0325, ICPACERUET 2023), demonstrating RUET’s engagement in long-term regional water-resource assessment. (icpaceruet.org)
- Another October 2023 conference paper, “*Identification and Characterization of Microplastics in Surface Water Sources at Rajshahi City*” (Paper ID CE 0304), reflects RUET’s focus on water-quality research addressing pollution, sanitation, and public health. (icpaceruet.org)
- RUET’s **urban campus spans approximately 152 acres**, providing the scale for integrated water-supply, sanitation, and wastewater infrastructure. (ruet.ac.bd)
- In May 2024, RUET hosted a **six-day workshop on Faecal Sludge Management (FSM)** in collaboration with the Institute of Techno-Knowledge, BUET (ITN-BUET), attended by ~160 civil-engineering students. The workshop included a field visit to a Faecal Sludge Treatment Plant (FSTP) in Chapainawabganj, enhancing hands-on exposure to sanitation systems. (itn.buet.ac.bd)
- The university coordinates with **Rajshahi Water Supply & Sewerage Authority (RWASA)** for municipal water and sanitation services, ensuring reliable supply and integrated wastewater management for campus facilities. (en.wikipedia.org)

Impact & Next Steps

RUET is functioning as a knowledge hub for water and sanitation challenges—both through campus infrastructure and regional research—supporting SDG 6 targets on **safe water, sanitation, wastewater treatment, resource management, and community outreach**.

Planned directions for improvement include:

- Conducting and publishing **detailed campus-specific audits** of drinking-water supply (number of filters/points, litres per day), sanitation-facility coverage (including toilets/showers per hall), and wastewater treatment/discharge data.
- Installing or upgrading systems for **water recycling or rainwater harvesting**, with annual reporting on water reuse volumes.
- Extending **community engagement programmes** into Rajshahi metropolitan and surrounding rural zones, leveraging RUET's engineering expertise to improve access to safe water and sanitation for local communities.