

Water Management

Ambitious Goal

Become a model campus having multiple water supply alternatives and implementing efficient water use technologies.

Baseline Data 2019 (Data used are recorded or computed for the year 2019)

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- Fresh water consumption was 45 L/FTE per day.
- Fresh water used for irrigation was 193 m³ per hectare of green area.

Objectives

- Better use of rainwater
- Minimal water losses
- Efficient water utilities are in place
- Minimal fresh water use for irrigation

Actions

1. Storage of roof-top rainwater from existing campus buildings for local use for irrigation and other esthetic uses.
2. Maintain campus earth dam to enhance rainwater collection.
3. Install water meters for each building to detect any leakage for immediate action.
4. Monitor water consumption data to assist in identifying areas of potential savings.
5. Install water saving devices for taps (replacing or renovating fittings). Buildings under construction or undergoing major renovation should have the most efficient Water Efficiency Labeling and Standards.
6. Implement water use efficiency awareness programs to encourage students and staff to save water.
7. Use best practices for efficient irrigation.
8. Increase on-site stormwater collection hardware used for irrigation.

Key Performance Indicators

- Fresh water consumption per FTE.
- Volume of fresh water used for irrigation per hectare of green area.
- Volume of rain water collected.
- Number of leakage incidences detected.

Alignment with Sustainability Development Goals

This Action Plan aligns with the following UN Sustainable Development Goals:

- #6 Clean water and Sanitation
- #9 Industry, Innovation and Infrastructure
- #11 Sustainable Cities and Communities
- #12 Responsible Consumption and Production
- #13 Climate Action

Alignment with JUST Strategic Plan 2022-2026

- #5 University environment and infrastructure.

Challenges

- Financial Resources