Centurion University
Shaping Lives...
Empowering Communities...

SDG 6 | CLEAN WATER AND SANITATION

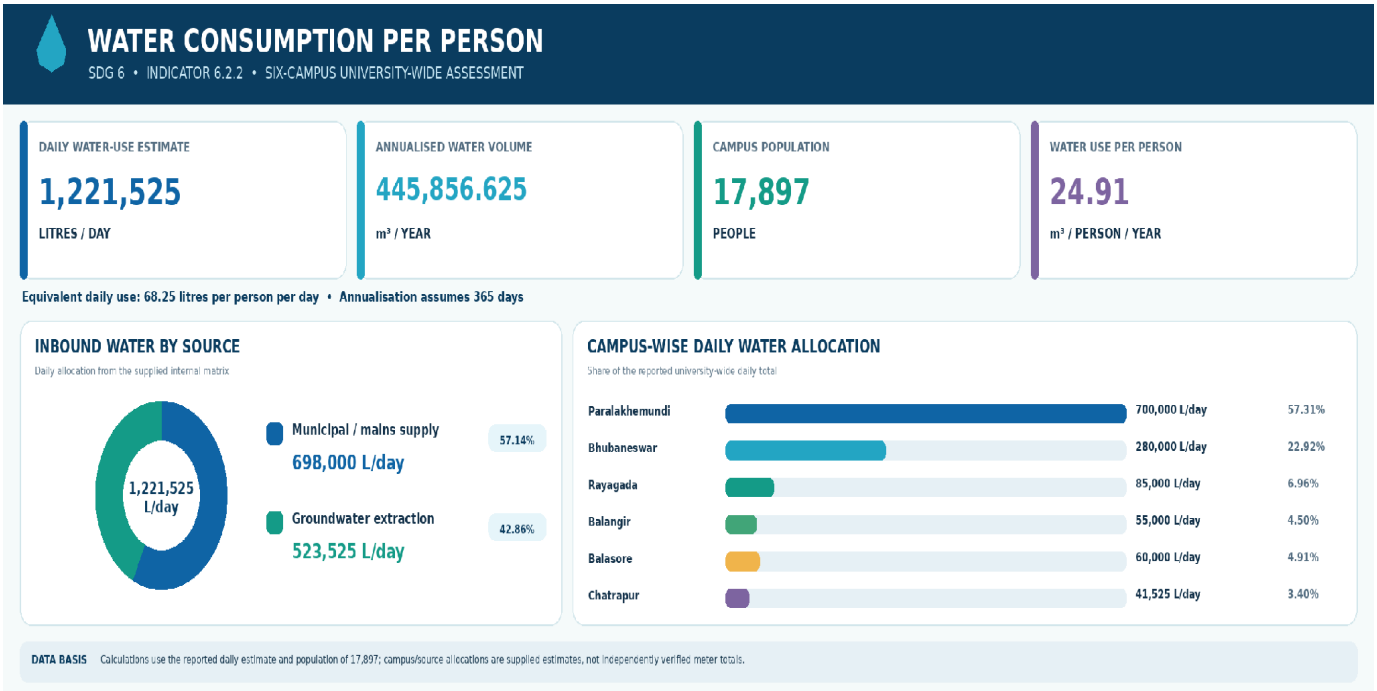
Water Consumption per Person

1. Executive Summary

Centurion University of Technology and Management (CUTM) operates six campuses in Odisha: Paralakhemundi, Bhubaneswar, Rayagada, Balangir, Balasore and Chatrapur and tracks total water consumption across these campuses.

The internal university-wide Water Consumption Metrics matrix reports estimated total consumption of 1,221,525 litres per day from municipal/mains supply and groundwater extraction. Using the supplied campus population of 17,897, the annualised water-use equivalent is 445,856.625 m³/year, corresponding to an estimated 24.91 m³ per person per year, or 68.25 litres per person per day.

ANNUALISED VOLUME 445,856.625 m³/year	CAMPUS POPULATION 17,897	PER-PERSON WATER USE 24.91 m³/person/year	DAILY EQUIVALENT 68.25 L/person/day



2. Calculation Method

Calculation	Result
Step 1 — Convert daily litres to cubic metres	1,221,525 L/day ÷ 1,000 = 1,221.525 m³/day
Step 2 — Annualise the daily estimate	1,221.525 m³/day × 365 days = 445,856.625 m³/year
Step 3 — Calculate annual water use per person	445,856.625 m³/year ÷ 17,897 people = 24.91237 m³/person/year
Step 4 — Calculate daily per-person equivalent	1,221,525 L/day ÷ 17,897 people = 68.25306 L/person/day

3. Inbound Water Volume by Source

The campus allocation table supplied with the internal matrix divides the reported daily total between municipal/mains supply and groundwater extraction. The values below are used as the source allocation accompanying the calculation.

Inbound water source	Daily allocation (L/day)	Annualised volume (m³/year)	Share of daily total
Municipal / mains supply	698,000	254,770.000	57.14%
Groundwater extraction	523,525	191,086.625	42.86%
TOTAL INBOUND WATER	1,221,525	445,856.625	100.00%

Campus-Wise Annualised Water Volume

Campus	Daily total (L/day)	Share of university total	Annualised total (m³/year)
Paralakhemundi	700,000	57.31%	255,500.000
Bhubaneswar	280,000	22.92%	102,200.000
Rayagada	85,000	6.96%	31,025.000
Balangir	55,000	4.50%	20,075.000
Balasore	60,000	4.91%	21,900.000
Chatrapur	41,525	3.40%	15,156.625
UNIVERSITY TOTAL	1,221,525	100.00%	445,856.625