

## Shiv Nadar Institution of Eminence

### Water measurement of the university

At Shiv Nadar University, water is extracted from borewell water for fulfilling various water needs like drinking, flushing, cooking, agriculture and others. The university has received No Objection Certificate (NOC) from the Ground Water Department of the Ministry of Jal Shakti, Government of India for groundwater extraction and is committed to using sustainable practices in managing this critical resource.

The Shiv Nadar University community recorded a total water consumption of 335160 m<sup>3</sup>/ kiloliters across its expansive 286-acre campus for the year 2024. This consumption supported the following:

- Residential students
- Employees (39% reside inside the campus)
- Contract workers relying on the university for water needs during their normal 8-hour workday
- Campus residents (consuming water 24/7), and
- Daily visitors
- Construction and renovation activities at the campus

Despite the demands of such a large population and the need to sustain the campus's vibrant greenery, the university's water consumption per person is 36.5% lower than NBC BIS standards. On an average, each individual consumes 15.87 litres per day during operational hours. This was determined from a thorough real-time water survey of sample population of the campus assessing their drinking, handwashing, and toilet water usage across various departments, including faculty, students, housekeeping, and ground staff. This survey was conducted in July and August of 2024.

The university is situated in an area that experiences extreme summer heat, often exceeding 45-50 degrees celsius, its workers who perform their duties outdoors have higher water requirements during high heat days. Also, the water needs for plants increases these days which adds to its overall water footprint. This context underscores the university's proactive stance towards efficient water management and resource conservation.

Shiv Nadar University is committed to fostering a culture of sustainability, adhering to its EHS policy for conscious water usage. The institution aims to set a benchmark for responsible water consumption in the education sector by continually monitoring and improving its water management practices, reinforcing its dedication to a sustainable future.