



## Water conservation



Rainwater harvesting at Infosys Hyderabad

UNICEF estimates that by 2025, more than 50% of the world's population could live in areas with scarce water resources. Due to severe water scarcity, 700 million people could lose their lives by 2030. To address this challenge, it is crucial to develop sustainable systems that can efficiently store and use fresh water. Moreover, there is a need for land management techniques that preserve the integrity of the water cycle. We, at Infosys, are committed to minimizing our water footprint and improving water accessibility in the communities in which we operate.

Since 2000, the frequency and length of droughts have increased by almost a third

globally due to climate change, and as a result, more than 2.3 billion people worldwide are presently experiencing water stress. Understanding the significance, the UN CEO water mandate experienced historic growth, and its Water Resilience Coalition, which places global water stress on corporate agenda's, also experienced record growth. As a signatory to the UN CEO Water Mandate, we commit to enhancing our operational water conservation procedures and expanding our community outreach. We are committed to water conservation through the 3R (Reduce, Reuse, Recycle) strategy.



We have evaluated the water stress zones in line with the WRI guidelines for all our locations globally. The details of water stress zones and withdrawals are available in BRSR. 100% of our water withdrawal from various sources has Total Dissolved Solids (TDS) which is less than 1,000 mg/L and hence considered as fresh water.

We are continuously preparing our campuses to be water sustainable by reducing freshwater intake and implementing water conservation initiatives. Retrofits and consolidation in building operations brought down freshwater consumption in various locations. Our freshwater consumption is solely for human sustenance and hence, we believe we do not significantly impact water resources. We are focused on reducing our freshwater consumption through many initiatives. A comprehensive water management strategy has been devised to achieve water sufficiency. Water usage is reduced through demand side measures and 100% of wastewater is recycled within our campuses.

### Water Intensity (KL/MUSD)

2020-21	96.39
2021-22	80.46
2022-23	124.90

## Rainwater harvesting

Rainwater harvesting is an important part of our water stewardship goal. Our India campuses are equipped with rooftop rainwater harvesting, harvesting tanks, recharge wells and artificial lakes. These reduce our external freshwater dependency and also help to replenish the groundwater table in the areas we operate in. Our campuses in Chennai MCity, Thiruvananthapuram, Hyderabad and Bengaluru have achieved maximum rainwater harvesting last year. We are continuing efforts to strengthen rainwater harvesting in our other India locations too.

### Rooftop rainwater harvesting

Rooftop rainwater harvesting systems have helped us offset freshwater purchases from external sources.



The rooftop rainwater harvesting filter near SDB 1 in Infosys Chandigarh

## Artificial lakes and deep water injection wells

We have built groundwater injection wells at our Bengaluru, Chandigarh, Chennai, Hyderabad, Jaipur, Mysuru and Pune campuses.

Injection wells and artificial lakes are useful in replenishing the groundwater table.

We have augmented the capacity of the following lakes during the year.

Location	Capacity
Chennai MCity - 1	750 KL
Chennai MCity - 2	450 KL
Bhubaneswar SEZ	5,250 KL
Jaipur	400 KL



An artificial lake created in Infosys Jaipur

## Waste water treatment and reuse

### Upgrade of STP to Membrane Bio Reactor (MBR)

Non-MBR Sewage Treatment Plants (STPs) were upgraded to MBR technology to improve treated water quality and utilize treated water for all recycling purposes. In fiscal 2023, we have upgraded the STP plants in Chennai Sholingnallur, Nagpur, Pune Phase I locations.

Location	Plant capacity	MBR Upgrade
Chennai Shols	180 KLD	Completed
Nagpur	200 KLD	Completed
Pune Phase I	250 KLD	Completed
Hubballi	75 KLD	In Progress

During fiscal 2023, we received confirmation from our overseas locations that the sewage generated at our offices was disposed in line with the local regulations.

In fiscal 2023, we recycled and reused upto 11,75,764.82 KL of water, which amounts to 70.84% of the total water withdrawal in India locations. This has enabled reduction in freshwater sourcing to that extent.



The STP in Infosys Chennai - Shols

### Implementation of dual plumbing

Implementation of dual plumbing in identified buildings of the Bengaluru and Chennai MCity campuses is in progress to utilize STP treated water for flushing.

Location	Status
Bengaluru	B#11, 12 completed
Chennai MCity	SDB 2 completed

### Procurement of grey water for recycling

The procurement of secondary quality water through authorized agencies to meet the water demand for landscaping helps us reduce freshwater dependency. We have implemented grey water procurement in Chennai and Hyderabad.

Location	Qty. received in fiscal 2023
Chennai MCity	4,829 KL
Hyderabad STPI	18,827 KL

### Smart water irrigation projects

Smart irrigation systems have been piloted in our Mysuru and Chennai campuses. Projects in Gurgaon, Hyderabad (STP) and Bengaluru are under evaluation. Careful planning to ensure lesser grass cover, the use of native species and the continued development of irrigation infrastructure including automated irrigation and drip irrigation have ensured lesser water use.

### Wastewater treatment plant (WTP) and STP retrofits

Retrofitting WTPs and STPs using latest technologies for efficient and economic operations is an important strategy. We have ensured that all the treated water is reused in our campuses and its quality is monitored regularly to ensure adherence to all applicable norms. New designs for WTPs ensure they are better optimized for size, treatment technology and improved treated water quality. Old treatment plants have been retrofitted with advanced membrane bio reactor technology that gives better treated water quality, meeting all wastewater treatment norms. We ensure that we treat and reuse 100% of the wastewater generated through our business operations within our campuses for flushing, landscaping and cooling tower applications. Consequently, freshwater withdrawal has reduced drastically.

100%

of wastewater generated is treated and recycled within our campuses

