

Water reuse policy

Objective:

Our university is committed to the efficient and sustainable use of water resources in alignment with our dedication to environmental stewardship. This policy aims to maximize water reuse across the campus through the implementation of advanced water management practices.

Rainwater Collection System:

The university boasts a state-of-the-art rainwater collection system, featuring a huge water tank with a capacity of 350 tons underground and two substantial tanks with a capacity of a total of 50 tons above the ground. These tanks are dedicated to the collection of rainwater, serving as a pivotal component in our water conservation efforts. The harvested rainwater is strategically utilized for various purposes, including irrigation, maintaining campus fountains, and supporting laboratory activities.

The actual flow of the rainwater collecting is as follows:



Rainwater from buildings poured into the water trays through installed tubes

Then, water trays direct collected rainwater to the water tanks.



A 350-ton water tank is located under this building and two water tanks with an overall capacity of 50 tons are located inside this building.

Water Circulation System:

In pursuit of water efficiency, the university has established a sophisticated water circulation system. This system orchestrates the seamless movement of water from the rainwater collection tanks to designated areas such as fountains and hydraulics laboratories. After fulfilling its intended purposes, the water undergoes a meticulous filtration process before being returned to the collection tanks. This closed-loop system ensures that water is continuously reused, promoting sustainability and minimizing overall water consumption. In order to visualize the water circulation system, we can use the following scheme:

