



**SAMARKAND STATE UNIVERSITY NAMED AFTER SHAROF RASHIDOV
(SAMDU)**

**SUSTAINABLE DEVELOPMENT GOAL 06
(SDG 6)**



"Clean water and sanitation for all" is the subject of Sustainable Development Goal 6. The United Nations General Assembly set 17 Sustainable Development Goals in 2015, and this one is among them. The UN states that the objective is to "ensure availability and sustainable management of water and sanitation for all."

We believe that access to safe water, sanitation, and hygiene is the most basic human need for health and well-being. Our water resources are limited and pressure is increasing on our sources due to increasing demand from agriculture, energy sectors, industrialization, and population. Due to pressure on water resources and severe scarcity, a half world's population is living under continuous threat.

Therefore, Samarkand State university is committed to investments in necessary infrastructure for sanitation and water supply for safeguarding and preventing water resources from being lost. We are continuously thriving to establish modern technologies for purifying used water for reuse, minimizing our needs, creating awareness among staff and students. Our experts are engaged in research to prevent water resources from being polluted and lost.

Metrics

6.2.1 - Does your university as a body measure the total volume of water used in the university that is taken from mains supply, desalinated, or extracted from rivers, lakes, or aquifers?

Samarkand State University measures the water volume that is being used at the different buildings, campuses, and faculties of the university. This measurement is taken from January to December every year. For the year 2021, it was 100257 m³ while for 2022, it is 86750 m³.

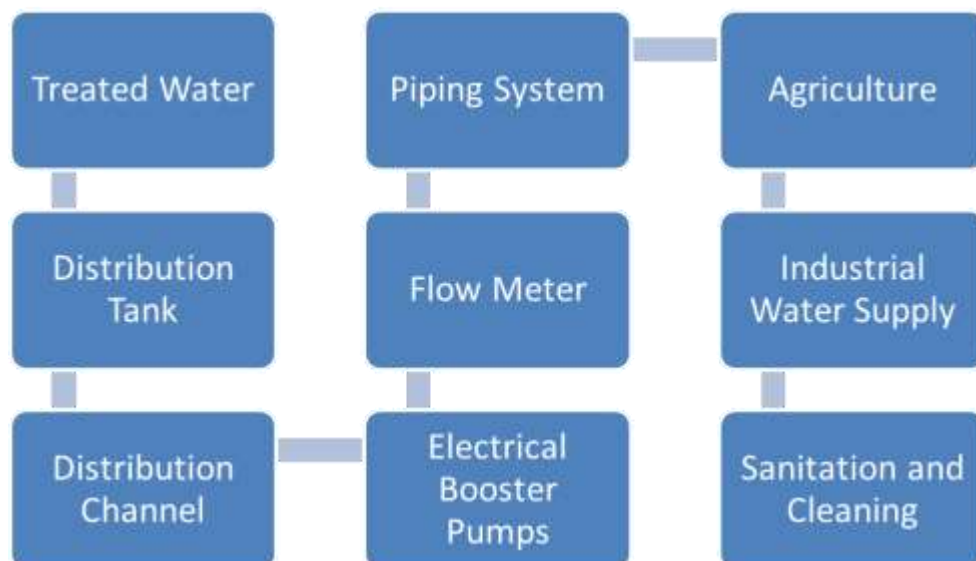


6.3.1 - Does your university as a body have a process in place to treat waste water?

Samarkand State University named after Sharof Rashidov is determined to his responsibilities towards sustainable development and utilization of resources. Therefore, we transfer our liquid waste to the Samarkand City Water Treatment Plant. Further, they distribute purified water to city dwellers and the university population as per their plan.



Samarkand Water Treatment Plant follows modern equipment and technologies for treating liquid waste. The treatment plant is governed by the government of the Republic while Samarkand State University's experts proactively participate in the development of technologies and efficient ways to purify water and distribute it properly.



6.3.2 - Does your university as a body have processes to prevent polluted water entering the water system, including pollution caused by accidents and incidents at the university?



We have a completely efficient dual system for supplying fresh water and collecting drainage water differently to prevent water pollution in the freshwater supply. At each building, modern equipment is installed to supply fresh water as follows.

1. All buildings of the university have been installed with different sewerage and clean water supply systems.
2. The sewerage water is transferred directly to the Sewerage Water Treatment Plant for treatment and redistribution after cleaning.
3. Fresh water is stored to supply for different buildings in the form of passive supply.

6.3.3 - Does your university as a body provide free drinking water for students, staff and visitors, e.g. drinking water fountains)?

Samarkand State University offers fresh drinking water supplies to all its students, staff, and visitors. We have a freshwater supply in all university-owned buildings and areas.



6.3.4 - Does your university as a body apply building standards to minimise water use? (relevant standards to be indicated)

Samarkand State University prioritizes water usage in an efficient way to optimize the use. For this purpose, the university tracks water utilization in all buildings by the number of people who live or stay there for a long time or full-time. In this way, we can optimize our usage. Further, we create awareness among students for optimizing the use of water.



For awareness, we use the youth organization along with other responsible persons to discuss water and its importance in our life. The university conducts many events annually to raise voices in support of saving water for future generations.

6.3.5 - Does your university as a body plant landscapes to minimise water usage? (e.g. use drought-tolerant plants)

The Republic of Uzbekistan lies in an arid climate zone. Our responsibilities are bigger than others. Therefore, we are committed to developing a strategy that can reduce our water use. For this purpose, we plant drought-tolerant plants in the university campus and our nearby zones. For preparing this report, our staff collected many plants (pictures) from the university campus.





6.4.1 - Does your university as a body have a policy to maximise water reuse across the university?

Water reuse is widely recognized as a practice that helps manage water resources more efficiently. It is mandatory to set out minimum standards for water quality, risk management, and monitoring requirements to ensure safe water reuse.

Samarkand State University has prepared certain standards based on consultations with experts and other stakeholders, and guidelines to prepare a modern water reuse regulation. It provides guidance on the general and administrative obligations set out by the regulation.

We promote the reuse of water. Therefore, our policy dictates it in the following way.

1. Water Reuse for Irrigation
2. Irrigation for agriculture
3. Irrigation for landscaping such as parks, rights-of-ways, and golf courses
4. Municipal water supply
5. Process water for power plants, refineries, mills, and factories
6. Indoor uses such as toilet flushing
7. Dust control or surface cleaning of roads, construction sites, and other trafficked areas
8. Concrete mixing and other construction processes
9. Supplying artificial lakes and inland or coastal aquifers
10. Environmental restoration

In last, Samarkand State University and its policy promote the reuse of water for many purposes.

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