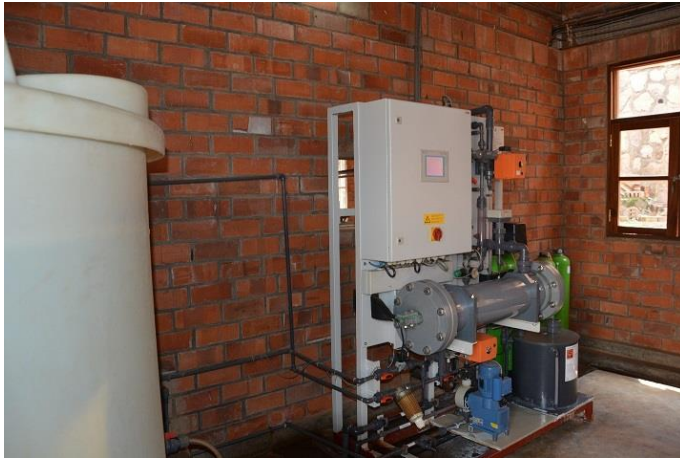

Kimisagara Water Treatment Plant

Production capacity



Kimisagara Water Treatment Plant supplies clean water to City of Kigali. It is located in Kimisagara cell, Nyarugenge District and is one of the three water treatment plants supplying the city dating back to the 1980s. It produces 29,000 cubic meters daily. Five pumping pipes transport the water to three pipes from the plant to reservoirs.

Treatment



The treatment process is complex consisting of a mixture of at least three different chemicals to ensure good quality water. The plant makes its own chlorine and this ensures good quality/quantity of the chemical. This is imperative because the water is raw. Once the treatment is complete, the water is stored in four reservoirs within the plant then its pumped out to outside reservoirs in different parts of Kigali.

Laboratories at the plant receive samples from reservoirs and distributing pipes for testing. Every hour a test is done from the reservoirs. Samples from distributing pipes are collected at random; this is a guarantee of clean water supplied by WASAC



Process of supplying water

The treated water stored in reservoirs is then pumped (pumping station includes five pumps). It is then pumped two three different pipes; 300mm (in diameter), 500mm pipes and a gravity distributing pipe. The gravity-distributing pipe supplies Muhima area, due to proximity and geographic nature where the plant is situated.



Areas of distribution

- Town center
- Gasyata
- Nyamirambo
- Kimihurura
- Muhima
- Biryogo (Kwa nyiranuma)