

Around 400,000 people will be supplied under Kigali Water Network project

The city of Kigali as capital has more than 3 million people, as many other parts of urban areas in Rwanda they always complain about the shortage of water. In Urban area water supplied is estimated at 187,293m³ per day and water demand is 290,038m³ per day. There is a gap of 102,745m³ per day which results in water rationing in some urban areas.

The topography is the main cause of water shortage in Kigali city and some other parts, as people located in at the highest point are more affected by non-availability of water supply.

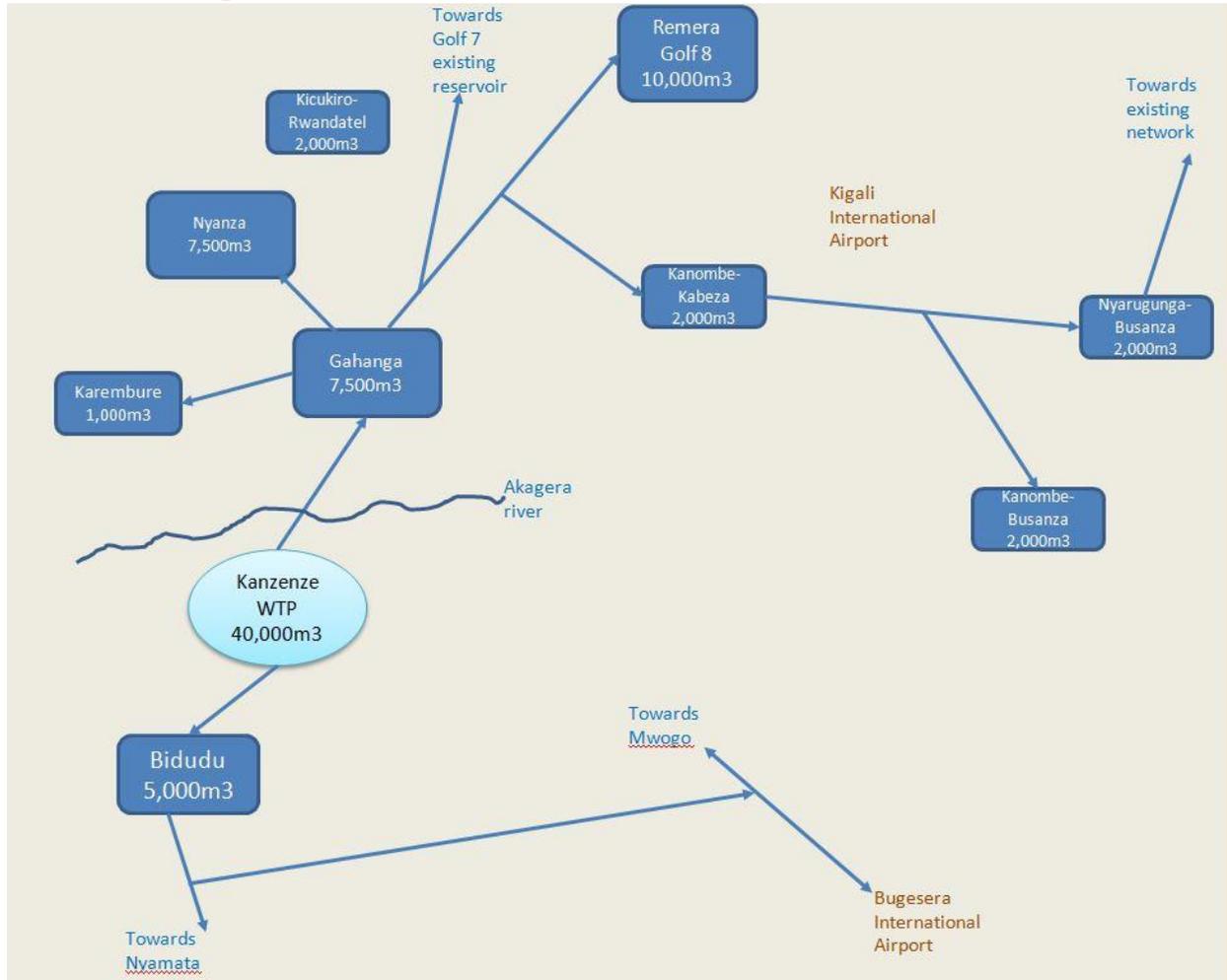
The project ok Kigali Network came as one solution to face water shortage in Kigali city, and is aiming at construction, rehabilitation, upgrading and extension of Kigali and Peri urban Water Supply System, to respond to the shortage of water supply in coverage area, in order to improve the network efficient as well as being able to accommodate the anticipated increase of water production.

The proposed intervention will complement the project financed by GoR and ensure water produced reach users. Scope of the work include: i) replacement of old pipes to reduce non-revenue water; ii) replacement of small distribution pipes; iii) augmentation of storage capacity and construction of pressure break tanks; iv) extension of network in new development areas; v) construction of water distribution reservoirs to avoid direct pumping into the network; vi) provision of new district metering; vii) replacement of old customer meters; viii) purchase of leak detection and pressure management equipment; ix) rehabilitation of Kimisagara pump station to improve energy efficiency.

The project also comprises construction of forwarding infrastructure from Kanzenze WTP (Kigali Bulk Water Project) towards Kigali and Bugesera respectively. There will be a direct pipeline connecting the 5000 m³ main reservoir of Bugesera (Bidudu) to the New Bugesera International Airport.

This project will be implemented for a period of 24 months and approximately 398 300 people will be served and will have access to water in Nyarugenge, Gasabo, Kicukiro ; Runda and Rugalika (Kamonyi), Ntarama (Bugesera), Muyumbu and Nyakariro (Rwamagana), Shyorongi (Rulindo) areas.

Section 9 and update.



Construction of forwarding infrastructure from Kanzenze WTP towards Kicukiro and Bugesera: The total length of all forwarding infrastructure pipelines: 67,344m

Pipeline	Length in km
To Kigali	
Kanzenze WTP-Gahanga	7.339
Gahanga-Remera	10.6
Airport Kanombe-Kabeza-Nyarugunga	6
Nyarugunga-Busanza	1.6
Kanombe-Rwimbogo	1.28
Nyanza-Gahanga	2.131
Gahanga-Kagarama (Air-Force)	2.963
Gahanga-Karembure	2.868
To Bugesera	
Kanzenze WTP-Bidudu	2.786
Bidudu-Ntarama	4.268
Ntarama-Nyamata	4.809
Ntarama-Airport	20.7
TOTAL	67.344