



**THE REPUBLIC OF UGANDA**

**MINISTRY OF WATER AND ENVIRONMENT**

**RESPONSE TO CONCERNS RAISED BY HON. KABAGYENYI ROSE (MP  
KISORO) ON INADEQUATE WATER SUPPLY IN KISORO DISTRICT**

**By**

**Hon. SAM CHEPTORIS  
MINISTER OF WATER AND ENVIRONMENT**

**17<sup>th</sup> July 2018**

## **OPENING REMARKS BY THE MINISTER**

**Rt. Hon. Speaker**

**Hon. Members of Parliament,**

**Colleagues,**

**Ladies and Gentlemen**

I would like to thank and respond to the issue raised by my colleague and Distinguished Member of Parliament **Hon. Kabagyenyi Rose** on the issue of inadequate water supply in Kisoro district.

I would like to inform Parliament and Public in general, that the dry spell is quickly approaching in most parts of the country hence some areas will experience challenges and intermittent water supply and climate change however, Government of Uganda and the Ministry in particular is and has been implementing various water supply environment restoration and other related activities to facilitate water supply and climate change resilience in the country.

Rt. Hon Speaker, in response to the concern raised by Hon Rose Kabagyenyi, the Ministry of Water and Environment and in Particular National Water and Sewerage Corporation is aware of the situation in Kisoro District like other parts of the country and has been putting in place measures to address the situation.

### **1.0 Situation Analysis:**

National Water and Sewerage Corporation took over management of Kisoro water supply and sewerage services from a private operator in July 2013 and later on the water supply scheme for Bunagana Boarder Town in 2015, which had some major operational challenges due to dried-up borehole source.

### **2.0 Description of water supply scheme:**

The water supply system at the time of takeover comprised of the following:

- Chuho Water Treatment Plant of capacity 770, 000 litres/day from where water is pumped to two reservoirs on Kisoro hill of total capacity 600,000 liters and a reservoir at Mutolere parish of capacity 45,000 litres

- From Kisoro hill reservoirs water is supplied to Kisoro town by gravity and part of the water is pumped to a 600,000 litre capacity Karambi reservoir using a booster pumping station of capacity 35,000 litres/hour installed at Kisoro Reservoir site.
- From Karambi Reservoir water gravitates to a number of high altitude areas including Nyarusiza Sub-county. At Nyarusiza sub-county, water is boosted from Nyarusiza Booster Station I to Nyarusiza Booster Station II where water is pumped to Nyarusiza Reservoir of capacity 100,000 liters that supplies Nyarusiza Sub-county and parts of Muramba sub-county.
- From Mutolere Parish reservoir water gravitates to Mutolere village and parts of Nyakabande sub-county.

### **Sewerage system**

- Kisoro town has a sewerage system where sewerage was treated using lagoons that had malfunctioned and had become a major source of nuisance to the town dwellers

At the time of takeover from the private operator, many communities within the Kisoro water supply area were not receiving supply with exception of the then Kisoro Town Council and a few neighboring areas due to the limited capacity of the water supply infrastructure and unreliable power supply.

### **3.0. Water and sewerage services improvement measures undertaken since takeover by NWSC:**

#### **3.1 Completed improvement measures:**

Since the takeover of the management of the Kisoro water and sewerage scheme in 2013 and Bunagana Boarder Town water supply scheme in 2015, the corporation has implemented the following interventions:

- Upgraded the capacity of the Water Treatment Plant at Chuho from 770,000 litres/day to 2,200,000litres/day
- Installed standby Generator at Chuho to optimize production at the water treatment plant.
- Upgraded the Booster station at Kisoro hill from 330,000litres/day to 770,000litres/day
- Laid 2km water main interconnection from Chuho water distribution system at Maziba to Bunagana system to alleviate the water situation Bunagana due to dried up borehole source.
- Undertook a total of 14km of water mains extensions to some villages in the sub-counties of Nyakabande, Nyarusiza, Chahı, Nyakinama, Mulamba and Kisoro Municipality.

- Upgraded water supply system for Mutolere through installation of high capacity pump at Chuho, construction of 160,000 litre capacity tank at Mutolere Parish hill and expansion of water transmission and distribution system to adequately serve Mutolere village and parts of Nyakabande and boost supply to some parts of Kisoro Municipality.

### **3.2 On-going improvement measures:**

The Corporation, using internally generated financial resources, is in the process of implementing the Nkanka Water Supply project which aims at providing long-term solution to water supply challenges of Kisoro. This project is being implemented in a phased approach:

#### **Phase 1:**

Phase 1 of the project is expected to be completed within six months and comprises of the following key outputs:

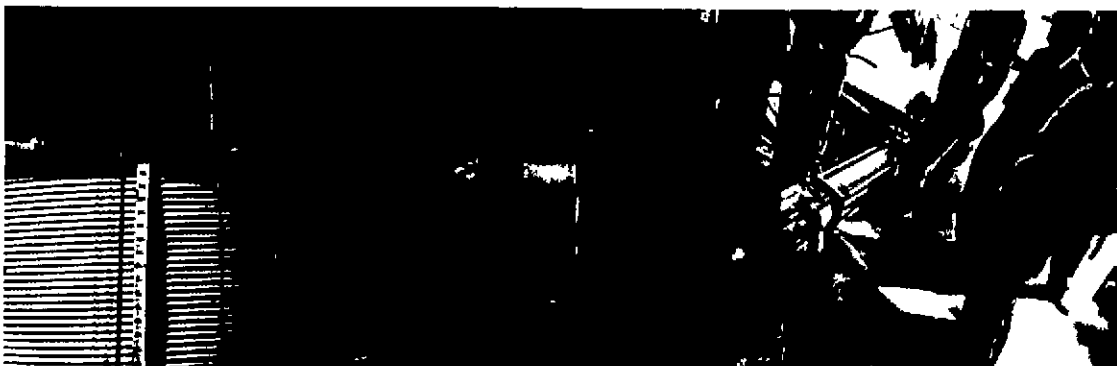
- Construction of Water Treatment Plant at Nkanka in Nyaburye Sub-county of capacity 3,000,000litres/day
- Laying of 6.5km of water transmission main of 200mm diameter size from Nkanka Water Treatment Plant to Ruko hill
- Construction of water reservoir at Ruko hill of capacity 260,000 litres.
- Interconnection of the New Nkanka system with the old Chuho water supply system and laying of 2km of distribution main.

#### **Phase 2**

Phase 2 of the project is expected to be completed by June 2020 and comprises of the following key outputs:

- Laying 20km of water distribution mains to supply sub-counties of Nyaburye, Nyaruzisa, Mulamba and parts of Kisoro Municipality  
Installation of water booster at Maziba and upgrading Nyarusiza water
- Laying 20km of water distribution mains to supply sub-counties of Nyaburye, Nyaruzisa, Mulamba and parts of Kisoro Municipality
- Installation of water booster at Maziba and upgrading Nyarusiza water booster stations I and II and increasing the storage capacity Nyarusiza.

**Note: Pictures taken at various Project sites in Kisoro**



### **3.3 OTHER WATER SUPPLY ACTIVITIES OUTSIDE KISORO TOWN**

- I. The Ministry has extended the Kisoro town water supply system to serve Gasiiza growth Centres of Kabale, Gasiiza TC, Mubanda, Mugwata, Buhangura, Nyagihange, Matyazo and Park TC in Nyarusiza Sub-County.
- II. Implemented remedial works on the Rubuguri system as a short term intervention as the ministry plans to expand the system in order to meet the future demand.
- III. Through South Western Umbrella of Water and Sanitation (SWUWS) is doing some rehabilitation works on the Karenganyambi Water Supply and Sanitation System still within Rubuguri, in addition to also rehabilitating Mwihe A and Mwihe B systems.

### **3.4 Planned Activities for Increasing Access in Kisoro District by the Ministry of Water and Environment**

The Ministry has planned the following projects that will be able to increase on the coverage within Kisoro District:

- I. Continued management of the water systems including Rubuguri, Karenganyambi, Mwihe A, Mwihe B, Kinanira, etc.
- II. Construction and extension of Chuho Piped Water Supply System to serve parts of the sub-counties of Nyarusiza and Muramba in addition to increasing water supply coverage in Kisoro Municipality.
- III. Construction of Nkanka Water Source to increase on water availability that will make it possible to serve the sub-counties of Nyarusiza, Muramba, Nyakabande, Chahi, Kanaba in addition to Chuho Water Source. This shall be interconnected to the Chuho system to improve on the reliability in all areas supplied from Chuho Spring.
- IV. Construction of Gifumba, Kateriteri and Mufumba Water Supply and Sanitation System which is located in Bufumbira East Constituency. Considering that the terrain of this area is very steep, there was a need to establish a possible intervention for this particular area.

- V. Rehabilitation of Kaberanyuma Water Supply System in addition to the Water resources assessment and identification that would be able to meet the current and future demand.
- VI. Development and construction of the water supply system using ground water at Gihuranda. This will include assessment, design and construction of the water supply system so as to meet the water demand for the community within the area.
- VII. Construction and expansion of Rubuguri Water Supply and Sanitation System as the long term intervention. This will improve on the production capacity and the ability of the system to meet the current and future demand.
- VIII. Construction of Gahamagariro Gravity Flow Scheme. This system has never been implemented and once constructed, it will be able to solve the water challenges in the area for the current and future water demand
- IX. Pumping water from Lake Bunyonyi to Karengyere and gravitating it to the sub counties of Bukimbiri, Kashenyi, Nyanama, Kanaba and beyond.
- X. Rehabilitation and expansion of the existing 12 Gravity Flow Schemes which exist within the different Sub – Counties in the District.
- XI. Utilizing other existing water sources such as Lake Murehe and Lake Mutanda to supply water to the adjacent communities.
- XII. For scattered homesteads where all the above piped schemes cannot provide water supply, the ministry is planning to support the different communities so that they can consider use of Rain Water Harvesting facilities since the terrain in some of the areas cannot permit laying of pipelines in the area.

### **3.5 Progress on the Planned Activities for Increasing Access in the District**


The Ministry of Water and Environment has so far hired a Consultant to design/redesign the respective water supply systems. The consultant is

therefore expected to start work in June 2018. The systems being designed under this consultancy include:

- I. Redesign of Chuho Piped Water Supply System to serve parts of the sub-counties of Nyarusiza and Muramba in addition to increasing water supply coverage in Kisoro Municipality.
- II. Re-design and development of Nkanka Water Source to increase on water availability. This shall be interconnected to the Chuho system to improve reliability in all areas supplied from Chuho Spring.
- III. Design of Gifumba, Kateriteri and Mufumba Water Supply and Sanitation System which is located in Bufumbira East Constituency.
- IV. Design of Kaberanyuma Gravity Flow Scheme (GFS) which shall include the rehabilitation of the system.
- V. Design and development of the water supply system to supply piped water to the people of Gihuranda using ground water/production well at Gihuranda.
- VI. Re-design of Rubuguri Water Supply and Sanitation System which will provide for its rehabilitation.
- VII. Design and development of Gahamagariro Gravity Flow Scheme.

#### 4.0. Conclusion

- The terrain of Kisoro coupled with limited water infrastructure presents a major challenge in delivery of water and sewerage services.
- In spite of the above challenge, the sector has made great strides in improving access to water supply focusing on the principle of ***“some of all not all for some”*** hence the reason why water is being rationed in Kisoro.
- The long-term measure highlighted will go a long way ensuring reliable water supply to the population within the Kisoro and Bunagana water supply areas and the district at large.



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Hon Sam Cheptoris  
**MINISTER OF WATER AND ENVIRONMENT**