

### URBAN WATER AND SEWERAGE DEPARTMENT WATER MANAGEMENT AND DEVELOPMENT PROJECT

The Water Management and Development Project (WMDP) is being implemented by the Government of Uganda (GoU) through the Ministry of Water and Environment (MWE) for small towns and rural growth centres. The project is being financed by GoU with support from the World Bank through the International Development Association (IDA).

The Directorate of Water Development under MWE through the Urban Water and Sewerage Department is implementing Component 2, Sub-Component 2.2 of WMDP whose main objective is to construct, improve and expand water supply infrastructure and sanitation/sewerage services in the project towns of **Rukungiri, Katwe-Kabatoro, Koboko, Pallisa and Kumi-Nyero-Ngora**.

The interventions within the project towns include;

1. Construction of new, rehabilitation and expansion of water Supply Systems,
2. Sanitation Improvements through construction of public toilets, faecal sludge treatment plants and community mobilization and sensitization,
3. Water Source Protection through community mobilization, sensitization and demarcation of buffer zones through installation of pillars, sign boards and tree planting.

#### PROJECT PROGRESS AND EXPECTED BENEFICIARIES

To date, the project has constructed and handed over eight public toilets in Koboko, Rukungiri and Katwe-Kabatoro.

Construction of the water supply and Sanitation systems (WSS) is ongoing in all the towns and will be completed by December 2018. The expected beneficiaries and progress of construction works is as below;

WSS	Commencement	Progress	Beneficiaries (2040)
Rukungiri	July 2016	85%	163,017
Katwe-Kabatoro	July 2016	99%	29,867
Koboko	July 2016	93%	109,211
Pallisa	April 2017	90%	121,513
Ngora-Nyero-Kumi	April 2017	95%	153,465

#### KOBOKO WSS

Water will be abstracted from R. Kochi and treated at a conventional water treatment plant and distributed as below;

Item	Koboko
Transmission	DN 180 uPVC PN 10, DN 300 DI Class 40 bars & DN 250 DI Class 40 bars
Reservoir	700m <sup>3</sup>
Distribution	41.48 km 50mm to 110mm (HDPE)
Domestic Connections	204
Public stand posts	45



Intake structure for Koboko Water Supply



Water flowing in the fine screen/ Aeration at Water treatment plant in Koboko



Clariflocculator at the Water treatment plant in Koboko.



Public toilet in Koboko already in use



Casted concrete base and starter walls of the reservoir at Terremunga hill- Koboko

#### RUKUNGIRI WSS

Water will be abstracted from R. Kahengye and treated at a conventional water treatment plant and water pumped and distributed through the components below;

Item	Rukungiri
Transmission	2.74km raw water main OD 225 uPVC PN 16 and 4.99km Pure Water Pumping main (DN 350 DI C40) and 19.85km Pure Water Gravity mains (OD 450 - 250 uPVC PN10) , 5.12km of gravity main OD 160 – 225 uPVC PN10)
Reservoir	700m <sup>3</sup> at Mukazi hill
Distribution	13km OD 90 – 75 HDPE PN 10
Domestic Connections	309
Public stand posts	21



Intake works at River Kahengye - Rukungiri



Equalisation tank and Sludge Thickener at the Water Treatment Plant - Rukungiri



Public toilet in Rukungiri

#### KATWE-KABATORO WSS

Water will be abstracted from River Lhubiria and treated using aeration & fine screen, filtration & disinfection. The water will then be distributed by gravity as follows;

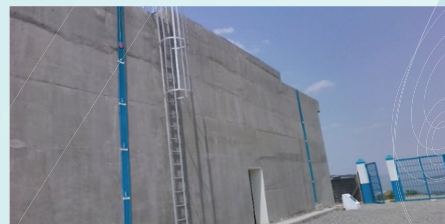
Item	Katwe-Kabatoro
Transmission	42.43km OD 280 – 160 mm uPVC & HDPE PN16-25
Reservoir	400m <sup>3</sup>
Distribution	3.9km OD 20-90 mm PN 10 uPVC
Domestic Connections	200



Completed Water Treatment Plant for Katwe-Kabatoro Water Supply and Sanitation



SCADA system for WTP automation for Katwe-Kabatoro Water Supply system



Completed reservoir tank in Katwe-Kabatoro



Completed water office in Katwe-Kabatoro

#### NGORA-NYERO-KUMI WSS

Water will be abstracted from River Agu and treated at conventional water treatment plant and distributed as below;

Item	Ngora	Nyero	Kumi
Transmission	13km DN 350 pumping main and		17.5km OD 315
Reservoir	Rehabilitation 280m3 on dwarf walls	200m3 on 12m high steel tower	500m3 on 12m high steel tower
Distribution	27km (OD 225 – 63 UPVC/HDPE)	29km (OD 225 – 63 UPVC/HDPE)	40.6km (OD 225 – 63 UPVC/HDPE)
Domestic Connections	400	200	400
Public stand posts	20	20	20



Intake well and walkway for Ngora-Nyero-Kumi



Chemical House at the Water Treatment Plant in Ngora-Nyero-Kumi WS



Aerator and Flocculator at the Water Treatment Plant



Dwarf walls completed on Obuku rock in Ngora awaiting installation of reservoir tank and fittings

#### PALLISA WSS

Water will be abstracted from Lake Lemwa, treated at a conventional water treatment plant and distributed as below;

Item	Pallisa
Transmission	3,177m of UPVC OD 110 PN 16 pumping main and 9,050m of UPVC OD 280 PN16
Reservoir	Pallisa Town Reservoir (1,200m3) Kasodo Tank (150m3)
Distribution	200m of HDPE (OD90), 51,334m of UPVC (OD 315-110) pipe
Domestic Connections	500
Public stand posts	20



One of the pump houses and clear water tank for Pallisa WSS



Kasodi reservoir for Pallisa WSS



Horizontal rock filter, one of the components of the Faecal Sludge Treatment Plant in Pallisa



Staff houses for the Water treatment plant operators for Pallisa WSS