



## **REPUBLIC OF KENYA**

### **MINISTRY OF WATER, SANITATION AND IRRIGATION**

#### **TANATHI WATER WORKS DEVELOPMENT AGENCY**

### **BRIEF ON MAVOKO DRINKING WATER SUPPLY PROJECT**

#### **INTRODUCTION**

The Government of Kenya through Tanathi Water Works Development Agency is implementing Mavoko Drinking Water Supply Project funded by the Government of Kenya and Belfius Bank of Belgium

The project main achievement is the increase of service delivery from 3hours to 24 hours by increasing the treated water supply from 3,000m<sup>3</sup>/day to 12,000m<sup>3</sup>/day. The existing connections are 9,500. The project targets 20,000 connections (500,000 people) which is a mix of Domestic, Commercial, Institutional and Industrial.

#### **Status on Construction of Mavoko Drinking Water Supply Project**

The Contract for construction of Mavoko Drinking Water Supply Project was signed on 17<sup>th</sup> November 2017 between the Government of Kenya and the Contractor ASPAC International for a period of 30 Months with the completion date set on 18<sup>th</sup> August 2020. The Contractor was granted an extension due to several challenges on site.

The project currently is 100% complete and most of the components have been tested and operational.

#### **Program Budget and funding arrangement**

Total Cost for the project is Kshs 2.8 Billion as follows:

- Component A: Soft Credit of €10.0 million
- Component B: Commercial Loan of approx. €15.48 million

### ANNEX1 – MAIN PROJECT COMPONENTS

Description	Work status	Remarks
Engineering/Detailed Designs	Complete	
Procurement of materials and equipment	Complete	Completion Certificate awarded to Contractor
New Mavoko water treatment plant of 12,000m <sup>3</sup> /day	All works complete. Testing of Electromechanical works has been done.	The treatment plant is operational
Rehabilitation and de-silting of EAPCC dam (900,000m <sup>3</sup> )	<p>Rehabilitation of dam wall complete and <b>40,000m<sup>3</sup></b>desilted.</p> <p>Pump house reinforced concrete foundations and walling complete. Superstructure columns, walling, roof slab and installation of the pumps is complete</p>	The dam intake works is operational

Description	Work status	Remarks
Raw water pumping main EAPCC - WTP, OD 250, 3.6 km	Pipe laying complete including bends, thrust blocks, washouts, air valves, roads and railway crossings, pressure testing and chambers.	The pipeline is operational
Rehabilitation and de-silting of KMC dam ( <b>1,200,000M3</b> ) and construction of new pump house.	Rehabilitation of dam wall complete and <b>75,000m<sup>3</sup></b> desilted. Pump house reinforced concrete foundations and walling complete. Superstructure columns, walling, roof slab and installation of the pumps is complete.	The dam intake works is operational
Raw water pumping main KMC - WTP, OD 400, 6.2 km	6.2km pipe laying is 100% complete including bends and thrust blocks, roads	The line is operational

Description	Work status	Remarks
	and railway crossings.	
Construction of 1No. 4,500 m <sup>3</sup> RC storage tank, 1 No. 300 m <sup>3</sup> capacity, 15 m high elevated tank and Pumping Station at Syokimau	<p>Reinforced concrete works for storage tank complete with pipework including inlet, outlet and overflow chambers. Elevated tank complete and tested. Pipework in progress. Pump house construction complete</p> <p>Electrical and Mechanical works are complete</p>	The tanks have been tested.
Rehabilitation of Lukenya and Kiima Kiu Tanks – 3000m <sup>3</sup>	Rehabilitation of tank is complete. Refurbishment of faulty fittings is complete.	The tanks have been tested.

<b>Description</b>	<b>Work status</b>	<b>Remarks</b>
Rehabilitation of Salama pump station and Nol-Tureshpipeline (pumps, panel, valves and fittings) to supply 1,000m <sup>3</sup> /day,	Installation of pumps and control panels complete	Installation of the pumps is complete
Independent line from Nairobi Water Company to supply 5,000m <sup>3</sup> /day,  <i>(Construction of the 13km pipeline affected by proposed construction of the Nairobi Express Way)</i>	Supply of pipes and fittings completed. Site possession affected by Nairobi Expressway project.	Relocation of pipeline is complete.
<b>Overall Progress</b>	<b>Over 100%</b>	