

**THE UNITED REPUBLIC OF TANZANIA  
MINISTRY OF WATER**



Re - Advertisement

**Tender No. ME-011/2018-2019/W/01**

**For**

**CONSTRUCTION OF MUGANGO-KIABAKARI-BUTIAMA WATER SUPPLY PROJECT  
TOWNSHIP**

1. The Government of the United Republic of Tanzania (GoT) has received a loan from the Arab Bank for Development in Africa (BADEA) and Saudi Fund for Development (SFD) towards improvement of water supply services in Mugango/Kiabakari/Butiama Project area. The Project Covers Mugango, Kiabakari and Butiama areas which consists of existing 13 villages that are being served by the existing scheme.
2. The Implementation of the Urban Water Supply and Sanitation Project (UWSSP), which is based on the National Water Policy (NAWAPO), is part of the national effort to reduce poverty, improve the health and quality of life for the urban population. It is purposely designed to enable the Government achieve its National Strategy for Economic Growth and Reduction of Poverty (NSGRP-MKUKUTA) targets and the country's MDGs

**Scope of Works**

3. The Government of the United Republic of Tanzania (GoT) has identified access to sustainable safe and clean water and sanitation services as one of the pillars of its poverty reduction strategy. It is the overall policy objective of the GoT that improved delivery of Water Supply and Sanitation Services contributes towards poverty reduction. The National Strategy for Growth and Poverty Reduction (NSGRP), which is a second national organizing framework for putting the focus on poverty reduction high on the country's agenda, recognizes the central role of social service sectors in achieving the overall development goal of improving the quality of life and social well being of the people.

Tanzania is committed to achieving the Millennium Development Goals (MDGs) and World Summit on Sustainable Development (WSSD) targets on the water and sanitation services. In consideration of the MDGs and WSSD targets, Tanzania is striving to provide access to safe drinking water and improve sanitation.

The Project area lies between latitude 10 54' 51.64" to 1038' 50.3" south of equator and longitude 33032' 19.11" to 340 10' 07.9" East of Greenwich. It is also lying between

1138m and 1559m above sea level and is surrounded by several hills Musoma Rural and Butiama districts are located in Mara region.

The project area covers a total of 13 villages that are currently being surveyed by the existing scheme.

The scope of the Project includes construction of: intake structure at Mugango- Lake Victoria Shore, pumping stations, water treatment plant, transmission pipelines, storage tanks, distribution pipes network, water kiosks and cattle troughs.

The followings are the detailed components or the project

#### **i. Civil Works**

- Construction of intake structure at Mugango as per drawings and specifications
- Construction of fully functional Conventional Treatment plant with capacity of  $16,625\text{m}^3/\text{day}$  (as per drawings and specifications)
- Construction of clear water reservoir at Mugango ( $2,400\text{m}^3$ ) as per drawings and specifications
- Construction of office, Pump Attendant houses/buildings at Mugango pumping station as per drawings and specifications
- Construction of Water Transmission mains with total length of 48 Km and diameter ranging from (200-600) mm
- Construction of Water storage tanks at Kong ( $500\text{m}^3$ ), Kiabakari ( $100$  and  $3000\text{m}^3$ ), Butiama hill ( $2,500\text{m}^3$  (and  $1,000\text{m}^3$ ) at Bumangi as per drawings and specifications.
- Rehabilitation of Existing tanks at Kyatungwe ( $135\text{m}^3$ ) and Bisarye ( $135\text{m}^3$ )
- Construction of 40 Nos of Kiosks Water
- Construction of Distribution network (Primary and secondary lines for the existing project area (13 villages), as per drawings and specifications with total length of 140 km.
- Supply of 2,000 Customer meters

ii. **Electromechanical Works: Mechanical**

1. Low lift pump station (Raw water pumps) as per specifications, the work includes:
  - Installation of new pumps (2 duty + 1 Stand by) – End-Suction – Vertical installation with a capacity  $687\text{m}^3/\text{hr}$ - 20m head.
  - Installation of new motorized gate valves.
  - Installation of new valves, NRV's, Dismantling pieces, Headers and all other accessories.
  - New Overhead crane.
  - Instrumentations and protections.
  - EMFM.
2. High lift pump station (To Kiabakari tank) as per specifications, the work includes:
  - Installation of new pumps (2 duty + 1 Stand by) – Multi Stage Pumps with a capacity  $523\text{ m}^3/\text{hr}$ - 310m head.
  - Installation of new motorized gate valves.
  - Installation of new valves, NRV's, Dismantling pieces, Headers and all other accessories.
  - Instrumentations and protections.
  - EMFM.
3. Back wash pumps as per specifications, the work includes:
  - Installation of new pumps (1 duty + 1 Stand by) – End suction- Horizontal Pumps with a capacity  $540\text{ m}^3/\text{hr}$ - 13 m head.
  - Installation of new motorized gate valves.
  - Installation of new valves, NRV's, Dismantling pieces, Headers and all other accessories.
  - Instrumentations and protections.
  - EMFM.
4. Kiabakari Booster station as per specifications, the work includes:
  - Installation of new pumps (2 duty + 1 Stand by) – End-Suction with a capacity  $333\text{ m}^3/\text{hr}$ - 225m head.
  - Installation of new motorized gate valves.

- Installation of new valves, NRV's, Dismantling pieces, Headers and all other accessories.
  - New Overhead crane.
  - Instrumentations and protections.
  - EMFM.
5. Butiama Booster station as per specifications, the work includes:
- Installation of new pumps (1 duty + 1 Stand by) – End-Suction with a capacity 164 m<sup>3</sup>/hr- 95 m head.
  - Installation of new motorized gate valves.
  - Installation of new valves, NRV's, Dismantling pieces, Headers and all other accessories.
  - New Overhead crane.
  - Instrumentations and protections.
  - EMFM
6. Water Treatment Plant, the work includes:
- Valves and piping works for Inlet chamber.
  - Valves, Weir and piping works for Cascade Aeration.
  - Valves and piping works for Flocculation and Clarifier Tank.
  - Valves, Motorized valves, Weir, Fittings, instrumentation and piping works for Rapid Gravity Sand filter.
  - Valves, pumps and piping works for Sludge sedimentation tank.
  - Mechanical works for drying beds.
  - Backwash system.
  - Chemical and dosing system
7. Mechanical works for the reservoirs includes; Isolating valves, float valves, fittings, pipe pieces...etc.
1. **Electrical:**
2. Raw Lift Intake
- 0.4/0.23kV 50Hz motor control center equipped with PLC.
  - Cabling and instrumentation.
  - Small power and lighting.
3. High Lift Pumping Station & Substation
- One transformer 1.25MVA 33/0.4/0.23KV 50Hz
  - Two transformer 3.15MVA 33/3.3KV 50Hz.
  - Medium voltage switchgear33/36KV.

- High voltage power supply including (cables, surge arrestors, fuses,...etc.)
  - 3.3kV 50Hz motor control center equipped with PLC.
  - Cabling and instrumentation.
4. Water Treatment Plant
- Motor Control Centre (MCC).
  - Power and signal cables.
  - Chemical building small power and lighting.
  - Electrical services for Utility Office Building.
  - Electrical services for Administration Office Building.
  - Electrical services for Guard House and Staff Houses.
5. Kiabakari Booster Pumping Station
- Two transformer 1.25MVA 33/0.4/0.23KV 50Hz
  - 0.4/0.23kV 50Hz motor control center equipped with PLC.
  - High voltage power supply including (cables, surge arrestors, fuses ...etc.)
  - Cabling and instrumentation.
  - Small power and lighting.
6. Butiama Booster Pumping Station
- One transformer 315KVA 33/0.4/0.23KV50Hz
  - 0.4/0.23kV50Hz motor control center equipped with PLC.
  - High voltage power supply including (cables, surge arrestors, fuses etc.)
  - Pump house-small power and lighting.
  - Cabling and instrumentation.

4. Tendering will be conducted through Restricted Competitive Bidding specified in the Public Procurement Act No. 7 of 2011 and its Regulations G.N No. 446 of 2013 read together with its amendments of 2016. A Bidder must be Arab, African or Arab – African joint venture and is open to all tenderers from eligible source countries, as determined by BADEA Guidelines.
5. Interested eligible tenderer may obtain further information from and inspect the tender documents at the Ministry of Water Office at **the Secretary Ministerial Tender Board, Ministry of Water**, Email: [pmu@maji.go.tz](mailto:pmu@maji.go.tz) during office hours **from 8.00 to 15:30 from Monday to Fridays** inclusive except on public holidays at the address given below **P. O. Box 456, Kolon Building Opposite DUWASA Head Office, PMU Office, 40473 Dodoma** from 08.00 to 15.30.
6. A complete set of tender documents in English may be purchased by interested Applicants on the submission of a written application to the address below and upon payment of a non refundable fee of Tanzania Shillings Five Hundred Thousand (TZS 500,000/-) or the equivalent in a freely convertible currency. Payment shall be made through the electronic payment system therefore interested bidders are invited to collect the Control number for effecting the payment.
7. All Tenders in One (1) Original plus three (3) copies, properly filled in and enclosed in envelope, must be delivered to the **Secretary, Ministerial Tender Board, Ministry of Water, P. O. Box 456, Kolon Building Opposite DUWASA Head Office, PMU Office, 40473 Dodoma** at or before **5<sup>th</sup> May, 2020 at 11:00 hour's local time**. Tender will be opened promptly thereafter in Public and in the presence of Tenderers' representatives who choose to attend the opening ceremony.
8. All tenders must be accompanied by a Bid Security in acceptable form in amount of United State Dollars 500,000 (Five Hundred Thousands United State Dollars) (in local currency or freely convertible currency) in the format provided in the bidding document. Bid security must be addressed to Permanent Secretary, Ministry of Water, P. O. Box 456 Dodoma.
9. Late tenders, portion of tenders, Electronic tenders and tenders not received, tenders not opened in the ceremony will not be accepted for evaluation irrespective of circumstances
10. Each individual Applicant will bear all costs and expenses associated with the preparation and submittal of the tender documentation, including any supplemental information that may be provided or requested. In no case will the contracting Agency, BADEA, SFD or MoW are liable for such costs, expenses, or losses relating to the submission of the tender information, regardless of the conduct or outcome of this tender process.

The address (es) referred to above is (are):

**Post Address:**

The Secretary Ministerial Tender Board  
Ministry of Water,  
Government City,  
Maji Street,  
P. O. Box 456,  
**Dodoma**, Tanzania.

E-mail: [pmu@maji.go.tz](mailto:pmu@maji.go.tz)

**Physical Address:**

The Secretary Ministerial Tender Board  
Ministry of Water,  
Kolon Building PMU Offices,  
Chimwaga Road,  
**Dodoma**, Tanzania

**PERMANENT SECRETARY  
MINISTRY OF WATER**