



LESOTHO

SIX TOWNS WATER SUPPLY AND SANITATION MASERU

PHASE I-II, STUDY AND DESIGN FOR 6 TOWNS
PHASE III, SUPERVISION FOR 3 TOWNS



Existing public tap, Roma

Client Water Supply and Sewerage Authority (WASA), Maseru

Financing European Union (EU)

Duration of Services Phase I – II
 10/2003 – 12/2007

Phase III
 06/2008 – 06/2011

DLP
 02/2011 – 02/2012

Cost of Implementation 25 000 000 EUR

Project Value Phase I – II
 600 000 Euro

Phase III
 1 338 170 Euro

Scope of Services

Phase I-II, Study and Design

- Review of existing studies
- Basic data assessment
- Updating of Feasibility Study
- Preparation of final design
- Assessment of investment, O&M costs
- Preparation of tender documents based on FIDIC
- Evaluation of tenders
- Review and approval of Contractor's design
- Assistance in Contract negotiations

Phase III, Supervision

- Supervision of Construction works as Engineer according to FIDIC
- Progress and cost monitoring
- Testing and commissioning
- Institutional strengthening and capacity building
- Training of operators and attendants, O+M and supply of maintenance tools and spares, chemicals and other consumable materials

Brief Project Description

The general objective of the Six Towns Water Supply and Sanitation Project is to improve the insufficient water supply and sanitation situation by means of rehabilitation and demand-reflecting extension of water supply and sewage facilities in the lowlands, including boreholes, transmission mains, reservoirs and tanks, water treatment plants, distribution networks, sewerage, sewage treatment plants and treatment of industrial wastewater.

Construction and commissioning of the following civil/mechanical/electrical works for water supply and sanitation facilities in various sites in the Lesotho lowlands:

- **Maputsoe:** rehabilitation of 4 boreholes and sub-surface abstraction, equipment of 3 production boreholes and development of 2 additional sub-surface abstraction well fields; construction of 9,00 m³ and 82 m³ reservoirs; installation of approx. 6 km of pipes of different materials D 50-600 including yard connections; provision of pumps and motors and installation of high and low voltage power lines, rehabilitation and de-sludging of existing WWTPs including fencing, access roads etc., construction of additional sludge and stabilization ponds at Ha Nyenye; installation of nearly 2. km of sewer gravity pipeline uPVC D 250 complete with manholes
- **Mapoteng:** duplication of gravity main D 150, approx. 2 km; new outlet pipes DN 110-150, approx. 1.75 km; rehabilitation and de-sludging of existing WWTP including fencing, access roads etc, construction of additional sludge ponds; installation of sewer gravity pipeline uPVC DN 200 complete with manholes
- **Teyateyaneng:** rehabilitation of existing sub-surface abstraction; rehabilitation of St. Agnes well field including supply of pumps and equipment; development of a new well field including 4 boreholes and a high lift pumping station, construction of two reservoirs of 5,000 and 3,000 m³; installation of approx. 19 km of pipes of different materials, provision of pumps and motors and installation of high and low voltage power lines, rehabilitation and de-sludging of existing WWTP including construction of additional sludge pond
- **Morija:** development of well fields including 9 new boreholes; construction of 4 new reservoir (530 m³); installation of approx. 28.9 km of pipes of different materials; construction of 3 pump stations including pumps and motors, installation of high-/low voltage power lines; rehabilitation / de-sludging of existing WWTP including construction of additional sludge pond
- **Roma:** development of well fields including 12 new boreholes; construction of reservoir (400 m³); installation of approx. 21 km of pipes of different materials; construction of 2 pump stations including pumps and motors, installation of high-/ low voltage power lines; rehabilitation / de-sludging of existing WWTP including fencing, access road, construction of additional sludge pond and new stabilization ponds for the treatment plant of the university
- **Quthing:** rehabilitation of existing sub-surface abstraction; rehabilitation of existing WTP; development of a new well field including 4 boreholes and high-lift pumping station; construction of 5 reservoirs of total 470 m³; installation of approx. 62.3 km of pipes of different materials; construction of 3 pumping stations including provision of pumps and motors, installation of high-/low voltage power lines; rehabilitation / de-sludging of existing WWTP including construction of additional sludge and stabilization ponds



Pumping station at Quthing water treatment plant



Existing public tap in Thaba Bosin

Implementation of proposed projects takes place in Phase III for 3 towns only, which are Maputsoe, Teyateyaneng and Roma. The Consultant provides supervision services for all 3 towns.