



## LESOTHO

### MASERU WASTEWATER PROJECT MWWP CONTRACT S3



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| <b>Client</b>                 | Water Supply and Sewerage Authority (WASA), Maseru                                | <b>Scope of Services</b>   |
| <b>Financing</b>              | European Investment Bank EIB, ACP-EU Water Facility and the Government of Lesotho | <ul style="list-style-type: none"> <li>• Preparation of Detailed Design and Tender Documents               <ul style="list-style-type: none"> <li>– Review of previously completed Feasibility Study</li> <li>– Updating of information from other relevant engineering and socio-economic reports</li> <li>– Review of Estimated Investment Costs, recommendation of estimated level of works that can be implemented within the allowable budget</li> <li>– System reconnaissance and detailed appraisal of system capacities, preparation of final design</li> <li>– Incorporation of relevant outcomes of ESIA,</li> <li>– Preparation of Tender Documents (FIDIC)</li> </ul> </li> <li>• Assistance in Tendering Process               <ul style="list-style-type: none"> <li>– Evaluation of bids</li> <li>– Assistance in Contract negotiations</li> </ul> </li> <li>• Supervision of construction works as “Engineer” according to FIDIC               <ul style="list-style-type: none"> <li>– Progress and cost monitoring</li> <li>– Testing and commissioning</li> </ul> </li> <li>• Technical assistance during Defects Liability Period</li> </ul> |
| <b>Duration of Services</b>   | 04/2008 - 12/2011   |  |
| <b>Cost of Implementation</b> | 28,566,000 Euro   |  |
| <b>Consulting Fees</b>        | 1,914,310 EUR   |  |

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## Brief Project Description

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### Objectives of the project

The project aims at developing the mid-term strategy for the provision of a modern, environmental friendly system of wastewater collection and treatment within the administrative boundaries of Maseru, the capital of Lesotho. The project consists of rehabilitation and extension measures for the improvement of the wastewater collection, treatment and disposal systems in town areas where a piped sewerage system exists or proves justified.

### Detailed scope of works and essential data on the project

- The works will be implemented in two catchment areas, namely Ratjomose and Agric College, and comprises the following components:
- Rehabilitation, extension and upgrading of Ratjomose Wastewater Treatment Plant to a capacity of 15,000 m<sup>3</sup>/d,
- Ratjomose catchment area sewerage rehabilitation, infilling and extension including re-equipment of 12 existing pumping stations and construction of some 1,000 new house connections,
- Construction of new Agric College Wastewater Treatment Plant of 3,900 m<sup>3</sup>/d capacity,
- Construction of new sewerage system for Agric College catchment area including construction of 3 new pumping stations for raw sewage and collection of 250 m<sup>3</sup>/d sewage effluent from a number of institutions and transfer by bulk pumping sewer to the proposed Agric College WWTP,
- Some 5,000 new house connections in the Agric College catchment area, serving an additional 10,000 to 20,000 inhabitants,
- Construction of on-site sanitation facilities (VIP latrines) for households without water closets or in-house connections.

The detailed engineering designs, cost estimates and tender documents will be prepared in lots as follows:

- Construction of wastewater treatment plants and pumping stations,
- Construction of sewerage systems and connections,
- Construction of on-site disposal systems.

The first two construction contracts will be supervised by the Consultant while WASA shall supervise the construction of on-site disposal facilities. The contractor for construction of the WWTPs will be obliged to operate the plants for a period of 10 years after successful commissioning.



The post construction technical assistance includes environmental and performance monitoring during initial operation and the superintendence during the 12 months defects liability period after substantial completion.

Existing Ratjomose WWTP – trickling filters and sludge digesters