



MINISTRY OF WATER AND IRRIGATION

KENYA WATER SECURITY AND CLIMATE RESILIENCE PROJECT (KWSCR-2) (COASTAL REGION WATER SECURITY AND CLIMATE RESILIENCE PROJECT)

TERMS OF REFERENCE

PROJECT ENGINEER - COAST

(PP Ref. C304)

1. Introduction and Context

Transforming Kenya's water sector to achieve water security and climate resilience for economic growth and development requires a dedicated, long-term commitment, but at the same time a practical approach that addresses the needs in a realistic manner. Furthermore, the enormous challenges related to reversing the massive water sector investment gap and transitioning through a potentially complex reform process require a comprehensive, multi-pronged approach that addresses key infrastructure, institutional and information limitations in order to put Kenya on a solid development path. The design of Kenya Water Security and Climate Resilience Program (KWSCR) reflects these needs by financing a critical investment and supporting the progressive enhancement of the water investment pipeline, while at the same time building an enabling legal and institutional foundation required to sustainably advance Kenya's investment program.

A sound water investment pipeline will be progressively built by addressing issues at several points in the investment planning, identification, preparation, implementation and operations process where critical limitations have been identified. Project design also recognizes that sustainability ultimately rests on a solid institutional and legal framework for the water sector.

2. Project Overview

The Government of Kenya through the Ministry of Water and Irrigation (MOWI) has received financing from the World Bank (IDA) in the form of a credit of US\$ 155 million toward the cost of Kenya Water Security and Climate Resilience Project (KWSCR-1).

This is the second operation under the program is the Coastal Region Water Security and Climate Resilience Project (KWSCR-2) in the form of a credit of US\$ 200 million will focus on significantly increasing access to water and sanitation in the coastal region and the Financing Agreement was signed in January 2015.

The Government intends to apply part of the proceeds to payments for consulting services to be procured under this credit.

Kenya Water Security and Climate Resilience Project (KWSCR) has two financing facilities: KWSCR-1 has 3 inter-related components supporting the project development objective: (i) water resources development; (ii) effective water sector institutions; and (iii) support for project implementation; KWSCR-2 has 2 main components supporting the project development objective: (i) Component 1 - Mwache Dam and Related Investments; and (ii) Component 2 - Kwale County Development Support. In addition, Component 3 - Project Management will support project implementation.

3. Institutional and Implementation Arrangements

MOWI will serve as the implementing agency of the project through the Project Management Unit (PMU). The PMU will report to the Principal Secretary (PS) for Water, MOWI, and will be granted a high degree of autonomy to ensure efficient implementation of the project, including through the application of rules, criteria, and procedures agreed with the World Bank. The PS, as the Accounting Officer of MOWI, has appointed the PMU as a procuring unit and has delegated financial management responsibilities to the PMU, within the Legal Framework stipulated in the procurement law of Kenya.

The core functions of the PMU will be coordination and facilitation, fiduciary oversight (procurement and financial management), environmental and social safeguards supervision, monitoring and evaluation (M&E) and impact evaluation, annual work programming and budgeting, and reporting. The PMU will undertake procurement, financial management, and reporting for all project activities. The PMU will also be responsible for supervising the implementation of the social and environmental safeguards instruments prepared for the project (the Environmental and Social Impact Assessment (ESIA) and Environmental and Social Management Plan (ESMP), the Resettlement Action Plan (RAP), the Vulnerable and Marginalized Groups Plan (VMGP), the Integrated Pest Management Plan (IPMP), Dam Safety Plans, etc.). In order to carry out these functions for KWSCR-2, the PMU will establish an office in the coastal region that is fully devoted to the implementation of the Project and ensure close coordination with the executing agencies.

Executing agencies will work closely with the PMU to execute Component 1 (Mwache Dam and Related Infrastructure), Component 2 (Kwale County Development Support) and Mombasa Non Revenue Water Reduction. The three agencies initially designated as executing agencies are the Coast Development Authority (CDA) for Component 1.1, the Kwale County Government for Component 2 and Mombasa Water Supply and Sanitation Company (MOWASCO) for the non-revenue water reduction. In order to ensure close coordination with the executing agencies and timely delivery of project activities, the PMU will establish an office in the coastal region that is fully devoted to the implementation of the Project and will most likely be co-located with CDA PIU.

4. Institutional Context

Ministry of Water and Irrigation (MOWI) is the implementing agency of the project through the Project Management Unit (PMU) whose core functions are coordination and facilitation, fiduciary (procurement and financial management), environmental and social safeguards supervision,

monitoring and evaluation (M&E) and impact evaluation (IE), annual work programming and budgeting, and reporting.

5. Objective of the Consultancy

Reporting to the PMU Coast Regional Coordinator the **Project Engineer - Coast** will assist in providing engineering input to the current KWSCRIP portfolio and to deliver on financing of infrastructure investment and preparation of sub-projects in line with the Project Implementation Manual.

Key Assignments

- a) Assisting in undertaking planning activities including preparation of reports thereof on water supply, irrigation and sanitation;
- b) Contributing to review of designs of water supply and other hydraulic systems including drawings and specifications, bill of quantities, etc;
- c) Participating in supervision of construction of water supply projects and other hydraulic investments;
- d) Assisting the Regional Project Coordinator in the preparation of invoices, payment certificates and other data that may be needed for financial management and reporting from the project executing agencies;
- e) Assisting the Regional Project Coordinator in supervising the timely and appropriate preparation and implementation of environmental and social safeguards instruments, ensuring coordination of safeguards implementation between the project;
- f) Gathering and consolidating information for the quarterly and annual reports on project implementation and progress;
- g) Any other duties as may be assigned from time to time.

Qualifications

The principal qualifications required are:

- (i) Degree in civil/water engineering or its equivalent from recognized university or any other institution of higher learning;
- (ii) Has minimum 10 (ten) years of continuous relevant work experience in design and/or construction of a variety of water resources and/or sewerage/sanitation investment projects;
- (iii) Experience in project management /construction contract administration will be a distinct advantage;
- (iv) A proficient working knowledge of MS office and other relevant engineering software will be a distinct advantage.

6. Place of Work

The Consultant will be working in the offices provided by the PMU – Coast Mombasa offices.

7. Time-frame, Duration and Commencement of the Consultancy

The duration for this position is expected to be 3 (three) years and will be subject to annual contracts based on acceptable performance. Expected commencement date of the consultancy is 1st September 2016.

8. Reporting Scheme

The Position will be engaged on full time basis and will report to the PMU Coast Regional Coordinator, based on agreed work schedule and specific outputs agreed at the negotiation stage.

9. Remuneration and Payment Schedule

Remuneration will be based on competitive rates for this specific field of knowledge and will reflect the selected candidate's area of expertise and relevant work experience, provided he or she has satisfactorily fulfilled all requirements to become a candidate for this Consultancy.

The Consultant will be paid on a monthly basis, based on schedules agreed at the negotiation stage where the actual calendar of payments and the specific amounts to be paid per month will be disclosed. Costs incurred by the consultant in the realization of duty will be in conformity to the regulations established by the Government of Kenya and World Bank for this type of disbursements. Costs will be reimbursed upon submission of a statement of expense and supporting documentation that thoroughly complies and satisfies the aforementioned regulations.

10. Selection Method

Selection of an Individual Consultant in accordance with World Bank's *Guidelines for Procurement under IBRD Loans and IDA Credits* dated January 2011, and the World Bank's *Guidelines: Selection and Employment of Consultants [under IBRD Loans and IDA Credits & Grants] by World Bank Borrowers, January 2011 revised July 2014* ("Consultant Guidelines").