

**EAST AFRICAN COMMUNITY  
LAKE VICTORIA BASIN COMMISSION**



**ADAPTING TO CLIMATE CHANGE IN LAKE VICTORIA BASIN PROJECT**

**TERMS OF REFERENCE FOR INDIVIDUAL CONSULTANT AS A WATER  
CATCHMENT MANAGEMENT AND ADAPTATION EXPERT**

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**Background information**

The risks and impacts associated with long-term climate change poses significant challenges to the people and economy of Lake Victoria Basin (LVB) which is a water catchment that spreads across Burundi, Kenya, Rwanda, Tanzania and Uganda. So far, climate change in the LVB has resulted in increased mean annual temperatures and increased variability in rainfall patterns. Climate change projections in the LVB predict that mean annual temperatures will continue to increase and that variability in rainfall patterns will be exacerbated. Projected climate change will result in several negative effects within the LVB, including a decrease in water quality and availability for a number of uses, including inter alia: i) domestic; ii) agricultural; iii) industrial and commercial; and iv) cultural. Notably, the negative effects of climate change will continue to disproportionately affect marginalized and rural communities within the LVB by reducing the productivity of agriculture and wetlands and the abundance of fish in Lake Victoria and its tributaries. In addition, the projected effects of climate change are likely to negatively impact economic sectors within the LVB that depend on water resources, such as agriculture, livestock, hydropower facilities and fisheries.

In response to the above, The East African Community (EAC)/Lake Victoria Basin Commission (LVBC) has received funds from the Adaptation Fund through United Nations Environment Programme (UNEP) to implement “Adapting to Climate Change in Lake Victoria Basin (ACC-LVB) project”. The project seeks to reduce the vulnerability of the Lake Victoria Basin (LVB) to climate change, focusing on two key issues—water scarcity and flooding. The

overall objective of this Project is to “reduce vulnerability to the negative effects of climate change in the five Lake Victoria Basin countries, namely Burundi, Kenya, Rwanda, Tanzania and Uganda, by building climate resilience. The project is designed to reduce the impact of climate change on local communities and water dependent economic sectors within the LVB. The Project increases climate resilience in the Lake Victoria Basin (LVB) at both a regional and local level by implementing both regional and community-based climate change adaptation interventions.

The project objective will be achieved through five outcomes, namely:

- i. Strengthened institutional and technical capacity to integrate climate resilience into trans-boundary water catchment management;
- ii. Improved delivery of accurate and timely climate information to regional and national policy makers, technical officers and local communities;
- iii. Climate change adaptation technologies, including water harvesting techniques, climate-smart agriculture and Ecosystem based Adaptation (EbA), transferred to communities to reduce their vulnerability to climate change;
- iv. Regional resilience to climate change promoted through innovative, community based projects; and
- v. Improved knowledge management frameworks for the collection and maintenance of regional knowledge in trans-boundary water catchment management and climate change adaptation practices.

The project has started and will run for a period of three years. UNEP is the Multilateral Implementing Entity (MIE) for the project, and the LVBC is the Executing Entity of the project. LVBC therefore seeks to use part of the ACC-LVB project funds to payments for an individual consultant as a Water Catchment Management and Adaptation Expert to provide technical guidance and support capacity building initiatives on trans-boundary water catchment management and climate change adaptation in the LVB.

**Duration of Assignment: 2 years subject to annual performance**

**Type of Contract: Framework Assignment**

### **Scope of the Assignment**

The Water Catchment Management and Adaptation Expert will provide technical guidance and support capacity building initiatives to strengthen institutional and technical capacity on regional management of transboundary water catchment in the context of climate change and adaptation in the Lake Victoria Basin. This will be achieved through development and facilitation of training programmes that will target regional and national experts as well as

community technical staff (extension officers) responsible for water catchment management and climate change adaptation in the nine selected project intervention sites in Burundi, Kenya, Rwanda, Tanzania and Uganda.

### **Functional responsibilities**

Specifically, the Water Catchment Management and Adaptation Expert will undertake the following activities:

- i. Undertake a baseline assessment of climate risks, vulnerabilities and adaptation in the nine selected project intervention sites that are in the Lake Victoria Basin in Burundi, Kenya, Rwanda, Tanzania and Uganda;
- ii. Develop training materials/modules on trans-boundary water catchment management and climate change adaptation in the Lake Victoria Basin;
- iii. Facilitate a regional training on trans-boundary water catchment management and climate change adaptation targeting regional institutions responsible for water catchment management and climate change adaptation in Lake Victoria Basin such as Lake Victoria Basin Commission, Regional Climate Change Technical Working Group (CCTWG), East Africa Community Climate Change Unit and Lake Victoria Region Local Authority Cooperation;
- iv. Facilitate a training on trans-boundary water catchment management and climate change adaptation targeting national and local government representatives working in the climate change, environment, water and other relevant sectors in each of the five East Africa Community Partner States;
- v. Facilitate a training on trans-boundary water catchment management and climate change adaptation targeting selected civil society, Non-Governmental Organizations and the private sector players that are involved in water catchment management and climate change adaptation in the Lake Victoria Basin in each of the five East Africa Community partner states;
- vi. Develop tools that outlines the standard procedure and guidelines for the implementation of climate change adaptation technologies on water conservation practices, climate-smart agricultural techniques and ecosystem-based adaptation interventions;
- vii. Facilitate two meetings of the Climate Change Thematic Working Group (CCTWG) to plan and implement trans-boundary water catchment management in the context of climate change and adaptation in the Lake Victoria Basin;
- viii. Facilitate a regional workshop with researchers and technical experts to plan interdisciplinary research projects on trans-boundary water catchment management in the context of climate change and adaptation in the Lake Victoria Basin.

## **Conduct of assignment**

The assignment shall be conducted under a framework contract based on man hours required to perform specific tasks on need basis and as per activities and project requirements.

## **Indicative outputs**

The Water Catchment Management and Adaptation Expert will be responsible for ensuring a timely and satisfactory completion and submission of the deliverables listed below. All deliverables will be submitted to LVBC for discussions, comments and approval by relevant stakeholders.

- **Inception report** acceptable to LVBC that is centered on agreed scope of work, methodology for undertaking the assignment and work plan. To be submitted two weeks after signing of the contract.
- **Baseline assessment report** of climate risks, vulnerabilities and adaptation in the selected project intervention sites in the Lake Victoria Basin;
- **Training materials/modules** on trans-boundary water catchment management and climate change adaptation in Lake Victoria Basin;;
- **Reports of the trainings** on trans-boundary water catchment and climate change adaptation targeting:
  - Regional institutions responsible for water catchment management and climate change adaptation in Lake Victoria Basin;
  - National government representatives from the climate change, environment, and water and local government sectors in each of the five Partner States;
  - Civil society, Non-Governmental Organizations and the private sector in the Lake Victoria Basin.
- **Tools** that outlines the standard procedure and guidelines for the implementation of climate change adaptation technologies on water conservation practices, climate-smart agricultural techniques and ecosystem-based adaptation interventions;
- **Two reports of the Climate Change Thematic Working Group (CCTWG) workshops** to plan and implement transboundary water catchment management in the context of climate change and adaptation;
- **Report of a regional workshop** held with researchers and technical experts to plan interdisciplinary research projects water catchment management in the context of climate change and adaptation;
- **Final consultancy report** acceptable to LVBC.

## **Qualifications and Experience**

### **Academic Qualification:**

The Water Catchment Management and Adaptation Expert should possess postgraduate university education (at least Master's degree) in Climate Change Adaptation, Ecosystem Management, Environmental Science, Natural Resource Management, Integrated Water Resource Management or any other relevant university degree;

### **Skills and Competencies**

- i. Demonstrated thorough understanding of integrating climate change adaptation in water resource management with at least 15 years of relevant professional experience;
- ii. Extensive conceptual and practical knowledge in spearheading capacity building initiatives on water catchment management and climate change adaptation targeting regional, national and local/community level experts;
- iii. Demonstrated ability to develop/revise training materials and facilitation of trainings on water catchment management and climate change adaptation for a variety of stakeholders including government officials, civil society organization officials, researchers etc;
- iv. Previous experience in supporting water catchment management and climate change adaptation initiatives in the East African region especially Lake Victoria Basin would be an added advantage;
- v. Proven writing, analysis and presentation skills would be an added advantage.

### **Reporting**

The Water Catchment Management and Adaptation Expert will report to the Deputy Executive Secretary of LVBC or any other person delegated to do so. On a day-to-day basis the expert will be supervised by the Project Manager of the Adapting to Climate Change in Lake Victoria Basin project. The expert will also be expected to work closely with Chief Technical Advisor, National Project Coordinators as well as other project consultants and stakeholders while undertaking this assignment.