

TERMS OF REFERENCE

Long Term Agreement

1. Assignment Information

Assignment Title:	Senior international climate risk and water resource management technical advisor
Cluster/Project:	Enhancing Integrated Water Management and Climate Resilience in Vulnerable Urban Areas of the Mekong River Basin
Post Level:	Senior Specialist
Contract Type:	Long Term Agreement (LTA)
Duty Station:	Home-based and potentially required to travel to target provinces in Cambodia
Contract Duration:	Initial contract is from 01 July 2022 to 30 June 2023 (up to 70 days in the 1st year with possibility of 12-month extension)

2. Project Description

The Mekong River and its tributaries are critical waterways that support the economy and food supply chains of both Cambodia and Lao PDR. However, these waterways also present a significant risk. Flooding and drought events are becoming increasingly erratic, longer, and more intense as a result of the compounding effects of anthropogenic climate change. In support of the Integrated Water Resource Management (IWRM) in the Mekong River basin, appropriate data collection, integrated management of data and proper analysis are certainly crucial as a basis for decision-making and policy development. There have been numerous efforts in data collection, analysis, and monitoring by relevant key stakeholders such as MRC, MoWRAM, NCDM and other development partners. Those system are putting in place to track climate information, provide basic data for risk-informed technical planning at the national and local level. However, data availability and the ability to contextualize information at local level are remained a big challenge for Cambodia which leads to the persistence of misinformation and misunderstanding of risks associated with living near the Mekong River and its tributaries.

In 2021, UNDP received funding from Ministry of Environment the Government of Republic of Korea for the “Enhancing Integrated Water Management and Climate Resilience in Vulnerable Urban Areas of the Mekong River Basin”. The objective of the project is to strengthen the climate and disaster resilience of people and communities in vulnerable regions through improved risk and vulnerability assessment and advancing an integrated approach to water resources management. To meet the above objective, the project will implement a set of measures that span across three key outputs.

- 1) Inclusive assessment of water-related climate risks completed in the priority river basins.
- 2) Enabling environment for gender-responsive climate risk-informed integrated water resources management developed.
- 3) Funding proposal for priority risk reduction measures developed.

To accomplish this, the project seeks to address the critical need for risk data to inform integrated water resources management and, in so doing, enable increased investment in risk reduction measures. Specifically, it looks to address gaps in data collection management and analysis, enhance institutional and technical capacity at the subnational level for integrated climate and flood risk

management, enhance availability of resources for investment in water-related risk reduction, and aid the flow of risk knowledge and coordination across the borders of Cambodia and Lao PDR.

3. Scope of Work

This LTA specifies the role of a senior international technical advisor to support project management in the following areas of work:

- The consultant will provide strategic and technical support to the successful delivery of Mekong urban resilience project on its current and further initiatives to promote climate risk informed integrated water resource management in the target river basins
- Work closely with project team to design project intervention strategies through building alignment with existing efforts and making sure that the project is part of a bigger system of disaster risks informed water resources management in the target river basins
- Provide ad hoc technical inputs to disaster risk assessment reports, flood modeling, and impact forecasting to be produced by consultant and IPs
- Provide overall support to project team on the design, implementation, and monitoring of climate risks informed water resources management in 3S & 4Ps basins intervention. This includes the design and piloting disaster risk management initiative at the community level
- Design influencing strategy to utilize the results from various research/assessments produce during the project cycle Identify opportunities.
- Provide technical support on capacity building design for climate change risk assessments and hazard/vulnerability mapping using open source or freely available/subsidized software, and tailored to local context

4. Deliverables

Separate term of references will be developed for the specific services needed and deliverables within the scope of the LTA. The consultant shall ensure confidentiality of all the information received during the assignment.

5. Institutional Arrangement

The consultant will work under direct supervision of Mekong urban resilience project Coordinator and ongoing oversight of Programme Analyst in charge of the project and Head of Programme.

6. Duration of the Assignment

This LTA covers several assignments is initially for 12 months period with possibility for extension for another 12 months. A separate ToR will be developed for the specific services needed within the scope of the LTA. The agreed proposed professional fee should remain valid for the whole period.

LTA refers to a mutual arrangement whereby the Consultant will provide services as required, over a specific period of time. It specifies the unit price (daily rate), allowing for a framework agreement to be used when the Consultant's services are needed.

7. Duty Station

The duty station for this assignment is home based with potentially required to travel to target provinces in Cambodia once or twice per year. DSA, and all other related actual costs (etc. travels) will be covered by UNDP Cambodia, prior to agreement made prior to each assignment taking place. The reimbursement of the associated costs will be made through F-10.

Selected individual contract who is expected to travel to the Country Office (CO) to undertake the assignment in the country (Cambodia and Lao PDR) is required to undertake the BSAFE training. <https://training.dss.un.org/course/category/6> prior to travelling.

8. Minimum Qualifications of the Individual Contractor

Education	<ul style="list-style-type: none"> Master's degree or higher in climate sciences, environmental/geographical/geospatial sciences, environmental economics, climate change adaptation/mitigation, international development with a specialization in climate change adaptation or other closely related field.
Experiences	<ul style="list-style-type: none"> Minimum of 10 years' experience in the use of modeling tools and techniques to guide decision making in one or more of the following: climate change modeling and downscaling, agricultural and water resource related impacts modelling, climate change decision making under uncertainty, risk and vulnerability assessments, environmental monitoring/remote sensing, geospatial technologies, integrated water resource management, adaptation planning. Extensive experiences in integrated water resources management in Cambodia, Lao PDR and the Mekong region. Extensive experiences in policy development, advocacy
Language Requirements	<ul style="list-style-type: none"> Excellent written and spoken English required

9. Criteria for Evaluation of Level of Technical Compliance of Individual Contractor

Technical Evaluation Criteria	Obtainable Score
Master's degree or higher in climate sciences, environmental / geographical / geospatial sciences, environmental economics, climate change adaptation/mitigation, international development with a specialization in climate change adaptation or other closely related field.	20
Minimum of 10 years' experience in the use of modeling tools and techniques to guide decision making in one or more of the following: climate change modeling and downscaling, agricultural and water resource related impacts modelling, climate change decision making under uncertainty, risk and vulnerability assessments, environmental monitoring/remote sensing, geospatial technologies, integrated water resource management, adaptation planning.	40
Extensive experiences in integrated water resources management in Cambodia, Lao PDR and the Mekong region.	20

Demonstrated technical knowledge in the area of climate and impact modeling, risk/vulnerability assessments river basin management and adaptation to climate change.	10
Demonstrated capacity to engage with national and regional networks of partners, including senior policy makers in the government institutions, CSOs, and relevant stakeholders.	10
Total Obtainable Score:	100

10. Payment Milestones

The payment is made based on the actual number of days per each assignment agreed prior to each assignment taking place. It will be calculated based on the number of actual working days as per assignment (exclude DSA, air-ticket, and other associated costs). The number of days of each assignment is expected to vary. The payment is to be made to the contractor as per agreed sub-ToR of each assignment.

The contractor can begin working only after a purchase order (PO) is issued to him/her each time a service is required and following discussion and agreement between the contractor and the Country Office. The contractor takes his/her own responsibility for performing any service which is out of the scope of this ToR.

Full payment amount is paid within 30 days after satisfactorily completion of work and receiving of original invoice/CoP. Each payment is subject to acceptance of work, receipt of Certification for Payment, and performance evaluation duly completed (for last payment) and signed by the head of the respective unit requesting the service. If additional work is needed due to the assignment not meeting the requirements, this will be at no cost to UNDP.

Offerors shall quote one rate of daily professional fee. The rate shall be all inclusive and fixed during the contract period. **Noting that offeror is required to be responsible for his/her own insurance or it can be considered including the cost together with professional fee.**

The contractor will be paid on a lump sum basis as per agreed per assignment/ToR.