

## Ministry of Irrigation

Sri Lanka

### Climate Resilience Multi-Phase Programmatic Approach (CResMPA)

#### REQUEST FOR EXPRESSIONS OF INTEREST

**Country:** Government of Sri Lanka

**Loan No.:** IBRD-89960

**Assignment Title:** Consultancy Services for Systems Integration for the Modernization of the Department of Meteorology, Sri Lanka

**Reference No.:** SLMOI/CRES/DOM/C/QCBS/30

#### Note:

The publication below was published in the UNDB Online on 23rd June 2023 and in the national press (Dinamina, Daily News and Thinakaran News Papers in Sri Lanka) on 27th June 2023. Please note that the publication is re-advertised to receive more EOIs for better competition. The Consultancy Firms who have already submitted their EOIs will be considered for the evaluation and if these firms wish to update/revise the submission they may revise and resubmit.

The Democratic Socialist Republic of Sri Lanka has received financing from the World Bank towards the cost of the Climate Resilience Multi-Phase Programmatic Approach and intends to apply part of the funds for Consultancy Services for Systems Integration for the Modernization of the Department of Meteorology, Sri Lanka.

#### Background:

The Department of Meteorology (DoM) is the mandatory national agency providing meteorological and climatological services and early warning information concerning weather-related hazards and Tsunami in Sri Lanka. DoM was established in 1948 and has been compiling and systematically managing climate data since 1865 in the country. The DoM is providing services to Agriculture, Irrigation, Power & Energy, Aviation, Marine and disaster management sectors following the regulations of the World Meteorological Organization (WMO) and International Civil Aviation Organization (ICAO). The DoM is the focal agency for climate change studies and tsunami warnings for Sri Lanka.

The DOM headquarters is located in Colombo consisting of its technical branches such as National Meteorological Center (NMC), Climate, Rainfall, Agricultural Meteorology, Radar and Radiosonde,

Data Processing and Archival, Instrumentation and 22 regional Meteorological offices located islandwide. DoM provides the services through 2 aviation forecasting centers established at Katunayake and Mattala international airports, several agro-meteorological stations and rain gauge stations operating at the regional level in collaboration with other agencies covering the entire country. A Centre for climate change studies is also established under the DoM.

The vision of the DoM is to be a Centre of excellence in weather and climate-related services while the mission statement is to provide services on Meteorology, Aeronautical Meteorology, Ocean Meteorology, Hydro Meteorology, Agricultural Meteorology, Climatology and Astronomy to serve government agencies, private sector and mainly the General public in keeping national requirement by adopting international standards.

DoM does not have sufficient modern technology, advanced ICT infrastructure for observational networks and adequate resources to provide efficient and effective services to the target sectors. DoM is currently facing issues in providing temporally and spatially accurate forecasts with a sufficient lead time to relevant agencies. As a result, stakeholders face difficulties in producing impact-based forecasts to protect properties and the lives of people in different socio-economic sectors vulnerable to frequent natural disasters. In addition, DoM provides weather and climate-related information to carry out their mandatory services for the economic and social development of the country.

#### **Purpose of the consultancy service:**

It is necessary to modernize the existing weather and climate-related services by introducing state-of-the-art technology, in order to promote national and regional socio-economic development and to reduce the risk of climate-related disasters in the country.

Developing a road map for the modernization of DoM (Weather Forecasting, Nowcasting, Climate Forecasting and Early warning ensuring optimal coverage of quality of observational data) to minimize risk and vulnerability of the community to frequent hazards is a timely requirement.

The Consulting Services ("the Services") is required to provide in two phases:

#### Phase 1

- The consulting firm should thoroughly assess the entire existing monitoring network, forecasting system, technical infrastructure and its accuracy. They should also evaluate the existing capacity-building programs and assess their gaps.
- The consulting firm should submit the suggestions for improving the identified gaps in order to meet the expected level.
- The consulting firm should evaluate the existing system and facilitate to establish an improved common data and information sharing system among the line agencies such as the Department of Irrigation (ID), National Building Research Organization (NBRO), Disaster Management Center (DMC) & Sri Lanka Land Development Corporation (SLLDC)

**The expected duration for the Phase 01 of Consultancy Service is 6 months.**

## Phase 2

- The Consulting firm will be responsible for baseline assessments; strengthening the legal and regulatory framework including data policy.
- The Consulting firm should prepare a Procurement Plan containing all activities related to the development of the comprehensive and reliable integrated system. This is to ensure that different systems procured or already available be interconnected. As integration is a key factor of the project, the consulting firm should very carefully assess and ensure the control of the system to be implemented. Therefore, it would be the consulting firm's responsibility to look into the available reliable efficient products instead of developing a new system in order to reduce costs. The Consulting firm will assist the DoM in the implementation of the project including installation, training relevant to operation/maintenance, installation of an integrated forecasting system (including NWP models, Climate models, Realtime observations and etc.) and forecast verification system.
- The Consulting firm will assist the DoM in the preparation of tender documents in standard World Bank format.
- The Consulting firm will assist DoM in contract management including support on all facets of Bid terms of reference and request for proposals execution.

### **The expected duration for the Phase 02 of Consultancy Service is 33 months.**

The scope for both Phase 1 and 2 is provided in detail in the Terms of Reference (TOR), which can be obtained upon a request to the email address: [pdcresmpa@gmail.com](mailto:pdcresmpa@gmail.com).

The Climate Resilience Multi-Phase Programmatic Approach now invites eligible consulting firm ("Consultancy Firm") to indicate their interest in providing the Services. Interested Consulting Firm Should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. The Shortlisting Criteria are:

1. Comprehensive management and technical knowledge in all aspects as described in the TOR.
2. Number of qualified permanent key staff with proven experience.
3. Financial stability – The consulting firm shall demonstrate having a sound financial situation and capacity by submitting audited financial reports for the last five years.
4. Specific recent experience in similar nature assignment, especially in integrated forecasting system design – a list of related contracts completed during the last ten years supported by a brief description including name of the client, place, implementation period and value, etc.
5. References of previous clients.
6. Consultancy firm should have been in business with relevant to meteorological discipline for at least 05 years. Company Registration – Place and date of registration, legal capacity etc. shall be submitted)

The attention of interested Consulting Firms is drawn to section III, paragraphs, 3.14, 3.16 and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" fourth edition 2020 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest.

Consulting firm may associate with other firms to enhance their qualifications but should indicate clearly whether the association is in the form of a joint venture and/ or a sub – consultancy. In the case of joint venture, principle partner shall be severally liable for the entire contract, if selected.

A Consulting firm will be selected in accordance with the procedures described in the World Bank's Procurement Regulations for IPF Borrowers" fourth edition 2020 and the method of selection will be Quality and Cost Based Selection (QCBS).

Further information can be obtained at the address below during office hours i.e., 0900 to 1600 hours except for Saturday, Sunday, and public holidays.

Expressions of interest must be delivered in a **written form as 01 original and 07 copies** to the address below (in person or by post) by **28th August 2023 at or before 1400 hrs.**

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