

**REQUEST FOR EXPRESSIONS OF INTEREST  
(CONSULTING SERVICES – FIRMS SELECTION)**

**COUNTRY:** Federal Democratic Republic of Ethiopia

**NAME OF PROJECT:** CR-WaSH

Credit No.: **IDA-64450**

**Assignment Title:** Consultancy service **to Support Capacity Building Needs for Regional Climate Research and Modeling for Improved Climate Information** for Ethiopian Meteorology Institute (EMI)

**Reference No.:** **ET-MOWE-383949-CS-QCBS Re-bid**

The Federal Democratic Republic of Ethiopia (FDRE) has received financing from the World Bank toward the cost of implementation of CR-WaSH (Water Supply, Sanitation and Hygiene Project) and intends to apply part of the proceeds for this consulting service.

**1) Capacity Building Needs Objectives**

The objective of the advisory services is to enable EMI to equip skill and knowledge of RCM in order to produce high resolution climate information and apply it for local level impact assessment.

The specific objectives of this assignment are: -

- To support long term climate change analysis
- To provide guidance to design a training program for regional climate modelling and impact assessment studies and the necessary computer programming skills necessary to implement regional climate modeling.
- In partnership with national experts, to contribute to building capacity in the use of regional climate modeling for different applications over Ethiopia.
- To strengthen the capacity of a Regional Climate Modeling Center at EMI.
- To lead the design of a strategic research program for EMI on regional climate modeling, in conjunction with partners from a national university.
- To develop and initiate working relationships on research with local and international universities

**2) Scope of the firm technical advisory**

The objective of the firm advisory services is to enable EMI to equip skill and knowledge of climate modeling to forecast long term climate scenarios with RCM/GCM and produce high-resolution climate information and apply it for local level impact assessment.

In general, the consulting firm will cover the following task: -

- Review previous work to recommend best options that can be used for context of Ethiopia climate change analysis. Present the output and review the finding and selection of the approach, model, resolution, methodology, etc..
- Develop a program on hands on training for EMI staff on regional climate modeling. The training program should not be limited but at least it should cover this aspects i.e background and purpose of GCM, RCM, model installation, data preparation/pre-processing, post processing of model outputs, and model verification.
- Support EMI to establish a regional climate modeling center by building staff capable of running RCMs. The advisor will guide EMI on the choice of appropriate RCM.

- Contribute to training technical staff on an overview of GCM, RCM and downscaling techniques, in partnership with national experts.
  - Lead the development of a medium-term research agenda for EMI (5 years)
  - Identify a clear research working environment on regional climate science between EMI, local and international universities and research institutes
  - Assist EMI to develop full grant research proposal on the identified research agenda
- 3) The assignment will perform in the form of Lump sum. Accordingly, the required professional staff-months are 24. The implementation period of the lump sum contract is also 6 months. **The detailed Terms of Reference (ToR) for the assignment can be obtained from the Ministry Web site, [https://www.mowe.gov.et/en/resource\\_types/procurement-files-](https://www.mowe.gov.et/en/resource_types/procurement-files-)**
  - 4) The Ministry of Water and Energy (MoWE) now invites eligible consulting firms to indicate their interest in providing the services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experiences to perform the Services.
  - 5) The short listing criteria are: - **core business and years in business, relevant experience, technical and managerial capability of the firm.**
  - 6) The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" July 2016 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest.
  - 7) Consultants 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 a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.
  - 8) A Consultant will be selected in accordance with the Quality and Cost Based Selection (QCBS) method set out in the Procurement Regulations for IPF Borrowers of the World Bank.
  - 9) Further information can be obtained at the address below during office hours 8:30 AM to 12:00 AM in the morning and from 1:30PM to 5:00PM in the afternoon.
  - 10) Expressions of interest must be delivered in a written form to the address below in person, or by mail, or by e-mail (PDF Format) by December 15, 2023 on or before 4:00PM.

**Ministry of Water and Energy**

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