



AFRICAN DEVELOPMENT
BANK GROUP



Republic of Liberia

MINISTRY OF FINANCE AND DEVELOPMENT PLANNING

P.O Box 10-9016

Intersection of Broad and Mechlin Streets

Monrovia, Liberia

(REQUEST FOR EXPRESSION OF INTEREST – INDIVIDUAL CONSULTING SERVICES)

NAME OF PROJECT: Liberia-Technical & Capacity Building Assistance Project

Assignment Title: Hydromet Specialist to support the Environmental Protection Agency (EPA) to Develop a Proposal on Climate Information Services

Financing Agreement reference: **5900155014451**

Project ID No.: **P-LR-K00-018**

Reference No.

Issue Date: **August 19, 2019**

End Date: **September 2, 2019**

1. Background

The Government of Liberia through the Ministry of Finance and Development Planning received US\$1,400,000 for the Technical and Capacity Building Assistance Project funded by the African Development Bank. The project primary objective is to support the Government of Liberia strengthen its capacity to deliver the much needed services to its people. The project is composed of three components and one of them is to support the Environmental Protection Agency to integrate green growth, environmental resilience and adaptation into the national development plan, the Pro-Poor Agenda for Prosperity & Development (PAPD) and other complementary Government Ministries and Agencies. The project intends to apply part of the proceeds of the funding for eligible payment under the contract to hire a Hydromet Specialist to support the Environmental Protection Agency (EPA) on Climate Information Services.

2. Objective of the Consultancy

The Environmental Protection Agency in collaboration with the African Development Bank, is seeking to hire the services of a consultant with extensive background in hydro-meteorology to contribute toward developing a funding proposal for Climate Information System for Liberia, especially on components relating to hydro-meteorological equipment, infrastructure and forecasting.

3. The Scope of the Services to be performed

The Hydro-meteorological equipment specialist will collect, collate and compile detailed information on hydro-met equipment (e-infrastructure (ICT), automated weather stations, hydrological gauging stations, water flow meters, manufacturer and types of sensors, data

logging and communication equipment etc.). The hydromet consultant will establish specifications of the hydro-met related equipment required by Liberia to deliver fit-for-purpose climate services. The hydromet consultant will also assess the forecasting capability of the hydromet service and recommend ways of improvements through the establishment of a forecasting facility for weather and climate services (including forecast verification systems for weather and climate).

Under the supervision of the EPA and the technical supervision of the African Development Bank, the Consultant will undertake the following tasks:

- Undertake scoping study and together with key stakeholders, help identify hydromet equipment that need to be rehabilitated/procured/deployed in order to support the development of an effective climate services program for Liberia;
- Collect and compile information on the hydro-met related equipment including type, brand/make, model and other relevant specifications;
- Assess the existing procedures and mechanisms in the country for the deployment of hydro-met equipment. Compile detailed information on additional equipment (brand/make and specifications), which may be required to ensure effective communication of data, climate services generation and delivery;
- Assess Government expectations and likely operational timeline for the procurement of hydro-met equipment (and associated data communication and archiving facilities) and provide a realistic estimate of key procurement-related milestones for the country, taking into account local capacities to operate and maintain the equipment to be procured;
- Assess Government expectations and likely operational timeline for the establishment of the forecasting facility in accordance with the WMO standards (GFCS); and,
- Develop an effective operations and maintenance plan for hydromet equipment, infrastructure and forecasting facilities.

4. Deliverables

- Hydromet modernization plan for Liberian Met services to collect and process essential climate variables based on the WMO standards;
- Climate services delivery plan for Liberian Met services to deliver essential climate services based on the WMO Global Framework for Climate Services and classification;
- Green Climate Framework for Climate Services and classification;
- Catalogue of hydro-met related equipment;
- Procurement management plan for Liberian hydromet services;
- Operations and maintenance plan including hydromet staff training needs for Liberian hydromet services; and,
- Operational and maintenance plan.

5. Minimum Qualification, Skills and Experience

- The individual consultant should have Master's degree or equivalent in meteorology, hydrology, engineering, environmental studies or other closely related technical or scientific fields of study.

- A minimum of 5 years of progressive and relevant experience in the field of meteorology, engineering and hydrology related to infrastructure and equipment on climate information and early warning systems;
- A minimum of 3 years of experience in sourcing equipment related to hydro-meteorological network and their operations;
- Demonstrated experience in the operational practice of meteorology, including weather observing and monitoring, climate monitoring and forecasting, modeling, early warning system, and the application to development and climate change adaptation;
- Demonstrate knowledge of climate change adaptation and mitigation;
- Demonstrate experience in project development, implementation or management;
- Experience in working and collaborating with government institutions and private sector

Duty Station:	Monrovia
Start Date:	TBA
End Date:	TBA
Duration of Assignment:	45 working Days

The Project Management Unit (PMU) of the Ministry of Finance & Development Planning (MFDP) now invites eligible individual consultants to indicate interest in providing these services by submitting their Curriculum Vitae (CV) and copies of academic credentials, demonstrating experience in performing similar assignments with references and showing responsiveness to the qualification requirements outlined in this REOI. Eligibility criteria and the selection procedure shall be in accordance with the African Development Bank's *"Procurement Policy Framework for Bank Group Funded Operations"* October 2015 which is available on the Bank's website at <http://www.afdb.org>.

Further information can be obtained at the address below during office hours, i.e. from 0900 to 1700 hours (GMT) on working days.

Expressions of interest must be delivered in hard copies or by email to the address below by 2nd September, 2019 @ 1700 hours (GMT) and mention "**Hydromet Specialist to Support the Environmental Protection Agency Develop a Proposal on Climate Information Services**"

Project Manager
Project Management Unit (PMU), 4th Floor
Ministry of Finance and Development Planning (MFDP)
P.O Box 109013 – Intersection of Broad and Mechlin Streets
1000 Monrovia, 10 Liberia
Phone: +231770 161 561
E-Mail: ltaylor@mfdp.gov.lr, and copied to jmentroe@mfdp.gov.lr