



REPUBLIC OF LIBERIA
MINISTRY OF HEALTH
PROJECT IMPLEMENTATION UNIT (PIU)

Institutional Foundations to Improve Services for Health (IFISH)
Project ID: P169641

**REQUEST FOR EXPRESSIONS OF INTEREST (REOI) FOR THE HIRING OF PBF DATA
BASE AND DASHBOARD CONSULTANCY**

The Government of the Republic of Liberia has received financing from the World Bank in support of the Institutional Foundations to Improve Services for Health (IFISH) and intends to apply part of the proceeds to hire an experienced **PBF Database and Dashboard Consultant**.

The objective of hiring an PBF Database and Dashboard Consultant is for the Consultant to provide the services for the development and implementation of a PBF application that is interoperable to the existing DHIS-2 system and other applications in the Ministry of Health's digital enterprise architecture; and to replace the use of the excel based solution as the main instrument to manage, analyze data and process PBF invoices which has been the main software that has been used in the last five (5) years that the World Bank has been supporting the MoH to implement PBF in Liberia. This system, when developed, it is planned to be mainstreamed in the Ministry of Health PBF Program and Health Information Management Systems and will be substantially IT-reliant. It will accelerate the need to digitalize all data management, thus reducing insistences of paper-based and excel-based activities in all interventions, at peripheral and central level.

Qualifications and Experience

The PBF Database and Dashboard Consultant must have the following minimum educational and professional qualifications and experience:

- BSc in Information Technology Management, Computer Science, Software Development or related field. An advanced degree in these fields will be an added advantage
- Experience in the development of PBF data systems; and knowledge and skills in DHIS-2 and its interoperability with other data systems especially with regards to PBF web-based applications
- Experience in developing web-based/tablet applications for remote data collection for both online and offline mode e.g. ODK or KoboCollect
- Experience in coding with mobile phone/smart phones
- Experience in designing dashboard system for data visualization and report engine adaptation.
- Experience in using open-source infrastructure to host the system. Experience in using R or Python in developing similar applications should be an added advantage

Responsibilities: The PBF Database and Dashboard Consultant will be expected to perform the following task during the contract period:

- Develop mobile data collection tools which can be utilized offline but that are able to automatically upload data to a specified server upon encountering an internet connection

using an output format that is compatible to the DHIS-2. These will be data collection and verification tools for quality and quantity outputs at CHTs, hospitals and clinics;

- Automate the invoicing system for agreed outputs at CHTs, hospitals and clinics using a module that is linked to the DHIS-2. The system should allow for the preparation and printing of facility-specific and consolidated invoices at county and national levels; and
- Support budget tracking and visualization of payments at health facilities and enable printing of invoices for health facilities enrolled onto the PBF. The system should also allow electronic visualization of data at each health facility and county, and aggregation at national level.
- Training and mentoring of staff from the Ministry of Health
- Development of maintenance strategy of the software

Reporting and Time Schedules: The assignment is for a period of 12 months from the date of signing the contract..

An individual consultant will be selected in accordance with the procedures set out in the World Bank's Procurement Regulations and Guidelines (Fourth Edition): ***Selection and Employment of Consultants under IBRD Loans and IDA Credits and Grants by World Bank Borrowers*** dated ***November 2020***.

Interested applicants may access the detailed Terms of Reference (TOR) via the link:

Please note that all Expression of Interests should be sent electronically to the emails listed below:

Expressions of interest must be delivered to the address below by email on or before Wednesday, July 12, 2023 16:00 hours. All EOIs must be marked "***LR-MOHSW-356715-CS-INDV (Hiring of Consulting Service for PBF Database and Dashboard)***" ***Please indicate the position in the subject line of the email, if you choose to submit your expression via email.***

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