



GOVERNMENT OF SIERRA LEONE

Name of Project: Harmonizing and Improving Statistics in West Africa Project in Sierra Leone

Grant Numbers: P169285

Assignment Title: RECRUITMENT OF AN INTERNATIONAL CONSULTANT AS A SENIOR DATA SCIENTIST FOR THE COMPREHENSIVE HEALTH AND EPIDEMIOLOGICAL SURVEILLANCE SYSTEMS (CHESS) PROJECT WITH SUPPORT FROM THE HARMONIZING AND IMPROVING STATISTICS IN WEST AFRICA PROJECT IN SIERRA LEONE (HISWAP-SL)

Reference No. SL-MoFED- 343784-CS-INDV

Date of Issuance 15th March, 2023

1.0 Source of funds/ Background and Context

The Government of Sierra Leone, through Statistics Sierra Leone (Stats SL) is implementing a \$30m grant from the World Bank toward the cost of the Harmonizing and Improving Statistics in West Africa Project. The regional project is at the execution stage with seven countries (Burkina Faso, Cabo Verde, Cote d'Ivoire, Ghana, Liberia, Sierra Leone and Togo), but is expected to be scaled-up as many more countries have expressed interest to join in the nearest future. The objective of the project is to strengthen the statistical system of participating countries and regional bodies in Africa to produce, disseminate and enhance the use of core economic and social statistics

The project will support the implementation of Strategy for harmonizing statistics in West Africa initiative by AU; support the production of harmonized methodologies by the ECOWAS Commission and improve data access at the regional level. This will include: support to Household-based Surveys at the national level, support to the Core Set of Economic Statistics at National Level, support the modernization of the CPI at the national level, support the improvement of administrative data source, enhanced data accessibility and dissemination, support institutional reforms and enhance human capital. The project also supports the Government's vision for efficient management of data internally and improved public dissemination of data by providing a comfortable work environment and ensure the safe storage of IT equipment and statistical records.

2.0 The Objective of the Assignment: The general objective of the assignment of the Senior Data Scientist is to set up the project's data management infrastructure based on similar experience and work in

an HDSS/CHESS site. This includes providing a framework for data collection and management using the most recent data capture software to ensure the sites in Sierra Leone can easily integrate into the global platform of HDSS/CHESS sites. The data infrastructure will support data collection and analyzing of results or creating new studies and transferring it into an appropriate format which is then analyzed.

3.0 Responsibilities and Scope of Work

- Based on previous work at an HDSS/CHESS site, the consultant will provide an overall robust ICT and data platform for the digital data collection and an efficient data transfer to servers.
- Train the data management team for the sites.
- Work with Stats SL Director of Data Science to ensure all servers are efficiently set up for the data capture.
- Ensure latest HDSS/CHESS software and tools are established

4.0 Deliverables

- Develop detailed plan about improving data collection and management, including Standard Operating Procedures (SOPs).
- Scope out Data Team member's roles and responsibilities, size.
- Schedule for implementing the plan.

5.0 Duration

The Data Science Consultant will initially work for six (6) months in-country to set up the data infrastructure. Two (2) weeks in-country per month for the first three (3) months and one (1) per month for the following three (3) months. Further engagements will be on a need's basis.

6.0 Educational Requirements, Qualification and Experience

- Master's degree in Engineering with bias in Information Systems Designs and Management.
- Minimum of 10 years of practical experience in health data management and data tools designing/development. A minimum of 7 years professional
- Experience in the implementation and management of data in the African ecosystem.
- Understanding of database management tools.
- Knowledge of methods of data systems and theories that pertain to data sharing, data use, FAIR principles and data standardization.
- Strong organizational and program management
- Knowledge of key challenges on health data management.
- Practical experience in field work, data collection and analysis.
- Technology-savvy with up-to-date knowledge of data base management tools and software applications.

7.0. Reporting Requirements:

The Data Scientist will report to the CHESSTeam Lead. The consultant is expected to extensively coordinate with the Data Manager in delivering as per the Terms of Reference and overall objective of HDSS/CHESSTeam.

8.0. Conditions

Cross cutting issues of Youth and Gender should be taken into consideration throughout the entire processes.

9.0 Selection Criteria

The short-listing criteria are:

1. Experience of the Individual Consultant relevant to the Assignment
2. Competency/Qualification of the Individual Consultant relevant to the Assignment

This REOI will lead to the preparation of short list of consultants

The Consultant will be selected in accordance with ***Individual Consultant (IC)*** method set out in the World Bank’s Procurement Regulations for IPF Borrowers. 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” November 2020 (“Procurement Regulations”), setting forth the World Bank’s policy on conflict of interest. as per paragraph 3.17 of the Procurement Regulations.

Further information on the full-blown Terms of Reference (TOR) can be obtained at the address below or email hiswa2020statssl@gmail.com during office hours **0900 to 1700 hours Sierra Leone time from Monday through Friday**. Expressions of interest must be delivered in a written form and soft copies to the address below in person or e-mail: hiswa2020statssl@gmail.com on or before **Wednesday 29th March, 2023**.

The name of the assignment should boldly be written as “ **RECRUITMENT OF AN INTERNATIONAL CONSULTANT AS SENIOR DATA SCIENTIST FOR THE COMPREHENSIVE HEALTH AND EPIDEMIOLOGICAL SURVEILLANCE SYSTEMS (CHESSTeam) PROJECT WITH SUPPORT FROM THE HARMONIZING AND IMPROVING STATISTICS IN WEST AFRICA PROJECT IN SIERRA LEONE (HISWAP-SL)** “

The Team Lead

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