



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 INDIVIDUAL CONSULTANT TO REVIEW, DESIGN, DEVELOP A SELF SERVICE DATA AND MANAGEMENT PLATFORM FOR THE HISWAP-SL

Reference No. SL-MoFED-347750-CS-INDV

Date of Issuance: 11th April, 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 towards 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. 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.

1.1 Brief Description of the Project Components

The project has three components: (1) A regional component to produce harmonized tools; collect a core set of social, economic and administrative statistics while improving their quality; disseminate and facilitate the use of harmonized data collected both nationally and regionally through a regional platform. (2) A country-specific component to address shortcomings that are not necessarily common to all countries. This will enable national statistical systems to leverage regional activities, for instance, through institutional building at the management level and improving human resource capacity, infrastructure and software needs. (3) A project management and Monitoring and Evaluation component to oversee and supervise components 1 and 2.

2. The Objective of the design and activation of data dissemination and website project scope.

The objective of this assignment is to develop a multi-channel platform for management and dissemination of official statistics through Short Message Service (SMS) for basic phones, as a mobile application for smart phones, and via a web browser. The parent database would be the same across the platforms, whilst the access and user interfaces have to be different across the platforms

The specific objectives of this data dissemination and website project include:

A: To carryout Domain Transfer

As the first stage to designing Stats SL data platform, this will see the transfer of Domain from present service provider and host all services to new provider and hosting services in a dedicated Cloud server.

B: To Review and design the Stats SL Website

The design will host Stats SL cooperate website and data management platform, thereby making it use friendly to use the website

C: Review, Design and Develop a Data Management Platform (Open Source):

This aspect of the task is to provide an Open Source that gives the leverage to exclusively control Stats SL design objectives, support and improve data accessibility and dissemination of all Stats SL datasets.

D: To have a Dedicated Cloud server to host the service

The provides an isolated, single-tenant public cloud infrastructure that reduces Stats SL’s downtime and cost while promoting flexibility and performance in data dissemination

E: To Publish and Manage Stats SL’s Data sets

To have an intuitive web interface that allows publishers and curators to easily register, update and refine datasets.

F: To achieve data Visualization:

Here, a platform will be created that has data previewing tool, with a host of powerful features for previewing data stored in the Datastore. This can be Table View, Graphs, Mapping Images

G: To create Geospatial platform- The platform will have advanced geospatial feature, covering data preview, search and discovery. This will also preview structural data sets directly linked to specific geographical location.

H: To create Smartphone Application and SMS queries

Set a system with platform accessible on Androids, both phone and tablet versions; as well as basic queries.

4. Specific Tasks

The consultant shall work directly with the Directorate of Data science to create and update systems while undertaking the following tasks:

- **Stats SL Data Management system**
 - Data Accessibility
 - Data Availability
 - Data Publication
- **Stats SL Data Dissemination system**
 - Data Integrity
 - Data Security
 - User Support
- **Stats SL data Visualization platform**
 - Translating information into a visual context

- Help identify patterns, trends and outliers in larger and small data sets
- Make data sets easier for the human brain to understand and pull insights
- **Support and Maintenance. The consultant will:**
 - Provide support for at least 3 months after the completion of system set ups and updates
 - Proffer evidence-based recommendations for areas of scaling the systems that incorporates additional stakeholders and technologies

5. Deliverables

Intermediate Deliverables

An inception report including, but not limited to the following

- An outline with detailed requirements for the proposed systems
- Details of the components that will be built by the consultant.
- A practical work plan and timelines for the entire assignment.
- An appendix with wireframes
- Hosting a requirements validation workshop with the Directorate of Data Science and validate her/his findings

Final Deliverables

Data Management and Dissemination system that enables enhanced data visualization by all Ministries, Departments and Agencies (MDAs), the general public, researchers/students, donor partners etc; with have the following features:

- Web- based with dashboard
- SMS functionality
- GIS capability
- Offline access versus Search and Filters
- Up to date Security standards
- Adhoc on demand report generation
- Social media integration
- Android application as specified above
- Support and Maintenance based on signed Service Level agreement (SLA)

6. Duration

This assignment will take 25 business days to complete.

7. Requirements, Qualifications and Experience

The minimum qualifications and experiences for the Consultant for this assignment are:

- Must possess a minimum of Masters in Information Technology, GIS and/or Data Science
- Experience in Systems Designer/System Architect
- At least 5-years of experience working IT Project Management
- Experience working as Data Manager/Analyst in senior position
- Proficiency in GIS Web Application Programming Interfaces (APIs) and a strong understanding of GIS and database fundamental
- Experience in working with World Bank funded Projects and other development projects is essential

- Demonstrate a track record of successful delivery of relevant information systems over the past 5 years
- Skilled in the use of standard methodologies for developing Information System designs, and adopt such a methodology for this project
- Capable of presenting complex technical and other issues to non-technical managers
- English Language requirement

8.0 Reporting Requirements:

The shortlisted Consultant shall report to the Data Science Director of Stats-SL through the Project Coordinator- HISWA-Project.

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) 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 **Tuesday 25th April, 2023**. The name of the assignment should boldly be written as “ : **RECRUITMENT OF AN INDIVIDUAL CONSULTANT TO REVIEW, DESIGN, DEVELOP A SELF SERVICE DATA AND MANAGEMENT PLATFORM FOR THE HISWAP-SL**”

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