CONSULTANCY SERVICES: DEVELOPMENT OF THE USAID OVC INTER-REGIONAL ACTIVITY DATABASE (CoAg-72061722CA00005)

Background: USAID's Orphans and Vulnerable Children Inter-Regional Activity (OVC) is a five-year initiative that aims to prevent new HIV infections and reduce vulnerability among orphans and vulnerable children (OVC) and adolescent girls and young women (AGYW) in selected districts of Uganda. It provides OVC services in 11 districts across 3 regions of the country: Central region (1- Wakiso District); West Nile region (4- Arua, Madi-Okollo, Nebbi, Pakwach); West central region (6- Kibaale, Kagadi, Kikuube, Hoima, Masindi, Kiryandongo).

Objective: USAID Integrated Child and Youth Development (ICYD) Activity developed the OVC Database on a DHIS2 platform in the year 2021 which was utilized by 7 National partners of which the Infectious Diseases Institute (IDI) was inclusive. With the transition to direct USAID awardee, IDI plans to develop an improved new, and independent database to run on a dynamic web-based model to support data management for the USAID OVC Inter-regional activity.

Scope of work: USAID's Orphans and Vulnerable Children Inter-Regional Activity (OVC) will provide a secure environment for the installation of the DHIS2 instance. The consultant will ensure that a DHIS2 instance is installed and properly configured successfully to serve as the OVC Inter-Regional Activity online database and reporting e-system. The system should allow for the addition of indicators if any new ones arise, monitor project implementation, track progress and data collection, share trends, provide an interactive dashboard, GIS utilization, data management and report generation. The consultant also will configure the mobile data capture platform and the set-up of the SMS function.

Specific tasks: Advise on the most recent stable DHIS2 version and do a complete installation and setup of the server environment. The consultant should also be able to meet the following software requirements.

I. An operating system for which a Java JDK or JRE version 8 or 11 exists. Linux is recommended.
II. Java JDK. OpenJDK is recommended for DHIS 2 version 2.38 and later, JDK 11 is required
III. PostgreSQL database version 13 or later. A later PostgreSQL version such as version 14 is recommended.
IV. PostGIS database extension version 2.2 or later.
V. Tomcat servlet container version 8.5.50 or later, or other Servlet API 3.1 complaint servlet container.

- Install and configure the agreed-upon DHIS2 instance and perform the file storage configuration
- Undertake the process of customization for aggregate data and tracker capture based on the provided OVC tools by the project.
- Set up and configuration of the backup environment and routines as discussed with the project team
- Set up and Configuration of mobile/android platform
- The consultant will also be expected to undertake capacity building for select IDI staff in DHIS2 server installation, setup, and management, DHIS2 system administration, and customization to enable sustainability after product delivery.
- Migrate current data from the ICYD database to the newly designed Inter-regional activity database.
- Document all steps undertaken during the process of installation, setup, and design of the instance and provide a comprehensive user manual

Reports required: Well-documented report on the process undertaken to set up all the components for the DHIS2 database.

Deliverables:
- A schedule for consultancy activities
- Daily email/phone call with a progress update
- Fully operational DHIS2 instance/database
- Capacity building to the activity team that will be working with the consultant.
- SMS and mobile platforms set-up
- User end and administrator manual.

Timeframe: 4 months

The applicant should:

1. Have excellent written and oral communication skills
2. Be able to work with a team
3. Be able to work under minimum supervision and maintain honesty and confidentiality

Instructions for submission:
Interested firms/individuals are requested to submit their proposals to:
Email: eolumbe@idi.co.ug
Deadline: 16th /06/2023