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**Term of Reference for National Consultancy to Customized and Host DHIS2 Database Online for South Sudan**

**Summary**

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| **Position** | National Consultancy to customized and host DHIS2 database online for MOH, South Sudan. |
| **Purpose** | * Customize all the data collection tools of the MOH into the DHIS2 database.
* Host the DHIS2 database in the server online at the MOH.
* Design dashboards for various programs and projects.
* Trained DHIS2 core group on customization, template development, system management and administration.
* Training of Trainer for core DHIS2 group.
* Provide continuous technical support to the team for up to six months remotely.
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| **Country** | Juba, South Sudan. |
| **Duration** | 42 working days. |
| **Start day** | 16th April 2018. |
| **Reporting to** | Director General for Policy, Planning, Budgeting, and Research MOH, South Sudan. |

**Background**

The Ministry of Health (MOH) of the Republic of South Sudan is mandated through its role as Government institution to lead and regulate health care services within the country. Under this role, the MOH is responsible for establishing functional health service that will contribute towards effective management of evidence based health service to the entire population. In pursuit of this mandate, the MOH has developed national health care strategy based on the Basic Package of primary and secondary care as well as community Health and Nutritional Services through which it hopes to provide basic health care package to the entire population.

To effectively manage health care provision, the MOH plans to establish robust Health Management Information System (HMIS) to collect different types of health information from service delivery points as evidence for decision making aimed at improving health care services. The establishment of HMIS has been envisioned to provide integrated data collection and analysis at all levels of health care to provide evidence on the health status of every citizen. DHIS 1.4 was initially designed for collecting data from facility to the national level by the developers from the University of Oslo. Presently, the developers have also designed DHIS-2 which has better functionality and utility compared to DHIS-1.4 and most countries within the region have migrated away from DHIS1.4 to DHIS.2.

Currently, the MOH has been using DHIS1.4 for the management of the national health information system. However, DHIS1.4 system has been presenting some challenges in the routine management of data for all the different national programs. These challenges have created demand for programmes to develop fragmented and vertical data collection systems that has given rise to multiple data sets leading to concerns about the reliability and quality of data across the numerous health care providers within the country.

The policy objective of MOH to migrate from DHIS1.4 to DHIS2 is to set up robust information system that generates strategic information for timely decision making and monitoring of the national health policy within the health sector strategic plan. To achieve this policy objective, government of South Sudan through the Ministry of Health shall strengthen the HMIS to generate reliable information for management and assessment of health system performance as determinants of health wellbeing of all the citizens.

Globally more than forty- seven countries have migrated from DHIS1.4 to DHIS2 system for managing their health information system as DHIS2 system is believed to provide comprehensive data management solution based on data warehousing principles and a modular structure that can easily be customized to the different requirements of a management information system to support routine data analysis at different levels of the organizational hierarchy. DHIS2 has functionalities of export-import of data and metadata, supporting synchronization of offline installations as well as interoperability with other applications. Using the DHIS 2 Web-API, allow for integration with external software and extension of the core platform through the use of custom applications. Additional modules can be developed and integrated as per user needs; either as part of the DHIS 2 portal user interface or with more loosely coupled external application interacting through the DHIS 2 Web-API. Similarly, it provides a comprehensive health information system solution for the reporting and analysis needs of health information users at any level. The MOH South Sudan intends to migrate from DHIS1.4 to DHIS.2 for its heath data management.

Based on the above background, the Ministry of Health is looking for national consultant who will work alongside an international consultant to provide technical support to ensure DHIS2 system for South Sudan is hosted online

**Purpose of the assignment**

The main purpose of the consultancy is to work with the MOH to customize the data collection tools of South Sudan into the DHIS2 database on the server at the national level; to host the server of the DHIS2 database online, train the staff of the MOH and make recommendation for backup of the data to the Ministry of health. The consultant will report to the Director General for Planning, Policy, Budgeting, and Research of the MOH.

**Specific Tasks**

The Consultant will work closely with the Director General of Planning, Policy, Budgeting, and Research of the MOH (particularly the HMIS team, HMIS Specialist HPF and the M&E Technical Working Group). Specifically, the consultant will be expected to perform the following tasks, with the assistance of the HMIS team and the DHIS2 Task force:

* In collaboration with the DHIS2 task force customize all the HMIS data collection tools into DHIS2 database.
* Host the South Sudan DHIS2 database online using the server, website, and domain of the MOH.
* Design dashboards for various programs and projects.
* Trained core group of staff in customization, template development, system management and administration.
* Provide training of trainers for core national team that will roll out trainings to lower levels.
* Provide continuous technical support to the team for up to six months remotely.
* Provide mentorship for the South Sudan DHIS2 core team to ensure capacity is effectively been build.
* Make recommendation for the backup of the data to the MOH.

**Output**

* Customize DHIS2 database with all the HMIS data collection tools for South Sudan produced.
* Data elements and indicators reports developed in the DHIS2 database.
* Dashboard for programs and projects developed.
* DHIS2 database host online for South Sudan.
* Core group of DHIS2 trained on customization, template development, system management and administration.
* Training of trainers for core national team in DHIS2 conducted.
* Detail consultancy report produced.
* Technical capacity of the core team is builded

**Key competences, technical background and experience required**

* A consultant with advance knowledge and skills in DHIS2 application and server management.
* Advanced university degree Public Health, Information & Communication Technology.
* Five years expertise in information and communication technology especially on web-based software platforms.
* Five years work experience in DHIS2 application in sub Saharan countries.
* Seven years in depth knowledge in server management.
* Demonstrate oral and written communication skills, including presentations.
* Have cordial working relationship with DHIS-2 developers and other Health Information System Partners

**Timeframe**

The duration of the consultancy shall be twenty- five working days.

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| No | Activity | Wk 1 | Wk 2 | Wk 3 | Wk 4 | Wk 5 | WK6 | WK7 | WK8 |
| 1 | Customization of the data collection tools into the DHIS2. |  |  |  |  |  |  |  |  |
| 2 | Training of core group in customization, template development, system management and administration. |  |  |  |  |  |  |  |  |
| 3 | TOT for core national team. |  |  |  |  |  |  |  |  |
| 4  | Provide capacity building and mentorship for the South Sudan DHIS2 core team to ensure they can effectively manage DHIS2 systems |  |  |  |  |  |  |  |  |

**HOW TO APPLY**

Qualified candidates are requested to submit a cover letter and CV to:abirigo@gmail.com and acagataban85@gmail.com with subject line “consultancy to customize and host online DHIS2 database for South Sudan” by 30th March 2018. Please indicate your availability, to undertake the terms of reference above. Applications without a daily fee rate or methodology will not be considered. Please note that only candidates who are under serious consideration will be contacted.