



GENERAL INFORMATION

Title: IT Advisor for Health Governance Project (National Consultant)

Project Name: Health Governance Initiative

Reports to: Project Manager

Duty Station: Home Based

Expected Places of Travel (if applicable): N/A

Duration of Assignment: 18 working days within 2 months

REQUIRED DOCUMENT FROM HIRING UNIT

	TERMS OF REFERENCE
	CONFIRMATION OF CATEGORY OF LOCAL CONSULTANT, please select:
	(1) Junior Consultant
	(2) Support Consultant
	(3) Support Specialist
	(4) Senior Specialist
(5)	(5) Expert/ Advisor
	CATEGORY OF INTERNATIONAL CONSULTANT, please select:
	(6) Junior Specialist
	(7) Specialist
	(8) Senior Specialist
X	APPROVED e-requisition

REQUIRED DOCUMENTATION FROM CONSULTANT

X	Completed P11 with at least 3 (three) referees
X	Copy of education certificate
X	Completed financial proposal
X	Completed technical proposal

Need for presence of IC consultant in office:

☒ partial (coordination for program/activity planning, implementation and monitoring)

☐ intermittent

☐ full time/office based (needs justification from the Requesting Unit)

Provision of Support Services:

Office space: ☐ Yes ☒ No

Equipment (laptop etc): ☐ Yes ☒ No

Secretarial Services ☐ Yes ☒ No

If yes has been checked, indicate here who will be responsible for providing the support services:

Arry Lesmana Putra

I. BACKGROUND

The Centre for Data and Information (Pusdatin), MOH, is an important supporting element to the Ministry of Health in the management of health data and information. Over the last couple years has initiate an effort to introduce the use of a DHIS2 application for integrating the data of the various program data bases into a national health data warehouse and using the data through a flexible and comprehensive DHIS2 reporting system called a “dashboard”. Pusdatin through the Global Fund project address the need for strengthening health system for AIDS, TB, and Malaria and relevant health system components most closely associated were selected as priority areas for health strengthening investment. One of the priorities Ministry of Health is health management information systems called Districts Health Information System (DHIS)2. A well-functioning health management information system (HMIS) ensures the connections, interoperability, analysis, dissemination and use of reliable and timely information on the determinants of health, health system performance and health status. This is in line with the Ministry of Health's plan for “One Health Data.

Regarding to health information system development, UNDP and MoH develop Logistic Management Information System (LMIS) for immunization program called SMILE (Sistem Monitoring Imunisasi dan Logistik secara Elektronik), now we implement pilot project in two cities, Bogor and South Tangerang and from two districts MoH planned to scale up this system. Learning from SMILE, UNDP planned to support MoH to strengthen LMIS module on AIDS, tuberculosis, and malaria information system and DHIS2.

To monitor logistic in health sector, MoH faced challenging issues such as delayed progress, limited impact (by constrained coverage and prolonged stock out), Contextual factors negatively impacting the vaccine SCM in Indonesia include the decentralization of a complex health system, extreme geography imposing physical and logistical challenges for vaccine supplies and information flow and ‘people factors. The later can be loosely described as including human resources landscape and a range of social determinants comprising varying degrees of community awareness. Although it is playing a critical role, vaccine Supply Chain has received comparatively little investment. Pressed to meet its commitment to Universal Health Coverage, Indonesia is in urgent need of innovation to improve vaccine supply chain management.

In short, lesson learned from SMILE uses mobile and web-based applications allowed real time visibility of vaccine cold chain. It does so by digitizing stock supplies and storage temperature across the vaccine cold chain points. SMILE also helps track storage temperature of vaccines through SIM-enabled temperature loggers attached to the cold chain equipment. At the core of the project is a human resources development component supported by a defined supervision plan and a rigorous training regimen. The system provides an integrated solution to address widespread inequities in vaccine coverage by supporting state governments in overcoming constraints of infrastructure, monitoring and management information systems and human resources. The project engages with stakeholders at all levels: Ministry of Health (MoH), Provincial Health Office (PHO) and District Health Office (DHO).

Currently, Ministry of Health (MoH) on discussion how to integrate these existing health management systems for improvement and providing dashboards all Health information system in MoH. This integrated system will result from a combination of technology, governance, and human resources. Regarding this need, the UNDP Indonesia intend to provide technical assistance for conduct assessment on integrating these existing systems. Therefore, UNDP will hire a IT Advisor to support Ministry. S/he will work together with UNDP, SMILE team and Ministry of Health (Pusat Data dan Informasi, and related unit) to assess, elaborate data that should be developed to support DHIS2 and One Health Data Purposes. Beside assessment, capacity building plans are needed as well, to provide a roadmap and meet the requirements of DHIS2 and One Health Data.

II. SCOPE OF WORK, ACTIVITIES, AND DELIVERABLES

Scope of Work

The general purpose of this ToR is engagement of the IT Advisor that would serve as a technical support and quality assurance engaged on web application "SMILE" and "DHIS2". The Advisor needs to have the knowledge and experience in migration preparation of technical and functional specifications to MoH server as well as extensive knowledge and experience in development, maintenance and administration of similar IT solutions.

The main scope of work includes provision of technical advice, verification and validation services during the period of implementation of "SMILE" and "DHIS 2 " particularly for AIDS, tuberculosis, malaria, and Immunization in order to confirm that both software solutions meet requirements specifications and that both solutions fulfil their intended purposes. Engagement of Advisor also includes provision of web portal "SMILE" administration and maintenance services in order to ensure that all portal content meets established content standards, to detect portal content discrepancies and to implement adequate resolutions.

Expected deliverables/outputs:

Expected deliverables	Estimated number of working days	Completion deadline	Review and Approvals Required
1. LMIS analysis report on AIDS, tuberculosis, and malaria information system and DHIS2, particularly in business process dan custom reports for supply chain at national level	Within 12 days of signing the contract	30 November 2019	Project Manager for HGI
2. Assessment report on business process dan custom reports for supply chain at national level for SMILE and DHIS2	6 working days	30 December 2019	Project Manager for HGI

III. WORKING ARRANGEMENTS

Reporting

The Consultant shall report to the Project Manager, for any queries and assistance on deliverable based.

Duration of Assignment

The duration of the assignment is 18 working days within 2 months, renewable subject to availability of funds

Payment The consultant will be paid on a daily rate (based on the number of days worked) and on the approved report and Certificate of Payment.

Travel

In the event of unforeseeable travel not anticipated in this TOR, payment of travel costs including tickets, lodging and terminal expenses should be agreed upon, between the respective business unit and the Individual Consultant, prior to travel and will be reimbursed by UNDP.

The fare will always be “most direct, most economical” and any difference in price with the preferred route will be paid for by the advisor.

Travel costs shall be reimbursed at actual but not exceeding the quotation from UNDP approved travel agent.

No	Destination	Frequency	Duration/days
1	N/A	N/A	N/A

IV. REQUIREMENTS FOR EXPERIENCE AND QUALIFICATIONS

I. Academic Qualifications:

- Master’s Degree in Computer Science, Information Technology or related field.

II. Experience:

- Minimum 12 years of working experience in information technology or related fields or maintenance and administration of software solutions and information systems (web sites, portals and/or applications);
- Experience in planning, design and implementation of software solutions;
- Direct experience in working with Ministry of Health;
- Experience as advisor in IT field would be an advantage.

III. Language:

- Strong written and spoken in English.

I. EVALUATION METHOD AND CRITERIA

Individual consultants will be evaluated based on the following methodologies:

Cumulative analysis

When using this weighted scoring method, the award of the contract should be made to the individual consultant whose offer has been evaluated and determined as:

a) responsive/compliant/acceptable, and

b) Having received the highest score out of a pre-determined set of weighted technical and financial criteria specific to the solicitation.

** Technical Criteria weight; 70%*

** Financial Criteria weight; 30%*

Only candidates obtaining a minimum of 70 point would be considered for the Financial Evaluation

Criteria	Weight	Maximum Point
<u>Technical</u>		100
Criteria A: qualification requirements as per TOR:	70	70
1. Master's Degree in Computer Science, Information Technology or related field		15
2. Minimum 12 years of working experience in information technology or related fields or maintenance and administration of software solutions and information systems (web sites, portals and/or applications);		20
3. Experience in planning, design and implementation of software solutions;		15
4. Direct experience in working with Ministry of Health;		15
5. Experience as advisor in IT field would be an advantage.		5
Criteria B: Brief Description of Approach to Assignment	30	30
1. Understand the task and applies a methodology appropriate for the task as well as strategy in a coherent manner		10
2. Important aspects of the task addressed clearly and in sufficient detail		10
3. Logical, realistic planning for efficient project implementation		10