

TERMS OF REFERENCE

Employment of Individual Consultant (Software Engineer-PHP) for Health Information & Quality Improvement Project

ICTA/GOSL/CON/IC/2023/02

1. BACKGROUND

The Ministry of Health (MoH) intends to formulate a digital health architecture blueprint, an interoperability operational plan, and a capacity development & technical assistance plan. The objective is to integrate a system of health care for patients, improve the health of the population, and improve control over health care costs by promoting health maintenance, prevention, and care coordination. In collaboration with the Global Fund, MoH has initiated the 'Health Information and Quality Improvement Project' and intends to develop resilient and sustainable systems for the health domain.

2. OBJECTIVE OF THE ASSIGNMENT

ICTA, as the apex ICT institution of the government, intends to facilitate MoH for the above project and its implementation activities while continuing to provide technical and other consultancy services related to ongoing initiatives. ICTA is inviting expression of interest from qualified Software Engineer-PHP to engage in the Health Information and Quality Improvement Project.

3. SCOPE OF SERVICE AND TASKS TO BE PERFORMED

The scope of work of the consultant shall include, but not limited to followings.

- Design and develop new modules for Hospital Health Information Management System (HHIMS)
- Customize and configure the HHIMS based on the requests of the hospitals.
- Discuss and identify specific requirements of the users with the hospital staff and the ICTA project team and make necessary system configurations.
- HHIMS product maintenance in selected Government hospitals.
- Maintain the software and databases in order to ensure the business continuity.
- Effectively communicate the software related issues to ICTA technology team/stakeholders.
- Provide user & administrator training on system functionalities and system troubleshooting.

4. QUALIFICATION AND EXPERIENCE REQUIREMENTS

- A Bachelor's Degree in Computer Science, Software Engineering, Electronics Engineering, IT or equivalent qualifications related to the field from a recognized university/institution.
- Minimum 5 years of relevant professional experience.
- Having work at least one software development project in health domain.
- Excellent knowledge in LAMP Stack, and a PHP framework like CodeIgniter, MySQL
- Exposure to microservices architecture and building RESTful APIs.
- Experience building solutions for a cloud platform (like AWS, Azure or GCP) will be advantageous.
- Working experiences in Electronic Medical Records (EMR) solutions, knowledge on HL7 standards will be an added advantage
- Understanding of software development within the Agile process.

- Strong communication skills and a positive attitude.

5. LANGUAGE REQUIREMENTS

Fluency in English and Sinhala or Tamil

6. OTHER TERMS AND CONDITIONS

- The Consultant should be able to work remotely and report to the Technical Lead who oversees the Digital Health project.
- Duration of the assignment will be 12 months on part time basis. (Approximately 80 hours per month).
- Payment will be made based on No. of actual working hours (admin work and traveling will not be counted) on monthly basis upon the submission and acceptance of monthly advance work plan and the task achievement report.
- Traveling cost will be borne by the consultant and ICTA will not pay or reimburse any expenses.
- Consultant should participate meetings at ICTA on request.
- Consultants fee will be subjected to applicable taxes in Sri Lanka

6. DELIVERABLES

The following are the proposed high level deliverables expected from this individual consultancy assignment.

No	Deliverables	Due Date (from the Commencement Date)
1	Monthly advance work plan	First working day of the month
2	Monthly task achievement report	Last working day of the month
3	Any other reports requested by the ICTA based on the requirement	In an agreed period