TERMS OF REFERENCE (ToR) FOR LABORATORY INFORMATION MANAGEMENT SYSTEM (L.I.M.S)

ZANZIBAR FOOD AND DRUG AGENCY

ZANZIBAR

BACKGROUND

Zanzibar Food and Drug Agency is a semi-autonomous body that works under Ministry of Health where its main objectives are to regulate Food, Drugs, Cosmetics and Medical devices.

ZFDA provides laboratory services for public health interventions including Sample Analysis on Food, Drug and Cosmetics.

LIMS shall be implemented at ZFDA Head Quarter and number of laboratory analyst are interfaced with the LIMS for processing the Samples.

Position Description

Under the direct supervision of the Laboratory Information Management System (LIMS) Project Manager, the LIMS Software Developer will provide front-end and back-end software development in relation to the implementation of LIMS application to enable a customized, secure and integrated system in accordance with the requirements of the ZFDA which is:

➢ ZFDA ICT Team shall Control and Monitor the LABORATORY INFORMATION MANAGEMENT SYSTEM (L.I.M.S) and contact direct to Developers for any updates and any other issues.

CURRENT SITUATION

Laboratory Information Management System (L.I.M.S) has already implemented on ZFDA Office and its operation is over 75% but there are some limitations that users are facing such as:

- There is no Payment module on L.I.M.S for issuing control Number
- L.I.M.S has no means of integration with any other ZFDA System
- Lack of Security Features
- There is no Administration Module to do most of configurations.

Deliverables:

- Full working system
- Addition of Payment Module for generating control Number of sample Analysis
- Addition of Administration Module for controlling the whole system
- Addition of New Security features and Data protection
- System Compatibility (Move to latest Technology of php)
- Integration with MIS portal for sample Analysis process
- Develop back-end components to improve responsiveness and overall performance.
- Assess and prioritize feature requests including customized reports.

Education:

- BSc in Computer Science, Engineering or relevant or equivalent experience in computer science, information technology or a related field

Experience:

- Work experience as a software developer for a minimum of 3 years using Python and JavaScript
- Demonstrable experience in working with and creating RESTful APIs;

Technical Competencies:

- Expertise in at least one popular Python framework (e.g., Django, Flask or Plone)

- Proficiency in modern frontend technologies such as ES6, modern CSS & HTML features

- Familiarity with Test Driven Development practices and tools

- Experience with Linux based deployments

Core competencies:

- Excellent analytical and problem-solving skills

- Ability to work independently without direct supervision

- Integrity

- Confidentiality

- Excellent time management skills

- Excellent verbal and written communication

- Excellent interpersonal skills

- Excellent team skills

Payment Milestones:

Payment modalities shall be stipulated in the final contract.

Duration of Contract:

- Length of contract: 1 year (Part-time); 24 hours per week.

- Starting date: March 2022

Reporting:

The vendor will work under the direct supervision of the Laboratory Information Management System (LIMS) Project Manager or other designated Officer.