

REQUEST FOR EXPRESSIONS OF INTEREST

Selection and Employment of an Independent Assurer (IA) for Functional and Non-Functional Testing Of Electronic Government Procurement (e-GP) System

Public Financial Management Strengthening (PFMS) Project
Ministry of Finance, Economic Stabilization and National Policies
Department of Public Finance

Grant No.: P178432

PP Reference No. LK-EGP SECRETARIAT -372642-CS-QCBS

The Ministry of Finance, Economic Stabilization and National Policies has received financing from the Multi-Donor Trust Fund through the World Bank toward the cost of the PFMS Project and intends to apply part of the proceeds for employment of consulting firm as an Independent Assurer (IA) for Functional and Non-Functional Testing of Electronic Government Procurement (e-GP) System.

Digitalization of existing public procurement system under the project is in progress and it requires to employ an independent assurer to carry out Functional and Non-Functional Testing:

1. Functional Testing to ensure that the software/product works as expected/specified, all functionalities are working properly and have produced defect-free product/software and
2. Non-Functional Testing to check non-functional aspects such as performance, usability, reliability, etc.

The duration of the Consultancy Services is initially sixteen months from the planned date of commencement (tentatively from January 2024). The detailed Terms of Reference (TOR) for the assignment can be found at the following website: www.treasury.gov.lk

The Ministry Consultancy Procurement Committee on behalf of the Department of Public Finance now invites eligible consulting firms to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications, relevant experience and capacity to perform the Services.

The shortlisting criteria are:

- General experience as a registered software development/Quality Assurance/ Cyber Security firm in Sri Lanka.
- Specific experience in handling similar assignments
- Technical, Financial and Organizational Strength of the Firm

The "EOP" shall include documentary evidence in support of core business and years in business with registration, annual turnover of last three years with audited financial statements, Business and Administrative strength, qualifications and experience in carrying out assignments of a similar scope and complexity, technical and managerial organization of the firm, technical capabilities and appropriate skills of key staff of the organization and other relevant information.

The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" November 2022 setting forth the World Bank's policy on conflict of interest. In addition, the existing software development partner or his affiliated companies or employees who worked during the last two years in the firm cannot be involved as staff of any a firm.

Consultants may associate with other firms to enhance their qualifications, but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.

A Consultant will be selected in accordance with the Quality and Cost Based Selection (QCBS) method set out in the Procurement Regulations.

Further information can be obtained from the Procurement Specialist via the 077-1091048/011-2151400 Ext. 2072 from 09.00 to 16.00 hours during the working days.

Expressions of interest must be delivered in a written form to the Director General- Department of Public Finance, Ministry of Finance, Economic Stabilization and National Policies, 2nd Floor, The Secretariat, Colombo 01 (in person, or by mail, or by e-mail) at or before 2.00 pm on 16th October, 2023. The envelope containing EOI must clearly be marked on the top left-hand corner as "EOI for Independent Assurer (IA) -Closing on 16th October 2023"

Chairman- Ministry Consultancy Procurement Committee,
Ministry of Finance, Economic Stabilization and National Policies
2nd Floor, The Secretariat,
Colombo 01.

Tel: 011-2484524

Terms of Reference (ToR) for Selection and Employment of an Independent Assurer (IA) for Functional and Non-Functional Testing

Reference No. LK-EGP SECRETARIAT -372642-CS-QCBS

1. BACKGROUND

The introduction of the Electronic Government Procurement System (e-GP) into the public procurement system in Sri Lanka was presented to the Cabinet of Ministers by Cabinet Memorandum No. 17/2459/719/087 on 27 October 2017. Consequently, the e-GP Secretariat was established under the Ministry of Finance and the e-GP System development and implementation were initiated under the e-GP Secretariat by signing a contract agreement with SIP (as the Software implementation partner) for the development of the e-GP System in November 2019. Based on the new addendum signed by the Ministry of Finance the current e-GP Application New version development will be continued up to January 2025.

2. OBJECTIVE OF THE ASSIGNMENT

The main objective is to employ an independent assurer (IA) to carry out Functional Testing (to ensure that the software/product works as expected/specified, all functionalities are working properly and have produced defect-free product/software) and Non-Functional Testing (to check non-functional aspects such as Security, performance, usability, reliability, etc.)

Other Objectives are risk mitigation, compliance of existing rule and regulations, industry accepted process, process improvement etc.

3. SCOPE OF SERVICES

- i. The consultant should (a). Review requirements/specifications and technical design documents, (b). Develop well-structured test plans and test cases and (c) estimate, and plan functional and non-functional testing activities.
- ii. The consultant should certify the product on functional and non-functional testing as per the given testing criteria.

The cost of all necessary Software which need to be carried out the tasks by the Consultant's team should be born by the firm.

4. DURATION OF THE ASSIGNMENT

The duration of the Consultancy Services is initially sixteen (16) months from the date of commencement and may be renewed based on the service requirements of the Client.

5. KEY TASKS

The Consultant shall submit the following reports/recommendations/certifications during the period of contract in line with the time plan.

Table 1: List of Reports/Certifications/recommendations

Sprint/Phase No.	List of Reports/Certifications/recommendations								
	Inception Report	Relevant Artifacts and Source Code Review Report	Sprint Certification / Functional	Security Certification	Performance Testing Report	Accessibility Testing reports	Migration Testing Report	Interface Testing Report	Acceptance Testing Report
Initial Stage	01						01		
Sprint 1		02	01	01		01			01
Sprint 2		02	01	01					
Phase 2/ Discovery Session		02							
Sprint 3		02	01		01				
Sprint 4		02	01	02	01	01			
Sprint 5		02	01		01				
Sprint 6		02	02	01	01	01			
Sprint 7		02	01	01					
Sprint 8		02	02	01	01				01
Sprint 9							01	03	01
Total	01	18	11	07	05	03	02	03	03

In addition, the Consultant shall make necessary recommendations on the following deliverables by the SIP

Table 2: Deliverables List

No	Deliverables	Frequency for deliverables
1.	SRS (Software Requirement Specification) and User Stories	At every Sprint
2.	Design Document/ Product Architecture Document	During commencement of the contract, , the IA need to produce a report on the source code and product architecture issues. The Software architect needs to review the source code at every Phase.
3.	Test Strategy Document and Test Plan	Start of the project and as and when the e-GP Secretariat request.
4.	All release notes, Test case and Test results	At every Sprint
5.	Data Dictionary	Upon completion of each phase
6.	User Manual	Upon completion of each phase
7.	Product Installation Manuals	Upon completion of each phase. Need to check the product configuration.

In addition, following to be submitted daily/monthly basis:

Deliverables	Description	Frequency
Daily Testing Report (Include all testing Type Such as Functional, Security, Performance, Accessibility, Migration, Interface, user acceptance)	This report will be monitored by the MoF and SIP for daily bug rate and quality of the Product. Track the project timeline achievements.	Daily (after the test cycle starts)
Architecture Review Report (Source Code)	This report captures the product development based on industry standards. If there are any deviations, those shall be indicated to mitigate the future product architecture issues.	Monthly
All Sprint wise report for Testing Criteria.		Based on the Project Plan
Final Operational Acceptance Report	Final Report Including the observation and final certification of the Product.	End of the Project.

6. DATA, SERVICES AND FACILITIES TO BE PROVIDED BY THE CLIENT

All relevant documents for testing such as software requirement specification, design document, SIP Test cases, Test Results, etc. will be provided by the e-GP Secretariat.

7. TEAM COMPOSITION & QUALIFICATION REQUIREMENTS FOR THE KEY EXPERTS

The Consultant's team should comprise the following key professionals and supporting staff at minimum.

Table 3: Experts Requirements

Project Manager	1	<ul style="list-style-type: none"> • Bachelor's degree in Computer or Information system related field required with PMP Certification • Master's degree will be preferred. 	<ul style="list-style-type: none"> • At least 7 years working experience in handling IT related projects with at least 5 years as a project manager. 	(12 Man Months)
Software Architect	1	<ul style="list-style-type: none"> • Bachelor's degree in Computer or Information system related field required 	<ul style="list-style-type: none"> • At least 12 years working experience in handling IT related projects with at least 10 years experience as a Software Architect. • Should have experience as software architect in assignments involving Enterprise level Architecture design in software development; <p>Micro service architecture and PHP and knowledge of MySQL knowledge and Cloud based Solution.</p>	(5 Man Months)
Security Expert	1	<ul style="list-style-type: none"> • Bachelor's degree in Computer or Information system related field required 	<ul style="list-style-type: none"> • At least 7 years working experience in handling IT related projects with . • At least 5 years Similar experience in assignments as a Security Expert. Weightage will be Given for the following cyber security certifications and their experience in terms of assignments handled. 	6 Man Months

			<ol style="list-style-type: none"> 1. Certified Information Systems Security Professional (CISSP) 2. Certified Ethical Hacker (CEH) 3. CompTIA Security+ 4. Certified Information Security Manager (CISM) 5. Offensive Security Certified Professional (OSCP) 6. Certified Cloud Security Professional (CCSP) 7. Certified Information Privacy Professional (CIPP): 	
QA Lead	1	<ul style="list-style-type: none"> • Bachelor's degree in Computer or Information system related field required 	<ul style="list-style-type: none"> • At least 7 years working experience in handling IT related projects. • At least 5 years' experience as a QA Lead • Need Management skills and QA Experience as a QA Lead. • Enterprise level product Quality Assurance experience will be reviewed. 	(16 Man Months)
QA Engineers	2	<ul style="list-style-type: none"> • Bachelor's degree in Computer or Information system related field required 	<ul style="list-style-type: none"> • At least 5 years working experience in handling IT related projects. • At least 3 years Similar experience in QA Engineers • At least 4 years' experience in preparation of and executing the test cases and test plans. 	16 Man Months
IT Infrastructure Specialist	1	<ul style="list-style-type: none"> • Bachelor's degree in Computer, Network 	<ul style="list-style-type: none"> • At least 5 years working experience in handling IT related 	3.5 Man Months

		Engineering or Information system related field required	projects of which -at least 2 years experience in projects as a IT Infrastructure Specialist
--	--	---	---

Note: The consultants may propose additional technical professionals to support the core team appropriate.

However this is a lump-sum payment based contract and therefore, payment will be made on output basis. The man months included only to calculate the approx. period of time.

8. PAYMENT SCHEDULE

Initial Payment – 10 % of the Contract Value will be paid after acceptance of the Inception Report. Remaining amount of the contract agreement will be made at the quoted rates in Sri Lankan Rupees on acceptance of following reports and invoices proving that the Consultant has performed the services satisfactorily during the respective period.

1. Source Code review and Code Standard Report/ Daily Testing report
2. Monthly report including the tasks conducted with each staff's Time Sheet.
3. List of certificates released quarterly. [**Please refer the Annexure 1 of high-level project Plan**]

The payment will be released quarterly based on the output given quarterly.

