

**Terms of Reference
for
Hiring a Firm to Carry Out an Audit on Cloud Standards and Security
Compliance of LGC 2.0**

ICTA/SG2/GOSL/CON/QCBS/2018/005

1. Introduction

Aligned with the national policy of 'Digitization of Economy', ICTA intends to implement several initiatives across the government to increase the efficiency of the government processes and to provide government services effectively and efficiently. In this context, development and improvement of digital infrastructure has been identified as a key area.

Accordingly, ICTA intends to implement an industry standard cloud environment to serve as the 'Lanka Government Cloud 2.0' (LGC 2.0) to provide efficient, cost effective, reliable and secure infrastructure services. When the current technology enhancements and trends are considered, a fully-fledged cloud environment has become an essential need and to serve to the emerging needs of the government.

2. Background

LGC 2.0 will be the central government cloud to facilitate for business critical production applications. Security, reliability, cost-effectiveness and availability are primary requirements and LGC 2.0 shall conform to the industry standards. Currently, implementation of the LGC 2.0 is at the final stage and the environment will be commissioned for service provisioning very soon.

In order to achieve its broad objectives including the industry standards, it is envisaged to engage with third parties who have competencies and expertise in related domains to carry out an audit and provide recommendations. Accordingly, a consultancy firm shall be selected to carry out an audit to assess the current status, future requirements and come up with necessary recommendations.

3. Concise Statement of the Objectives;

Carry out an audit in the areas of cloud architecture and technologies, security, reliability, availability, compliance, governance, best practices and industry standards with regard to the current implementation, future requirements and propose necessary recommendations in the listed areas.

The proposed recommendations will be used for future upgrades and enhancements on priority basis.

4. Scope of Work;

The Scope of Work is defined as below (but not limited to);

- a) Engage with the respective stakeholders (project teams of ICTA, vendors and other) to study the current implementation and the future requirements in the areas listed above.
- b) Critically assess and analyze the gaps towards achieving the objectives for facilitating the emerging needs of the government as an industry standard government cloud.
- c) Prioritize the actions based on critical nature, ability to implement, budget and time-lines.
- d) Document all findings including the current status, gaps and proposed guidelines and recommendations with priorities.
- e) Engage with the stakeholders for obtaining the necessary feedback of the documentation and submit the final report.

5. Deliverables and Time-line

The Consultancy firm will be engaged for a period of 10 weeks. Consultancy firm is required to submit the following list of deliverables;

Table 1. List of deliverables

No.	Deliverables	Due Date
1	Work Plan and Inception Report	Commencement Date + 1 week
2	Initial Draft Report	Commencement Date + 4 weeks
3	Second Draft Report	Commencement Date + 8 weeks
4	Final Report	Commencement Date + 10 weeks

7. Services and Facilities Provided by ICTA

7.1 Existing documents (specifications/architecture/designs of LGC)

7.2 Access to the environment (as and when necessary)

7.3 Arrange meetings with the stakeholders

6. Preferred Qualifications of KEY CONSULTANTS

Key Professional Staff	Academic/ Professional Qualification	Experience in the <u>PROPOSED</u> <u>ROLE</u>	Experience in working in similar projects
Project Manager / Coordinator	B.Sc or equivalent and professional qualifications	5 years	3 projects
Cloud Architect	Post graduate qualifications in related discipline with related professional qualifications	5 years	3 projects
Senior IS Auditor	Post graduate qualifications in related discipline with related professional qualifications	3 years	2 projects
Lead Security Engineer	B.Sc. Degree in Computer Science/Information Systems or related discipline	3 years	2 projects
Legal Expert	LL.M. or equivalent	3 years	2 projects

7. Review Committees and Review Procedures

All deliverables will be reviewed by the team appointed by ICTA