

## **Information and Communication Technology Agency (ICTA) of Sri Lanka**

### **Baseline Assessment and Economic Analysis of “Lanka Government Network 2.0” ICTA/GOSL/CON/QCBS/2016/47**

#### **Summary of the Terms of Reference (ToR)**

##### **1. Project Background**

“Lanka Government Network” (LGN 1.0) project was implemented during 2007 - 2013 within three phases. The ‘Lanka Government Network’ (LGN) is the government owned network which is highly available, secure and reliable underlying information infrastructure backbone that connects 550 government organizations of Government of Sri Lanka in a cost-effective and secure manner.

The project was able to accomplish the connected government concept by providing 512Kbps (minimum) guaranteed bandwidth to each government organization alongside internal networking and basic ICT equipment and provided centralized internet service. Nevertheless, with the emerging needs of the government sector to and also to cater the demand from citizens, the existing network needs a complete performance upgrade with latest technological improvements.

Through Lanka Government Network (LGN 2.0) project, ICTA intends to provide high speed Wide Area Network connectivity with established wireless networks at each government organizations to connect with LGN main backbone and Lanka Government Cloud alongside quality services and many other added advanced technological features with improved security.

Project Objectives:

- a) To provide all the government institutions with minimum of 20 Mbps wide area network (WAN) connectivity ensuring maximum performance for low latency applications (depending on the necessity the capacity can be increased up to 100 Mbps).
- b) To establish wireless network connection (Wi-Fi) within the premises of all the government institutions.
- c) To introduce all the government institutions with fast and unlimited internet packages.
- d) To e-mail facilities, Digital Documentation Management Systems and E-Government Services for all the government institutions by securely integrating them with that of Lanka Government Cloud (LGC 2.0).

##### **2. Purpose of the Consultancy Assignment**

Objectives:

1. To provide a detailed analysis of costs and benefits of the project LGN 2.0 in comparison to the existing situation; make relevant recommendations based on the findings of the analysis.
2. Assess the baseline status of project (LGN 2.0) indicators and validate the indicators and targets.
3. Identify possible challenges and risks that can affect the project performance and advise on appropriate risk mitigation methods.

### **3. Scope of Work and Methodology**

The economic analysis should take into account the cost and benefits pertaining to the project Lanka government network in comparison to the existing situation. The consultant is expected to propose an appropriate framework, methodology and tools for the Economic Analysis which should cover the full analysis process including, determining the cost and benefits to be recognized; specifying the timeframes for the analysis of recognized costs and benefits; categorizing of costs and benefits; monetizing/quantifying the costs and benefits, discounting the cost and benefits to obtain present values, compute a net present value/cost benefit ratio, and performing a sensitivity analysis. The analysis methodology should consists of both quantitative and qualitative data collection and analysis approaches. A detailed description on the scope and methodology will be provided at the time of request for proposals.

### **4. Consultancy Team Qualifications**

The consultancy firm is at the liberty to propose required number and structure of experts appropriate to the study design and approach. However, the key team members should consists of, 1) Team Leader/Economist 2) Monitoring and Evaluation Expert 3) Statistician/Data Analyst 4) Field Manager/ Coordinator.

The assigned team should be able to undertake the full study process including design, data collection, data analysis and report writing within the specified timeframe meeting expected quality standards.

The Consultant/Team should have:

- At least a Masters Degree in Economics (for the Team Leader) from a recognized university and Bachelors of Degree in Economics for other team members
- A minimum of six (6 ) years direct experience in designing and carrying out Economic analysis in the context of development programs/projects
- Demonstrated experience in undertaking national level studies/research/evaluations
- Familiarity with economic analysis methodologies for non-market valuation
- Familiarity with statistical/econometric analytical tools
- Excellent verbal and written communication skills in English and local languages (Sinhala/Tamil)
- Excellent report writing skills
- Good understanding of e-government initiatives and other government led ICT for development (ICT4D) Interventions
- Good facilitation skills and experience in working with government organizations

### **4. Timeframe**

The study is expected to be completed within twelve (12) weeks.