Islamic Republic of Afghanistan
Ministry of communication and IT
Information System Security Directorate

طرح و ایجاد مرکز صدور تصادیق الکترونیکی افغانستان   ریاست امنیت سیستم های معلومات

(Afghanistan Root Certifications Authority)

(توزیع دیجیتل سرتفکیت ها) طبق ستندردهاي بین المللي

Contract Reference No: MCIT/ ICB

Selection Method: ICB

Duration of Assignment: 3 Months

Budget ID: 340118

Background

About Afghanistan Root Certification Authority (ARCA):

The Ministry of Communications and Information Technology (MCIT), Islamic Republic of Afghanistan has a Project of how to Implement Root Certificate /CA in Afghanistan which will Funded from the Government of Afghanistan, Project and intends to apply part of the proceeds to hire a qualified Consultancy Firm to provide Advisory Services to MCIT, to carry out assessment of current status of Afghanistan Root Certificate Authority (ARCA) of Information System Security Directorate. This Consultancy Support will be provided to MCIT/government at Kabul, under the Project Preparatory to Create ARCA for the country. The aim of the Project is to mention the Types of Digital Certificates through PKI System in Afghanistan for changing Afghanistan into digitalizing Afghanistan the society and economy through e-Governance initiatives and to prepare an enabling environment and Regulations for the growth of ICT Sector in Afghanistan. To contribute towards achievement of some of the above-mentioned objectives of ARCA Project, MCIT has decided to avail the consultancy services of a Consultancy Firm to provide Advisory Services to MCIT, to carry out assessment of Creating ARCA.

Our Mission & Vision:

Vision:

➢ To create Trust in Electronic Transactions.

Mission:

➢ To create Trust in Electronic Transactions.
➢ Authentication of transactions performed in the Electronic environment.
➢ Implementation of authentication system in electronic environment through Public Key Infrastructure (PKI)
➢ To create awareness about the authentication techniques in the PKI.

Detailed Description of the Services:

After signing the contract, the selected consultants company must perform the following activities:

- ➤ Assessment of Afghanistan Root Certificate Authority (ARCA) objective is to provide comprehensive report on ARCA maturity level and areas of improvement, including actionable plan with estimated budgets.
- ➤ Assessment final report should also recommend a comprehensive and working infrastructure design for ARCA to meet the all demand of Afghanistan ICT infrastructure both public and private. Sectors
- ➤ Assessment of the current usage of technology in the government of Afghanistan and mentions the types of Digital certificates for them through ARCA.
- ➤ Assessment of the ARCA stuff according the ARCA project and mention the relevant training for the stuff.
- ➤ Must visit the old RC which was established in past years at MCIT.
- ➤ Work breakdown plan of the project has to be submitted prior the project start.

Deliverables:

The firm is required to submit the following three deliverables:

1. Inception Report: In this report the firm shall prepare its methodology for completing the assignment, available resources and any other task required for successful completion of the contract.

2. Second Report/Assessment/Draft Report :) this report must have comprehensive solutions to the current status based on statistics and data gathered).

3. Final Report (full detail step-wise solutions and recommendations, technology, Staff, trainings and others).

Scope of work.

The assessment of Afghanistan Root Certificate Authority (ARCA) includes an overall assessment based on a well know model. The assessment must find out the maturity of ARCA and an infrastructure design to meet the demand and needs of current and future public and private ICT infrastructure.
Ministry of Communication and IT now invites eligible consulting firms ("Consultants") to
Indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the services.

The shortlisting criteria are:

1. The National & International Consultancy Firm must have at least Five to Eight (5-8) years of experience in assisting Root Certificate Authority development; Description must be provided.
2. Firm must have experience of recent and successful Root Certificate Authority development buildouts at least in minimum two (2) countries and last two assignments must not prior than 2017. (Customers references must be provided.)
1- Firm must have an Annual Turn Over of 120,000 (One hundred and twenty) Thousand USD (in any of the last 5 years); Documents must be provided.
3. Firm must have at least five expert (5) Root Certificate Authority (PKI) Experts 1, Analysis & Design 1, PKI System Security 1, DB Expert 1, PKI System Admin 1, Report writer for assessment
4. and other required) with extensive experience in the field.
5. Firm should have issued SSL certificates and root certificates before. These certificates must be in the trusted list of well-known browsers (e.g. Internet Explorer, Mozilla Firefox). Documents must be provided
6. Firm should have at least 15 years of experience on issuing X.509 certificates. Documents must be provided
7. Firm should issue at least 2 Million qualified certificates up to now. Documents must be provided.
8. Firm must provide proof of at least two similar scope assignment experience conducted in the past 4 years.
9. A consultant firm will be selected through Quality and Cost Based Selection (QCBS) method as defined in Afghanistan procurement Regulation for selection and employment of the company.

10. Certificate from one of the service providers- Must have authorization letter and must be verified by the root organization.
11. Must visit ANDC & DR to conduct the assessment.
12. Must visit ANDC customers (Private Sectors and Government Agencies).
13. Afghanistan Market Evaluation must be done regarding root certificate. (Pricing and Purchasing)
14. Must do assessment of the current infrastructure and team and provide report.
15. Must provide standard reports regarding every single point.
16. The assessment should be done on official documents.
17. After signing the contract, the consultancy must complete the task within 3 months.
18. Physical presence of technical is acquired seven to ten days.
19. Work permit has to be received from relevant department/s (MCIT is not responsible for this process), according to Afghanistan Law.
20. Deliverables and Reporting
21. Deliverables and Payment Schedule

Employee Expertise, Qualification and Experience:
Employee Expertise:

The consultancy staffs for the assessment should have Core function concept of PKI, Certificate authority CA, Encryptions, Algorithms, Hashing, Signing, Key pairs, Root Key generation ceremony, PKI Related Protocols, CRL and etc.……

Employee Qualification:

Must have bachelor or master's in Computer science or Information technology plus with the following certifications.

- Certified Information Security Manager (CISM)
- Certified Information Systems Security Professional (CISSP)
- Cisco certified Network Professional Security (CCNP Security)
- CEH (*Certified* Ethical Hacker)
- OCA (Oracle database Administration) Certified.
- Note: Equalent courses will be considered while evaluation of the offers.

Employee Experience:

The engineer for the task must have five years of relevant experience and for each member assigned to this task must send the CV prior the contract reveal.

Terms of Payment:

After completion rate of Inception assessment Report MCIT will be pay 20% payment of the contract amount.

After Completion rate of second assessment report MCIT will be Pay 30% payment of the contract amount.

After Completion rate of Final assessment report MCIT will be Pay 50% payment of the contract amount.

Expressions of interest must be delivered in a written form to the address below (in person, by mail, or by e-mail) by:

Procurement Director Ministry of Communication and IT

14th floor, Room No. 914 Mohammad Jan Khan Watt, Kabul, Afghanistan

Phone Number: +93 (0) 796271312 Email: m.tech1369 @gmail.com:

Web site: www.mcit.gov.af