



## **REQUEST FOR PROPOSALS**

### **PROCUREMENT AND DEPLOYMENT OF LAN INFRASTRUCTURE AT NATIONAL ICT R&D FUND**

**Selection of the Firm**

**July 14, 2013**

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Note:

1 – Scope of Work is the basic document, which the bidder is required to comply with. Additional information in RFP is provided for submission of the complete bid documents in respect of both the financial and technical bids.

2- In case of any contradiction between Scope of Work and RFP, conditions mentioned in Scope of Work will have priority.

3- Issues, if any, may be raised with in specified time for verification.

4- Queries and responses thereof would be published on Company website which will be binding for compliance purpose.

## REQUEST FOR PROPOSALS

### PROCUREMENT AND DEPLOYMENT OF LAN INFRASTRUCTURE AT NATIONAL ICT R&D FUND

#### 1.0 Company Background

1.1 Pakistan has witnessed a phenomenal growth in its telecom industry. The government of Pakistan has mandated that a certain percentage of gross revenue generated by all telecom service providers be allocated to development and research of information and communication technologies with the vision to transform Pakistan's economy into a knowledge based economy by promoting efficient, sustainable and effective ICT initiatives through synergic development of industrial and academic resources. To achieve this vision National ICT R&D Fund, hereafter referred as the Company, has been created. This vision will be realized by pursuing the following goals:

- Cultivate industry-academia partnership by funding concrete development and research initiatives.
- Enhance the national ICT related human resource development capacity manifolds by facilitating industrial demand focused human resource capacity building and R&D capabilities in the country and promoting ICT related educational programs and activities.
- Make Pakistan an attractive destination for service oriented and research and development related outsourced jobs.
- Use ICT as a tool for wealth creation and upward mobility for economically challenged groups of citizens.
- Spread the ICT activities on a true national level.

#### 2.0 Assignment Background and Needs:

National ICT R&D Fund (The Company) intends to deploy a centralized & secured LAN Infrastructure at its office in Islamabad, Pakistan. The Company invites proposals/bids from Pakistan based IT firms/companies, hereafter referred as "**Bidder**" for provision of all hardware, software, peripherals and other resources to deploy a complete LAN infrastructure solution. Details about requirements of all hardware, software & peripherals are provided in this document.

2.1 The consultants/firms are invited to submit a Technical Proposal along with a Financial Proposal as per the Scope of Work given in this RFP. The proposal will be the basis for contract finalization with the selected Consultant.

2.2 The intended consultants/firms must familiarize themselves with local conditions and take them into account while preparing their proposals.

2.3 Please note that (i) the costs of preparing the proposal and of finalizing the contract, including visits for discussion with R&D Fund are not reimbursable and (ii) the company reserves the rights to accept or reject any or all of the proposals submitted, without assigning any reason thereof.

2.4 The Company requires that the hired consultant/firm provides professional, objective, impartial advice and services and at all times hold the Company's interests paramount, without any consideration for future work, and strictly avoid conflicts with other assignments or their own corporate interests. Consultants shall not be hired for any assignment that would be in conflict with their prior or current obligations to other clients, or that may place them in a position of not being able to carry out the assignment in the best interest of the Company.

2.5 Without limitation on the generality of this rule, consultants/firms shall not be hired under the circumstances set forth below:

- a. A consultant/firm, who has been engaged by the Company to provide goods or works for a project, and any of their affiliates, shall be disqualified from providing consulting services for the same project. Conversely, a consultant hired to provide consulting services for the preparation or implementation of a project, and any of their affiliates, shall be disqualified from subsequently providing goods or works or services related to the initial assignment (other than a continuation of its earlier consulting services) for the same project.
- b. Consultants/firms or any of their affiliates shall not be hired for any assignment which, by its nature, may be in conflict with another assignment of the consultants.

2.6 In case of a legally formal consortium / Joint venture the lead company may be indicated in the bid which could sign the contract and be responsible for the Joint venture/ consortium. If all products and services are not provided by one firm they are expected to create a legally valid Partnership / consortium/ JV/ contractual relationship.

2.7 The Solution provider shall provide details of its financial position. Income Statement or Annual Report should be included in the detailed Technical proposal. National Tax Numbers and Sales Tax Registration Numbers of the company and/or partners should also be indicated (Photo copies of concerned documents should be provided).

2.8 Bidding for a few items within this RFP is not allowed.

### **3.0 Scope of Work**

Scope of work for the proposed project is as follows:

#### **3.1. Server Hardware**

Provision of Server Machines and Server Rack equipment please refer to “**Appendix A-I**” for details.

#### **3.2. Server Software**

Genuine & Perpetual Licensed Software Please refer to “**Appendix A-II**”.

#### **3.3. Server Services & Other Deliverables**

Please refer to “**Appendix-A-III**”.

#### **3.4. Network Hardware**

Please refer to “**Appendix B-I**”.

#### **3.5. Network Services & Other Deliverables**

Please refer to “**Appendix B-II**”.

### **4.0 Clarification and Amendment of RFP Documents**

4.1 Consultants/firms may request in writing for clarification of any of the provisions of the RFP documents no later than 10 (ten) days before the proposal submission date. Any subsequent queries will neither be entertained nor responded. Any request for clarification must be sent in writing by mail, facsimile, or electronic mail to the Company’s address indicated below. The Company will respond by facsimile or electronic mail to such requests and will send written copies of the response (including an explanation of the query but without identifying the source of inquiry) to all participating consultants who intend to submit proposals.

The address for requesting clarifications is:

Manager Administration  
National ICT R&D Fund  
6th Floor, HBL Tower, Blue Area  
Islamabad, Pakistan  
Tel: (92-51) 9215360-65,  
Fax: (92-51) 9215366  
Email: [nelofar.arshad@ictrdf.org.pk](mailto:nelofar.arshad@ictrdf.org.pk)

4.2 At any time before the submission of proposals, the Company may, for any reason, whether at its own initiative or in response to a clarification requested by an intended

Consultant/firm, amend the RFP and notify the parties. Any amendment shall be issued in writing through addenda and it shall be sent by mail, facsimile, or electronic mail to all interested consultants and will be binding on them.

4.3 All questions concerning the RFP must mention the RFP page number, section heading, and paragraph. The question(s) must be concisely stated and numbered in sequential order.

4.4 The Company may at its sole discretion extend the deadline for the submission of proposals.

## **5.0 Preparation of Proposal**

5.1 Consultants/Firms are requested to submit their proposals before but not later than 30 July, 2013 at 15:00 Hrs. Proposals must be in English language and the financial proposal must be in Pak Rupees irrespective of origin of the intended consultant/firm.

5.2 Please note the following as part of the bid submission:

- a) Any exceptions to the specifications established herein shall be listed in detail on a separate sheet attached hereto.
- b) Proposals not conforming to the instructions provided herein will be subject to disqualification at the sole option of the Company. Bidders are required to submit proposals in accordance with Proposal Submission Format, provided at the end of this document in Section 2 and 3, Appendix D-I & D-II. Proposals not found in the given format shall be liable to rejection.
- c) Bids submitted via email or fax will not be entertained

### **Technical Proposal**

5.3 In preparing the Technical Proposal, intended consultants/firms are expected to examine the scope of work and all related documents constituting this RFP in detail. Material deficiencies in providing the information requested may result in rejection of the proposal.

5.4 While preparing the Technical Proposal, intended consultants/firms must give particular attention to the following:

- i. If an intended consultant/firm considers that it does not have all the expertise for the assignment, it may include in the proposal name of sub-consultants/

experts by associating with them either as individual consultant(s) and/or other consultants or entities in a joint venture. Foreign consultants may associate local consultants by entering into a joint venture, (or subcontracting the assignment) clearly spelled out in the offer.

- ii. The Bidder should be authorized Partner/reseller/distributor, from the original manufacturer, for the Server Hardware/ Software /active Networking components/Server room infrastructure. All hardware equipment mentioned in point above should have three years comprehensive onsite warranty including parts and labor.
- iii. All Software loaded on active equipment should have warranties for minimum three years (not applicable to perpetual licenses, Appendix All) against defects/bugs as well as updates.
- iv. The end user licenses, end user warranties and end user contracting support services will be in the name of “National ICT R&D Fund”, for all the equipment and Software loaded on the equipment delivered during the course of the project.
- v. No refurbished and used equipment will be supplied during the course of the project.

**Core Team Members:**

5.5. The consultant/firm will ensure availability of a dedicated professional team with relevant specialized qualifications. Each member should possess appropriate relevant experience preferably of working in environments similar to that of the company and on assignments relevant to this project. The detailed resumes/CVs of the professionals should also be provided along with the proposals.

**Team Leader:**

5.6 The consultant will nominate team leaders from amongst the core team members. The Team leaders will have good experience in lead position. The team leader should have considerable experience in carrying out tasks of similar nature and of similar or bigger scope.

Other requirements for the staff are enumerated as follows:



- i. It is the company's preference that majority of the key professional staff proposed be permanent employees of the Consultant/firm or have an extended and stable working relationship.
- ii. Professional staff must have the experience indicated in the RFP preferably working under conditions similar to the assignment at hand.
- iii. Similarly capable alternative professional staff shall also be proposed.
- iv. Reports to be issued by the consultants as part of this assignment must be in English. It is desirable that, if not all, some of the consultant's personnel possess working knowledge of the Company working.

5.7 Technical Proposal shall provide the following as per Standard Forms Section 2 (Appendix D-I):

- i. Corporate Profile of the Consultancy firm including background of the firm, Core Business Area, Partnerships, Number of total and technical permanent employees, presence in Pakistan and Annual revenue (Appendix D-I, 2B-Corporate profile).
- ii. Comparison of proposed technology, expert level suggestions recommended by solution and compliance with the specifications mentioned in relevant Annexures. (Appendix D-I, 2C-Technology Roadmap)
- iii. Specific experience of the consultant/firm relating to this assignment should be provided. (Appendix D-I, 2D-Relevant Experience)
- iv. Details of the proposed core team members to each task that would be assigned and team lead roles and responsibilities (Appendix D-I, 2E-Project team).
- v. A description of the methodology and work plan for performing the assignment should be provided (Appendix D-I, 2F-Project Management Capabilities).
- vi. Proven quality of support services provided by the firm (Appendix D-I, 2G-Support and Services)

- vii. Trainer's Profile, Years in training business and training methodology (Appendix D-I, 2H-Training Roadmap)

5.8 The Technical Proposal shall not include any financial information.

5.9 Call deposit, in the form of a separate demand draft valuing 500,000/= PKR as earnest money in favor of National ICT R&D Fund must be attached in the technical proposal.

### **Separate Financial Proposal**

5.10 In preparing the Financial Proposal, consultants/firms are expected to take into account the requirements and conditions outlined in the RFP documents. The Financial Proposal should follow Standard Form (Section 3).

5.11 The proposal should clearly state that the fee and price quoted is inclusive of all the local taxes, duties, fees, levies, and other charges under the Pakistani law, on the consultants/firms, the sub-consultants, and their personnel, as applicable during the currency of proposal submission. The Consultant/firm should further state that deposit of all such taxes, duties, fees, levies and other charges shall be the sole responsibility of the Consultant/firm and company will not be held responsible for any short/excess payment of any of the aforementioned charges.

5.12 Consultants/Firms should express the price of their services in Pakistani Rupees.

5.13 Commissions and gratuities, if any, paid or to be paid by consultants/firms and related to the assignment will be listed in the Financial Proposal submission form (Section 3A).

5.14 The proposal must remain valid for a period of 90 days after the submission date. The consultant is expected to keep available the professional staff proposed for the assignment during this period. If the company wishes to extend the validity period of the proposals, the consultants who do not agree have the right not to extend the validity.

### **TERMS OF PAYMENT**

5.15 The payments shall be made in Pak Rupees in form of a crossed cheque and shall be disbursed according to the following plan for the respective Purchase Order. Withholding tax(es) will be deducted as per rules.

## Payments/Disbursement Plan

No.	Survey Milestone	Amount Payable
1	Mobilization Advance	20%
2	Upon delivery of all hardware, software & peripherals	30%
3	Upon successful installation and configuration of HW/SW	15%
4	Upon completion of testing and deployment of LAN.	15%
5	Upon Provisioning of all services, trainings and documentation	10%
6	On issuance of Final Acceptance Letter from the Company	10%

5.16 The successful vendor shall be required to deposit in the form of a Bank Guarantee, a Performance Bond, a sum equivalent to ten percent (10%) of the contract value. This Bank Guarantee shall be issued by a scheduled bank operating in Pakistan and shall be kept valid from the date of issue, until six (6) months after all contractual obligations have been fulfilled (this includes the warranty period). The Company shall forfeit the Performance Bond if the Bidder breaches any of its obligations under the contract.

5.17. The contract to be executed between the Company and the selected vendor will contain penalty clauses for delay in the implementation schedule as well as failure to comply with the provision of providing the required services during the post-approval phase.

## 6.0 Submission, Receipt, and Opening of Proposals

6.1 The original proposal (Technical and Financial Proposal) be prepared without any interlineations or overwriting.

6.2 An authorized representative of the intended consultant/firm will initial all pages of the proposal with official stamp affixed on the same. The representative's authorization should be confirmed by a written power of attorney accompanying the proposal.

6.3 For both Technical and Financial proposals, the consultants shall prepare two copies including any computer models used in developing the proposals. Each Technical and Financial Proposal shall be marked "ORIGINAL" or "COPY" as appropriate. If there are any discrepancies between the original and the copies the original governs.

6.4 The original and two copies of the Technical Proposal shall be placed in a sealed envelope clearly marked "Technical Proposal," and the original and all copies of the Financial Proposal in a sealed envelope clearly marked "FINANCIAL PROPOSAL" and warning: "DO NOT OPEN WITH THE TECHNICAL PROPOSAL." Both envelopes, along with a sealed earnest money envelope, shall be placed into an outer envelope and sealed. The proposal submission address is:

Manager Administration,  
National ICT R&D Fund  
Ministry of Information Technology  
6th Floor, HBL Tower, Jinnah Avenue, Blue Area,  
Islamabad, Pakistan.  
Tel: (92-51) 9215360-65, Ext. 104  
Fax: (92-51) 9215366  
Email: [nelofar.arshad@ictrdf.org.pk](mailto:nelofar.arshad@ictrdf.org.pk)

The outer envelope should bear the following:

**Procurement and Deployment of LAN Infrastructure**

6.5 The completed Technical and Financial Proposals must be delivered at the submission address on or before the closing time of official business on the **30 July, 2013 at 1500 Hrs.** Any proposal received after the closing time for submission shall be returned unopened.

6.6 After the deadline for submission of proposals, the Technical Proposal shall be opened by the evaluation committee.

**6.7 Schedule of Opening of Bids**

Serial #	Activity	Dates
1	RFP Issue Date	14.7.2013
2	Proposal Submission Deadline	July 30, 2013 at 1500 hrs

3	Opening of Technical Proposals (in front of applicants at 6th Floor, HBL Tower, Jinnah Avenue, Blue Area, Islamabad)	July 30, 2013 at 1530 hrs
4	Opening of Financial Proposals(in front of applicants)	To be communicated by Manager Admin
5	Notice of Intent to Award (LOI)	To be communicated by Manager Admin

## 7.0 General Terms of Proposed Evaluation

7.1 From the time the bids are opened to the time the contract is awarded, if any consultant/firm wishes to contact the Company on any matter related to its proposal, it should do so in writing at the above mentioned address.

7.2 Any effort by the bidders to influence the Company, in the proposal evaluation, proposal comparison or contract award process shall result in automatic disqualification.

7.3 Evaluators of Technical Proposals shall have no access to the Financial Proposals until the technical evaluation is concluded.

### Evaluation of Technical Proposals

7.4 Refer Appendix C. Before Technical Evaluation, the bidders that meet the minimum Eligibility Criteria i.e., Mandatory Eligibility Criteria shall be evaluated further for Technical Evaluation. The proposals submitted by bidder that does not meet Eligibility Criteria (Mandatory Eligibility Criteria) shall be rejected and shall not be evaluated further.

7.5 The evaluation committee, appointed by the company as a whole, and each of its members individually, evaluates the proposals on the basis of their responsiveness to the scope of work, applying the evaluation criteria, sub-criteria and point system as specified below. Each responsive proposal will be given a technical score (St). A proposal shall be rejected at this stage if it does not respond to important aspects of the RFP or if it fails to achieve the minimum technical score indicated below.

S. No.	Category	Weight
1.	Corporate Profile	10%
2.	Technology Roadmap	10%
3.	Relevant Experience	25%
4.	Project Team	20%
5.	Project Management Capability	10%

6.	Support & Services Capabilities	15%
7.	Training	10%

The minimum technical score required to pass: **60%**

**Public Opening and Evaluation of Financial Proposals:**

7.6 After the technical evaluation is completed, the company shall notify those consultants/firms whose proposals did not attain the minimum technical score or were considered non-responsive to the RFP, indicating that their Financial Proposals will be returned unopened after completing the selection process. The company shall simultaneously notify the consultants/firms that have secured the minimum qualifying mark, indicating the date and time set for opening the Financial Proposals. The notification may be sent by registered letter, facsimile, or electronic mail.

7.7 The Financial Proposals shall be opened publicly in the presence of the consultants' representatives who choose to attend. The name of the consultant, the technical scores, and the proposed prices shall be read aloud and recorded when the Financial Proposals are opened. The Company shall prepare minutes of the public opening.

7.8 The evaluation committee will determine whether the Financial Proposals are complete (i.e., whether they have covered all items of the corresponding Technical Proposals; if not, the company will cost them and add their cost to the initial price) and will correct any computational errors. In case of any computation error in the price, the quantity multiplied by rate will prevail. The evaluation shall exclude those taxes, duties, fees, levies, and other charges imposed under the Pakistani law if included in the bid by the bidder in respect of his foreign partners/consultants.

7.9 Single stage – two envelope procedure as laid down in Public Procurement Rules 2004 and attached at Annex E would be followed for the evaluation and final selection of the consultant/firm for the award of this consultancy. The weights given to the Technical (T) and Financial (F) proposals are:

<b>Proposal</b>	<b>Weight</b>
Technical	70%
Financial	30%
<b>Total</b>	<b>100%</b>

The lowest priced Financial Proposal (Fm) will be given a financial score (Sf) of 100 points. The financial scores (Sf) of the other Financial Proposals will be computed as per

the formula i.e.  $S_f = 100 * F_m / F$ , in which  $S_f$  is the financial score,  $F_m$  is the lowest price and  $F$  the proposal under consideration.

The Proposals will be ranked according to their combined technical ( $S_t$ ) and financial ( $S_f$ ) scores using the weights (T & F) in the formula i.e.  $S = S_t * T\% + S_f * F\%$ . The firm achieving the highest combined technical and financial score i.e. lowest Evaluated Bid, as per QCBC formula, will be invited for negotiations.

## 8.0 Award of Contract

8.1 The contract will be awarded upon completion of evaluation of bids and the company will promptly notify other consultants/firms on the shortlist that they were unsuccessful and return the unopened Financial Proposals of those consultants/firms who did not pass the technical evaluation along with their call deposit fee.

## 9.0 Confidentiality

9.1 Information relating to evaluation of proposals and recommendations concerning awards shall not be disclosed to the consultants/firms who submitted the proposals or to other persons not officially concerned with the process, until the successful consultant/firm has been notified that it has been awarded the contract.

## 10.0 Implementation Schedule

10.1 Implementation Schedule with each milestone & timescale is provided in following table.

Serial No.	Milestone	Time Scale
1	Signing of Contract	Two weeks after the issuance of LOI
2	Supply of Equipment (All hardware, software & peripherals)	Within Eight to Ten weeks after Signing of Contract
3	Installation and Configuration	Within two week after Supply of Equipment
4	Testing, Deployment.	Within a week after Installation & Configuration
5	Documentation	Within two week after Installation

## Appendix A-I: Server Hardware Requirements

Infrastructure Hardware			
SR. #	Item	Description	Qty
1	Blade Server Chassis	Support 8 Hot swappable Blade server of full height	1
		2 Management Modules	
		Redundant Power Supplies	
		Support Redundant hot swappable switches	
		Two GE switches with total 8 GE ports Two FC switches with total 12 FC ports	
		Support hot swappable and redundant cooling fans	
		The mid-plane or back-plane must be complete passive without any active components on it like resistors, capacitors, etc.	
		Should have one external DVDRW-CD	
		Support failure tracking with real-time logs	
2	Blade Servers	<b>Blade Server Hot swappable</b>	8
		2 x Intel Sandy Bridge E5-2620 2.00GHz, 6 core processors	
		64 GB RAM DDR3-ECC (@1333MHZ)	
		Support minimum 24 memory slots	
		RAID card ( RAID0, 1, 1E)	
		2 * 300 GB 10k rpm 2.5inch Hot-Swappable HDDs	
		2 GE ports	
		2 * 8G FC ports	
		Integrate the BMC and Supports IPMI, SOL, KVM Over IP, and virtual media	
Support Windows, Linux, SUSE operating system			
Support Citrix XenServer, VMware ESX			
3	SAN	Active-Active dual controllers	1
		8 GB Cache	
		10K RPM SAS Hot-Swappable HDDs( total 30TB raw capacity) No license fee is charged for capacity expansion	
		8 iSCSI ports and 8 * 8G FC ports for front-end interfaces	
		Integrated management software	
4	Server rack	42U, Vendor-neutral mounting with all EIA-310 compliant 19" equipment, Adjustable mounting rails, Adjustable leveling feet	1



		Two Rack Power Distribution Unit	
		Vertical Cable Organizer	
		8 port IP KVM Switch with 2U 17"/21"LCD and Keyboard, Touchpad	
5	Tape Drive Library	<p>Should Support Microsoft Platform</p> <p>Support the latest Linear Tape Open (LTO) Technology.</p> <p>Remote library Management through a standard web interface</p> <p>LTO Ultrium 6 full-height and half-height; LTO Ultrium 5 full-height and half-height; LTO Ultrium 4 full-height and half-height</p> <p>8 Gbps Fiber Channel and 6 Gbps SAS interface, LVD SCSI, 4 Gbps Fiber Channel and 3 Gbps SAS interface (Ultrium 4 full-height)</p> <p>Physical Capacity: <b>Cartridge capacity</b> Up to 6.25 TB compressed 2.5:1 with LTO Ultrium 6; 2.5 TB native Up to 3.0 TB compressed 2:1 with LTO Ultrium 5; 1.5 TB native 1.6 TB compressed 2:1 with LTO Ultrium 4; 800 GB native <b>Library capacity</b> 150 TB compressed 2.5:1 with LTO Ultrium 6; 60 TB native 72 TB compressed 2:1 with LTO Ultrium 5; 36 TB native 38.4 TB compressed 2:1 with LTO Ultrium 4; 19.2 TB native</p> <p>Data Transfer rate (per drive) Up to 160 mbps native with LTO Ultrium 6 Up to 140 mbps native with LTO Ultrium 5 Up to 120 mbps native with LTO Ultrium 4</p> <p>Redundant Power Supply and Rack mountable 2U</p> <p>Warranty: Three-year</p>	1
6	Tape Cartridges	Minimum 3.0 TB Compressed 2:1 with LTO Ultrium 5; 1.5 TB native	20

**Note:** All equipment/components should be new and Refurbished equipment/components will not be accepted.

**\*Bidder having certified experts in all of the above mentioned equipment will be given preference**

**Appendix A-II: Server Software Requirements (Genuine and Perpetual Licensed)**

<b>Software Licenses</b>		
<b>SR.#</b>	<b>Software</b>	<b>Qty</b>
1	Microsoft Windows Server Data Centre 2012 Government	8
2	Microsoft Core CAL Suite Government	200
3	Microsoft Exchange Server Standard 2013 Government	4
4	Microsoft Threat Management Gateway Standard 2010 Government or Equivalent	2
5	Microsoft Lync Server Standard 2013 Government	1
6	Microsoft System Centre Data Center Government	8
7	Microsoft SQL Server Standard Edition 2012 Government	2
8	Microsoft SQL Server Std CALs Government	10
9	Microsoft SharePoint Standard Server 2013 Government	4

**Note:** All the software should have perpetual licenses and latest Production release

\*Bidder having certified experts in all of the above mentioned Software will be given preference.

## Appendix A-III: Server Services & Other Deliverables

### 1. Services

In order to enhance the services provided to the users and to also enhance and upgrade to the latest version of server software, ICT R&D wants to implement a turn-key solution for Microsoft Active Directory, Microsoft Exchange, Microsoft Lync, Microsoft Forefront TMG, System Center Data Centre and related Software, Hardware, Services and Trainings.

Sr. #	Technology	Implementation
1.	Active Directory Domain Services (AD DS) Primary /Backup	<ul style="list-style-type: none"> <li>• OS and Related Components Installation</li> <li>• AD DS Forest and Domain Implementation</li> <li>• Fault Tolerant Domain Infrastructure with Active Directory Roles Distribution</li> <li>• Secure DNS &amp; DHCP Services to Support Organizational Infrastructure</li> <li>• Users &amp; Desktop Management using OU and Group Policy</li> <li>• Users, Groups &amp; Service Account Creation</li> <li>• Organizational Computers Online &amp; Offline Domain Joining</li> <li>• Implementation of Directory Auditing</li> <li>• Implementation of Site and Services</li> <li>• Backup and Recovery of related Data</li> <li>• Systems and Server Security according Microsoft Security recommendations and best practices</li> <li>• Joining all the Users with the Domain</li> <li>• Implementation of Federation.</li> <li>• Domain Joining on all the Client machines</li> <li>• Server Hardening</li> </ul>
2.	Certificate Authority (CA)	<ul style="list-style-type: none"> <li>• Offline Root Certification Authority</li> <li>• Enterprise Subordinate Certification Authority</li> <li>• Configuration of Certificate Templates</li> <li>• Issuance of Certificates to Email, Web, Computers and Users.</li> </ul>
3.	Exchange Server 2013 / Exchange Edge	<ul style="list-style-type: none"> <li>• Preparation for an Exchange Server 2013 Installation</li> <li>• Installation of Exchange Roles (Mailbox, Hub, UM, CAS, Edges)</li> <li>• Configuration of Mailbox Server Roles</li> </ul>

		<ul style="list-style-type: none"> <li>• Quotas on Mailboxes</li> <li>• Mailboxes &amp; Other Recipients Management</li> <li>• Configuration of E-Mail Address Policies</li> <li>• Configuration of Address Lists</li> <li>• Configuration of Client Access Services for Outlook Clients</li> <li>• Outlook Web Application Configuration</li> <li>• Configuration of Mobile Messaging &amp; Mobile Policies</li> <li>• Deployment Edge Transport Servers</li> <li>• Deploying an Antivirus Solution</li> <li>• Anti-Spam Solution Configuration</li> <li>• Configuration of Secure SMTP Messaging</li> <li>• Configuration of Transport Rules</li> <li>• Configuration of Journaling and Multi-Mailbox Search</li> <li>• Configuration of Messaging Records Management</li> <li>• Personal Archives Configuration</li> <li>• Redundant &amp; Fault Tolerant Messaging and Transport Infrastructure</li> <li>• Implementation of Anti-spam, Anti-virus solution</li> <li>• Secure Email Access for Mobiles, Web based Clients, Internet Users and Branch Offices</li> <li>• Secure Email Gateway Implementation</li> <li>• Address Lists, Distribution Lists, Sharing</li> <li>• Best Practice Analyzer</li> <li>• Calendar settings, Calendar Management &amp; Sharing</li> <li>• Tasks settings, Task Management &amp; Sharing</li> <li>• Meeting Settings, Meeting Management &amp; Sharing</li> <li>• Web based Email</li> <li>• Configure MS Outlook 2010 based clients to work in a centralized environment of Exchange Server</li> <li>• Transfer existing email accounts &amp; existing data of users to Exchange server</li> <li>• Configure Symantec Mail Security on MS Exchange Server to ensure security against viruses, spam, spyware, phishing, and</li> </ul>
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		<p>other attacks</p> <ul style="list-style-type: none"> <li>• Server Hardening</li> </ul>
4.	Microsoft Lync /Lync Edge	<ul style="list-style-type: none"> <li>• Design and Deployment of Lync Services</li> <li>• Configuration of Lync Control Panel, Lync Management Shell, and Role Based Access (RBAC)</li> <li>• Automated Client Deployment &amp; Policies</li> <li>• Deployment of Edge Server and Configuration for Remote Access</li> <li>• Enterprise Voice Deployment</li> <li>• Configuration of Enterprise Voice, Call Park &amp; Announcement Services</li> <li>• Integration with Existing Telephony Infrastructure</li> <li>• Web Conferencing</li> <li>• Integration with Exchange UM</li> <li>• Response Group Services</li> <li>• Dial-in Conferencing and Policies</li> <li>• Archiving and Monitoring Services</li> <li>• Installation of clients on user machines</li> <li>• Server Hardening</li> </ul>
5.	Threat Manageme nt Gateway or Equivalent	<ul style="list-style-type: none"> <li>• Installation of Forefront TMG on a Windows Server 2012 server</li> <li>• Implementation of web access policies including inspection of HTTPS sessions</li> <li>• Web Publishing to publish Exchange Web Services</li> <li>• Installation of Active Directory LDS and Exchange Edge Server</li> <li>• Configuration of Exchange Edge Sync</li> <li>• Configuration of E-mail Policy</li> <li>• Implementation of Spam Filtering, Malware Filtering, and Content Filtering</li> <li>• Secure Publishing of Lync Web Services</li> <li>• Server Hardening</li> </ul>
6	SharePoint Server 2013	<ul style="list-style-type: none"> <li>• Installation and Configuration of Share Point Server Services</li> <li>• Link Database with SQL Server 2012</li> <li>• Provides users with Exclusive rights to a document.</li> </ul>

		<ul style="list-style-type: none"> <li>• Version control</li> <li>• Content Approval</li> <li>• SharePoint Services usability</li> <li>• Compatibility with other Software like MS Office 2007 &amp; 2010 for Windows, MS Office 2008 &amp; 2011 for Macintosh</li> <li>• Implement SharePoint services security</li> <li>• Active Directory and NIH Login Integration</li> <li>• F5 Load balancing and automatic failover</li> <li>• 24x7 site monitoring SQL 2012 database replication</li> <li>• Document level backup and restore</li> <li>• Options for managing site growth</li> </ul>
7	SQL Server 2012	<ul style="list-style-type: none"> <li>• Installation and configuration of SQL Server 2012</li> <li>• Implements the SQL Server database engine</li> <li>• Implements the agent that runs SQL Agent jobs and alerts</li> <li>• Implements the full-text search engine.</li> <li>• Manage distributed transaction</li> <li>• Implements the SQL Server analysis Services</li> <li>• Implement SQL Active directory Helper Service.</li> <li>• Implement SQL Server Reporting &amp; Integration Services</li> <li>• SQL Server VSS Writer</li> </ul>
8	Microsoft System Centre Data Center	<ul style="list-style-type: none"> <li>• Install and configure Microsoft System Centre Data Center with its full functionality.</li> </ul>
9	Tape Drive Library	<ul style="list-style-type: none"> <li>• Configure tape drive library for backup.</li> </ul>

## 2. Training

- I. Certified (MOC based) Training on all the installed services (please refer to Appendix AIII) through trainers (certified to relevant software/service) to successfully manage all the above deployed services.
- II. The training will be provided to one (01) person nominated by Company.

- III. The Bidder will also provide all the relevant material along with trainings.
- IV. The premises and equipment required for the trainings will be managed by bidder.

### **3. Technical Support Services**

A free technical support & service for minimum of 4 months is required. Additional coverage will be considered an advantage.

The Bidder should ensure comprehensive technical support services based on the following criteria for next three (03) years;

- 9:00 AM- 5:00 PM support
- “Bidder” will provide Help Desk Facility to register complaints regarding Hardware/ Software Services.
- “Bidder” response time should be less than 04 hrs( Within ISB) to ensure continuity of Services
- Warranty for 3 years from the successful commissioning of system (including but not limited to Provision of Backup next business day in Case of Hardware failure/Malfunctioning: Next business day delivery (NBD))
- Replacement of faulty Parts: 02 Weeks

### **4. Other Deliverables**

4.1 The selected Bidder is required to provide complete documentation but not limited to followings;

- I. Architecture Planning Documentation
- II. System Guides & Manuals
- III. Users Guides & Manuals
- IV. Step by step Installation & Configuration Manuals and SOP
- V. Architectural (Logical /physical) Diagrams, etc.

4.2 The Bidder will submit a final report. The report must cover all activities performed as described in Services Appendix A-III & as proposed by selected Bidder. The report must be authenticated by signing authority of the selected Bidder.

## Appendix B-I: Network / Network Security Hardware Requirements

<b>Network / Network Security Infrastructure</b>		
<b>SR. #</b>	<b>Item Description</b>	<b>Qty</b>
1	48 ( 10/100/1000 Mbps) +4 (Gigabit SFP based Uplinks) Ports Access Switch	04
2	Modular Core Switch with dual Control Engine	01
3	Firewall(With Anti X/IPS/Threat management Features) Device	01

**Note: Above mentioned equipment should have following specification**

<b>SR. #</b>	<b>Item</b>	<b>Description</b>	<b>Qty</b>
<b>Access Switches (48 (10/100/1000 Mbps) +4 (GE SFP Uplink) ports Qty: 04</b>			
1	48 Port Switch (Access Switches)	Layer 2 managed switch, 48 Ethernet 10/100/1000 ports+ 4 x 1000 Base-X SFP uplink ports with 2 x MM SFP module for each switch	04
		Not Less than 100 Gbps switching fabric,	
		Throughput: Not less than 75 Mpps	
		<b>SHOULD SUPPORT THE FOLLOWING STANDARDS</b>	
		IEEE 802.1x support	
		IEEE 802.1w	
		IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX	
		IEEE 802.1D Spanning-Tree Protocol	
		IEEE 802.1p class-of-service (CoS) prioritization	
		IEEE 802.1AB (LLDP)	
		IEEE 802.1Q VLAN	
		IEEE 802.3 10 BASE-T specification	
		IEEE 802.3u 100 BASE-TX specification	
		IEEE 802.3ad	
4 K VLANs			
PQ and WRR			
Four queues on each port			
<b>Modular Core Switch Qty: 1</b>			
2	Modular Core Switch	Switching Capacity Not less than 1.9 TBPS Forwarding Rate: Not less than 1400 MPPS with 64 bytes per packet	01



		<ul style="list-style-type: none"> <li>• Slots of the device at least 3</li> <li>• Dual Main Fabric controller</li> <li>• Fully redundant N+N Power supplies</li> </ul>	
		<ul style="list-style-type: none"> <li>• 1 x 48-port 1000Base-X ports interface card along with 20 x SM Optical transceivers and 5 x GE Electrical transceivers</li> </ul>	
		<ul style="list-style-type: none"> <li>• The equipment shall support passive backplane</li> <li>• Network Port Density: Whole chassis must be capable of connecting up to 96 GE ports in total</li> <li>• The proposed equipment shall support high switching capacity of at least 1.9 Tbit/s non-blocking multilayer switching. The controller must offer superior per port QoS features optimal and efficiently handles demanding and mission-critical applications.</li> <li>• The proposed equipment shall support high packet transfer rate of at least 1440 Mpps (Million packets per second) with 64 bytes per packet.</li> <li>• Bandwidth of each slot can reach up to 128G.</li> <li>• Fans can be used in N+1 redundancy backup mode, support intelligent speed adjustment. If a fan is faulty, the other fans should not be affected.</li> <li>• 1+1 load balance mode between switching fabrics.</li> <li>• The equipment shall support hardware-based centralized monitoring plan used for device monitoring, management and energy saving. Support 1:1 backup.</li> <li>• The equipment shall support 40*10000 Base-X high density boards for future use.</li> </ul>	
		<p><b><u>Layer 2 features support:</u></b></p>	

		<ul style="list-style-type: none"> <li>• Layer 2 switch ports and VLAN trunks/access/ default VLAN.</li> <li>• IEEE 802.1Q VLAN encapsulation</li> <li>• Support 1:1, 2:2 and N:1 VLAN mapping</li> <li>• Support for 4096 VLANs per switch</li> <li>• Spanning-tree:- STP/RSTP/MSTP support</li> <li>• Support for at least 8 hardware queues per port, served by "Priority Queuing" and "Weighted Round Robin"</li> <li>• BPDU protection, root protection, and loop protection.</li> <li>• QINQ, AAA function, MAC-based ACL, MAC + IP-based ACL</li> <li>• Discovery Protocol LLDP (802.1ab) support</li> <li>• IGMP snooping v2, Broadcast Storm Control</li> <li>• Link Aggregation Protocol (LACP)</li> <li>• Jumbo Frames support (up to 9216 bytes)</li> </ul>	
		<p><b>Layer 3 features support:</b></p>	
		<ul style="list-style-type: none"> <li>• Static route, IGMP v1/v2/v3, Local ARP Proxy</li> <li>• RIPv1/v2, OSPF, BGP, IS-IS.</li> <li>• IP OSPF and OSPFv3 protocol, with at least 50 areas, and support for stub areas, NSSA, and ASBR</li> <li>• IP multicast routing protocols (PIM-DM, PIM-SM, PIM-SSM) support</li> <li>• Internet Control Message Protocol (ICMP) support</li> <li>• Policy-Based Routing (PBR)</li> <li>• MPLS Layer 3 VPN</li> <li>• IPv4 Netstream</li> <li>• Supports IPv6 routing protocols, such as RIPng, OSPFv3, ISISv6, and BGPv4 through optional license, if required in future</li> <li>• IP addressing management DHCP protocol relaying, to at least three DHCP servers per VLAN, and capacity to have different DHCP servers on different VLAN.(RFC 3046)</li> </ul>	
		<p><b><u>Network Security Features</u></b></p>	

		<ul style="list-style-type: none"> <li>• RADIUS, user-graded login authentication</li> <li>• Standard and extended ACLs mechanism IP address / VLAN ID / MAC address / port binding</li> <li>• 802.1x user authentication</li> <li>• Defends against DoS attack, TCP SYN Flood attack, ARP /UDP Flood attack, broadcast storm, and heavy traffic attack</li> </ul>	
		<p><b><u>Support for QoS features:</u></b></p> <ul style="list-style-type: none"> <li>• Traffic classification based on the Layer-2 header</li> <li>• Strict priority (802.1p) queuing SP/WRR/DRR</li> <li>• IP differentiated service code point Diff-Serv(DSCP) QOS</li> <li>• Support for policers on ingress and egress configured</li> <li>• Congestion-avoidance and traffic shaping</li> </ul>	
<b>Firewall(With Anti-X /IPS/Threat management Features) Device Qty: 01</b>			
3	Firewall (With Anti-X / IPS & Threat Management Features) Device	<p><b>Firewall Performance:</b> Not less than 800Mbps</p> <p><b>IPsec VPN Performance:</b> Not less than 250Mbps</p> <p><b>Concurrent Sessions:</b> Up-to 64,000</p> <p><b>Interface:</b> Four fixed 10/100/1000, two USB ports, one console port and one auxiliary port</p> <p><b>Memory:</b> 2GB DRAM</p> <p><b>VLAN:</b> Up-to 4K</p> <p><b>Features &amp; Functions: The desired firewall should have but limited to these features &amp; functions :</b>  Network attack detection, DOS &amp; DDOS Protection, TCP reassembly for fragmented Packet Protection, Brute force attack mitigation, SYN cookie protection, Zone-based IP Spoofing, Malformed Packet Protection, replay attack prevention, IPS (Deep Inspection FirewallIO, Protocol Anomaly Detection, Stateful Protocol Signatures, IPS/DI attack pattern Obfcompanyation, Antivirus, Protocol Scanned (IM,FTP,IMAP,HTTP, POP3, SMTP, etc.), Antispyware, Instant message AV, Anti-spam, Integrated URL Filtering, External</p>	1

		URL Filtering	
		<b>VOIP Security Features:</b> H.323 ALG, SIP ALG, MGCP ALG, SCCP, ALG, NAT for VoIP	
		<b>IPsec VPN &amp; other Encapsulation Features:</b> Concurrent VPN tunnels : 500, IPsec NAT traversal, auto-Connect VPN, redundant gateways, L2TP, PPP, MLPPP, HDLC	
		802.1X authentication, Unified access control enforcement, Web Based authentication, PKI Certificate	
		Management: WebUIk, Console, Telnet, SSH,	
		<b>Routing:</b> BGP, OSPF, RIP V1,V2, Static routes, Policy based routing, ECMP, multi-case, Reverse Path Forwarding (RPF), IGMP V1&V2, IGMP Proxy, PIM SM, PIM SSM,	
		Licensing Provision of IPS Signatures / Anti-X and other Threat Management features for 3 years.	

**Note:** All Networking /Network security equipment/components (Including desired OS) should be new and Refurbished Networking equipment/components will not be accepted.

\*Bidder having certified experts in all of the above mentioned equipment (along with one CISSP) will be given preference

## Appendix B-II: Network Services & Other Deliverables

### 1. Services

1.	Firewall (With Anti X/ Threat Management /IPS Features)	<ul style="list-style-type: none"> <li>• Installation and Configuration of hardware firewall as per the requirements of the company to secure the assets</li> <li>• Creation of Security Zones</li> <li>• Hardening the Network Security Device</li> <li>• Implementation of Centralize Syslog server</li> <li>• Configure firewall to enable features like IPS, Threat management Anti-X, (including Anti-Spyware, Anti-Adware, Anti-Phishing/IPX), Anti-Spam, and Web Filtering</li> <li>• Implementation of QoS</li> <li>• Implementation of Web based access / SSH server</li> <li>• The solution provider is responsible for providing complete network diagrams, documentation (user manuals, installation manuals, configuration manuals etc.) and testing certification.</li> <li>• Installation of License OS with all the features (e.g. Firewall, AntiX, IPS, Threat management, etc.) for 3 years.</li> </ul>
2	Switches (Distribution & Manageable)	<ul style="list-style-type: none"> <li>• Installation and Configuration of switches as per the requirements of the company.</li> <li>• Hardening the Network Devices</li> <li>• Implementation of VLANs and inter VLAN routing</li> <li>• Implementation of Centralize SYSLOG server</li> <li>• Implementation of QoS</li> <li>• Implementation of Web based / SSH server</li> <li>• The solution provider is responsible for providing complete network diagrams, documentation (user manuals, installation manuals, configuration manuals etc.) and testing certification.</li> <li>• Installation of License OS (with Full LAN &amp; basic Internet (routing) required for inter VLAN routing) Features for 3 years.</li> </ul>
3	Modular Core Switch	<ul style="list-style-type: none"> <li>• Installation and Configuration of core switch as per the requirements of the company</li> </ul>

		<ul style="list-style-type: none"> <li>• Hardening the Network Devices</li> <li>• Implementation of IPsec VPN for secure remote access for Users of ICT</li> <li>• Implementation of Centralize Syslog server</li> <li>• Implementation of QoS</li> <li>• Implementation of Web based GUI Interface/ SSH server</li> <li>• Connectivity with redundant Internet Connections</li> <li>• The solution provider is responsible for providing complete network diagrams, documentation (user manuals, installation manuals, configuration manuals etc.) and testing certification.</li> <li>• License OS (with LAN/Basic Internet) features for 3 years.</li> </ul>
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**2. Trainings**

- I. Training on installation, configuration and maintenance of all the installed network/network Security Infrastructure (please refer to Appendix BI) through certified trainers to successfully manage all the above deployed equipment.
- II. The training will be provided to one (01) person nominated by The Company.
- III. The Bidder will also provide all the relevant material along with trainings.
- IV. The premises and equipment required for the trainings will be managed by bidder

**3. Technical Support Services**

A free technical support & service for minimum of 4 months is required. Additional coverage will be considered an advantage.

The Bidder should ensure comprehensive technical support services based on the following criteria for next three (03) years (and for further 02 years as optional),

- 9:00 AM- 5:00 PM support
- “Bidder” will provide Help Desk Facility to register complaints regarding Hardware/ Software Services.
- “Bidder” response time should be less than 04 hrs( Within ISB) to ensure continuity of Services
- Warranty for 3 years from the successful commissioning of system (including but not limited to Provision of Backup next business day in Case of Hardware failure/Malfunctioning: Next business day delivery (NBD))

- Replacement of Faulty Parts:

02 Weeks

#### **4. Other Deliverables**

- 4.1 The selected Bidder is required to provide complete documentation but not limited to followings;
- I. Architecture Planning Documentation
  - II. System Guides & Manuals
  - III. Users Guides & Manuals
  - IV. Step by step Installation & Configuration Manuals and SOP
  - V. Architectural (Logical /physical) Diagrams, Network Diagrams, etc.
- 4.2 The Bidder will submit a final report. The report must cover all activities performed as described in Services Appendix-BII & as proposed by selected Bidder. The report must be authenticated by signing authority of the selected Bidder.

## Appendix C:

### Eligibility Criteria (Mandatory Criteria)

All proposals must meet the mandatory eligibility criteria & additional qualification criteria. The Proposals that does not meet mandatory eligibility criteria & additional eligibility criteria shall be rejected and shall not be evaluated further.

Section	Mandatory Eligibility Criteria	Yes	No
1	Proof of Certificate of Incorporation or Registration or equivalent	<input type="checkbox"/>	<input type="checkbox"/>
2	Proof of GST Registration Certificate and NTN Certificate	<input type="checkbox"/>	<input type="checkbox"/>
3	Affidavit that the Bidder is not insolvent and bankrupt and has no legal obligations on business or any business related activities in Pakistan.	<input type="checkbox"/>	<input type="checkbox"/>
4	Affidavit that the Bidder has not been blacklisted or debarred by Public Procurement, Government, Semi-Government, Private, Autonomous body or any other international organization.	<input type="checkbox"/>	<input type="checkbox"/>
5	Demand draft valuing PKR 500,000/- provided in technical proposal	<input type="checkbox"/>	<input type="checkbox"/>
6	Proof of Certificate of authorized partnership, dealership or membership with other organizations (International or National) to sale and distribute partners, dealers or member's off the shelf software and ready to use hardware in Pakistan.	<input type="checkbox"/>	<input type="checkbox"/>
7	Minimum specification given in the annexures	<input type="checkbox"/>	<input type="checkbox"/>



## **Section 2. Technical Proposal - Standard Forms(Appendix D-I)**

2A. Technical Proposal submission form

2B. Corporate Profile

2C. Technology Roadmap

2D. Relevant Experience

2E. Project Team

2F. Project Management Capabilities

2G. Support and Services

2H. Training Roadmap

## Appendix D-I

### 2A. TECHNICAL PROPOSAL SUBMISSION FORM

[*Location, Date*]

To:  
Manager Administration  
National ICT R&D Fund  
6<sup>th</sup> Floor, HBL Tower  
Islamabad, Pakistan  
Tel: (92-51) 9215360-65  
Fax: (92-51) 9215360  
Email: [nelofar.arshard@ictrdf.org.pk](mailto:nelofar.arshard@ictrdf.org.pk)

Sir,

We, the undersigned, offer to provide the consulting services for **Deployment of LAN Infrastructure** in accordance with your Request for Proposal dated [*Advertisement Date*]. We are hereby submitting our Proposal, which includes this Technical Proposal, and a Financial Proposal sealed under a separate envelope.

If negotiations are held during the period of validity of the Proposal, i.e., before [*Date*] we undertake to negotiate on the basis of the proposed staff. Our Proposal is binding upon us and subject to the modifications resulting from Contract negotiations.

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature:

Name and Title of Signatory:

Name of Firm:

Address:

## Appendix D-I

<b>2B-Corporate Profile</b>			
<b>CRITERIA AS PER RFP</b>	<b>MARKS</b>	<b>SUMMARY OF DETAILS GIVEN IN THE PROPOSAL *</b>	<b>MARKS ALLOCATED</b>
<b>a) Background of the company</b> <ul style="list-style-type: none"> <li>• Year of Existence</li> </ul>			
<b>b) Core Business Area</b>			
<b>c) Partnerships</b> <ul style="list-style-type: none"> <li>• Type of OEM relationships with partner, dealer or member</li> </ul>			
<b>d) Number of Total and Technical Permanent Employees.</b>			
<b>e) Presence in Pakistan</b>			
<b>f) Annual Revenue ( Auditor report/ Bank certificate specifying company worth/</b>			

\*If up to a paragraph, reproduce here. If lengthier, give reference here and attach copy with this form.

Firm Name : \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Stamp: \_\_\_\_\_

<b>2C-Technology Roadmap</b>			
<b>CRITERIA AS PER RFP</b>	<b>MARKS</b>	<b>SUMMARY OF DETAILS GIVEN IN THE PROPOSAL*</b>	<b>MARKS ALLOCATED</b>
<b>a) Comparison of Proposed technology solution</b>			
<b>b) Expert level suggestions recommended by Solution</b>			
<b>c) Comply with the specifications mentioned in relevant Annexures</b>			

\*If up to a paragraph, reproduce here. If lengthier, give reference here and attach copy with this form.

Firm Name : \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Stamp: \_\_\_\_\_

**2D- Experience and Expertise in conducting such Projects of the Company (Relevant Experience)**

NAME OF CLIENT	NAME OF ASSIGNMENT/ PROJECT	PERIOD OF ASSIGNMENT/ PROJECT	VALUE OF ASSIGNMENT / PROJECT	PRESENT STATUS OF THE ASSIGNMENT/ PROJECT	MARKS ALLOCATE D

\*If up to a paragraph, reproduce here. If lengthier, give reference here and attach copy with this form.

Firm Name : \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Stamp: \_\_\_\_\_

<b>2E-Project Team</b>			
<b>CRITERIA AS PER RFP</b>	<b>MARKS</b>	<b>SUMMARY OF DETAILS GIVEN IN THE PROPOSAL</b>	<b>MARKS ALLOCATED</b>
<b>a) Number of Team Leads</b>			
<b>b) Briefs of relevant certified professionals in technical domain.</b>			
<b>c) Team Lead Roles and Responsibilities</b>			

\*If up to a paragraph, reproduce here. If lengthier, give reference here and attach copy with this form.

Firm Name : \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Stamp: \_\_\_\_\_

<b>2F-Project Management Capabilities</b>			
<b>CRITERIA AS PER RFP</b>	<b>MARKS</b>	<b>SUMMARY OF DETAILS GIVEN IN THE PROPOSAL*</b>	<b>MARKS ALLOCATED</b>
<b>a) Quality of Project Plan submitted (MS Project based) with indication of resources &amp; milestones</b>			
<b>b) Quality of recommended approach for project execution</b>			
<b>c) Project Management related knowledge and certifications of the project team</b>			

\*If up to a paragraph, reproduce here. If lengthier, give reference here and attach copy with this form.

Firm Name : \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Stamp: \_\_\_\_\_



<b>2G- Support and Services</b>			
<b>CRITERIA AS PER RFP</b>	<b>MARKS</b>	<b>SUMMARY OF DETAILS GIVEN IN THE PROPOSAL*</b>	<b>MARKS ALLOCATED</b>
<b>a) Proven quality of support services provided by the firms.</b> <ul style="list-style-type: none"> <li>• Number of years in Support Business</li> <li>• No. of client to which support service provided</li> <li>• Duration of service provided to each client</li> </ul>			
<b>b) Details of presence &amp; facilities in ISB/RWP</b>			
<b>c) Quality and size of support staff in ISB/RWP</b>			
<b>d) Support mechanism</b>			
<b>e) Availability/arrangement of spare parts</b>			

\*If up to a paragraph, reproduce here. If lengthier, give reference here and attach copy with this form.

Firm Name : \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Stamp: \_\_\_\_\_

<b>2H- Training Roadmap</b>			
<b>CRITERIA AS PER RFP</b>	<b>MARKS</b>	<b>DETAILS GIVEN IN THE PROPOSAL*</b>	<b>MARKS ALLOCATED</b>
<b>a) Trainer's Profile</b> <ul style="list-style-type: none"> <li>• Qualification</li> <li>• Training Experience</li> <li>• Certifications</li> </ul>			
<b>b) Years in "Training" Business of the firm</b>			
<b>c) Training Methodology</b>			

\*If up to a paragraph, reproduce here. If lengthier, give reference here and attach copy with this form.

Firm Name : \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Stamp: \_\_\_\_\_

### **Section 3. Financial Proposal - Standard Forms (Appendix D-II)**

3A. Financial Proposal submission form

3B. Summary of costs

### 3A. – Financial Proposal Submission Form

[Location, Date]

To:

Manager Administration

National ICT R&D Fund

6<sup>th</sup> Floor, HBL Tower

Islamabad, Pakistan

Tel: (92-51) 9215360-65

Fax: (92-51) 9215360

Email: [nelofar.arshard@ictrdf.org.pk](mailto:nelofar.arshard@ictrdf.org.pk)

Sir,

We, the undersigned, offer to provide the consulting services for **Deployment of LAN Infrastructure** in accordance with your Request for Proposal dated [Date of Advertisement] and our Proposal (Technical and Financial Proposals). Our attached Financial Proposal is for the sum of [Amount in words and figures]. This amount is inclusive of all the local taxes, duties, fees, levies and other charges applicable on our company, our sub-contractors and collaborations under the Pakistani law.

Our Financial Proposal shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal, i.e., [Date].

Though included in the above mentioned fee, Commissions and gratuities, if any, paid or to be paid by us to agents relating to this Proposal and Contract execution, if we are awarded the Contract, are listed below:

Name and Address of Agents	Amount in Pak Rs.	Purpose of Commission or Gratuity
_____	_____	_____
_____	_____	_____

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature:

Name and Title of Signatory:

Name of Firm:

Address:

## Appendix D-II

### NAME OF THE FIRM:

Applicable to each item (i.e. Hardware, Software, support services & Training). All prices should be quote in PKR. **The bidders are allowed to mention any other details which they feel necessary in this section.**

#### Server Hardware & Software

Sr. #	Description	Qty	Unit Price (PKR)	GST	Total Price (PKR)
<b>Server Hardware (please refer to Annexure A-I)</b>					
1	Blade Server Chassis	1			
2	Blade Servers	8			
3	SAN	1			
4	Server Rack	1			
5	Tape Drive Library	1			
6	Tape Cartridges	20			
<b>Sub Total</b>					
<b>Server Software (please refer to Annexure A-II)</b>					
1	Microsoft Windows Server Data Centre 2012 Government	8			
2	Microsoft Core CAL Suite Government	200			
3	Microsoft Exchange Server Standard 2013 Government	4			
4	Microsoft Threat Management Gateway Standard 2010 Government or Equivalent	2			
5	Microsoft Lync Server 2013 Government	1			
6	Microsoft System Centre Data Center Government	8			
7	Microsoft SQL Server Standard Edition 2012 Government	2			
8	Microsoft SQL Server Std CALs Government	10			
9	Microsoft SharePoint Standard Server 2013 Government	4			

<b>Sub Total</b>					
<b>Server Services (please refer to Annexure A-III)</b>					
1	Installation & Configuration	1			
2	Trainings	1			
3	Support for 3 years	1			
<b>Sub Total</b>					
<b>Network Hardware (please refer to Annexure B-I)</b>					
1	48 ( 10/100/1000 Mbps) +4 (Gigabit SFP based Uplinks) Ports Access Switch	4			
2	Modular Core Switch with dual Control Engine	1			
3	Firewall(With Anti X/IPS/Threat management Features) Device	1			
<b>Sub Total</b>					
<b>Network Services (Please refer to Annexure B-II)</b>					
1	Installation & Configuration	1			
2	Training	1			
3	Support for 3 years	1			
<b>Sub Total</b>					
<b>Grand Total</b>					

## Appendix E

### Single Stage Two envelope Procedure for Bidding Public Procurement Rules 2004

#### Single stage - Two envelope procedure.-

- (i) The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
- (ii) The envelopes shall be marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion;
- (iii) Initially, only the envelope marked “TECHNICAL PROPOSAL” shall be opened;
- (iv) The envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of the procuring agency without being opened;
- (v) the procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which do not conform to the  
Specified requirements;
- (vi) During the technical evaluation no amendments in the technical proposal shall be permitted;
- (vii) The financial proposals of bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
- (viii) After the evaluation and approval of the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the **financial proposals of the technically accepted bids only**. The financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders; and
- (ix) The bid found to be the lowest evaluated bid shall be accepted.