



INVITATION TO BID

For procurement of IT Equipment and Software

Pakistan Telecom Authority, (a telecommunication regulator in Pakistan) invites sealed bids from the original manufacturers / authorized distributors / authorized dealers etc., registered with Income Tax and Sales Tax Departments for supply of following IT Equipment and Software :

S. No.	Description of the Requirement	Quantity
	HARDWARE	
1.	DUAL PROCESSOR XEON server 8 Core, with 32 GB RAM and 4 x 2 TB HDD , including Windows Server 2012 R2 (Standard Edition)	2
2.	DUAL PROCESSOR XEON server 8 Core, with 64 GB RAM and 4 x 4 TB HDD , including Windows Server 2012 R2 (Standard Edition)	1
3.	Layer 2 Gigabit switches 48 ports	3
4.	Hard Disk Near line SAS Up gradation (2 Terabyte) for DELL Server R720	12
5.	RAM Upgradation (16 GB for Dell R710)	6
	SOFTWARE	
6.	Windows Server 2012 R2 (Standard Edition)	1
7.	Virtual Machine Software Server Based (Bare Metal - Commercial) Vmware vsphere essential or Equivalent	2

- Bidding documents, containing detailed terms and conditions, method of procurement, procedure for submission of bids, bid security, bid validity, opening of bid, evaluation criteria, clarification / rejection of bids, performance guarantee etc. are available for the interested bidders at (www.pta.gov.pk). Price of the bidding documents is Rs. 500/- (Non refundable, in shape of bank draft / pay order only). Bidding documents can also be downloaded from (www.pta.gov.pk) free of cost.
- The bids, prepared in accordance with the instructions in the bidding documents, must reach at PTA Headquarters F-5/1, Islamabad on or before **23rd May, 2016 12:00 PM**. Technical Bids will be opened the same day at (**12:30 PM**). This advertisement is also available on PPRA website at www.ppra.org.pk.

Ahmed Bakhat, Deputy Director (ICT-III),

Pakistan Telecom Authority. Phone: 051-9225361, Fax Number: 051-9225368

Email address: ahmedbakhat@pta.gov.pk



BIDDING DOCUMENTS

Sealed bids are invited from well reputed and original manufacturers / authorized distributors / authorized dealers etc, registered with Sales Tax and Income Tax Department companies having at least 3 years of relevant business experience for following IT equipment:

S. No.	Description of the Requirement	Quantity
	HARDWARE	
1.	DUAL PROCESSOR XEON server 8 Core, with 32 GB RAM and 4 x 2 TB HDD , including Windows Server 2012 R2 (Standard Edition)	2
2.	DUAL PROCESSOR XEON server 8 Core, with 64 GB RAM and 4 x 4 TB HDD , including Windows Server 2012 R2 (Standard Edition)	1
3.	Layer 2 Gigabit switches 48 ports	3
4.	Hard Disk Near line SAS Up gradation (2 Terabyte) for DELL Server R720	12
5.	RAM Up gradation (16 GB for Dell R710)	6
	SOFTWARE	
6.	Windows Server 2012 R2 (Standard Edition)	1
7.	Virtual Machine Software Server Based (Bare Metal-Commercial) Vmware vsphere essential or Equivalent	2

Detailed specifications of above-mentioned items are provided at Annex-B of this document. **Notice of the bids issued on PTA’s/PPRA’s websites is the part of this contract document.**

Terms and Conditions

1. DATE AND TIME OF RECEIPT OF BIDS

- a. Bidding documents duly completed will be received on or before **23rd May, 2016** up to 12:00 AM. The submission and evaluation of bids will be carried out under the “Single Stage Two Envelop Procedure”. The Technical bids will be opened at PTA HQs on the same day at 12:30 PM, in presence of the bidder or bidder’s representative who may choose to attend.

- b. Bids should be addressed to the Deputy Director (ICT-III) Pakistan Telecommunication Authority, Headquarters F-5/1, Islamabad.
- c. Bidder can quote for any one, more than one or all IT equipment / software mentioned above, depending on relevant dealership in each IT equipment / software.
- d. Whereby the bid(s) will comprise of single package containing two separate sealed envelopes. One envelop will contain the “Financial Proposal” and the second envelop will contain the “Technical Proposal”. Technically qualified companies will be informed to attend the financial bid opening. The financial bids of technically disqualified bidder will be returned un-opened. Minimum qualifying marks for participation in financial bid opening is 70% marks as per criteria in Annex C.

2. **COMPANY INFORMATION**

- a. Name of Firm _____
- b. Date of Establishment of Business _____
- c. (documentary proof of registration etc.) _____
- d. Address _____
- e. Telephone No _____ Fax No. _____
- f. GST Reg. No _____
- g. National Tax No _____

3. **EVALUATION CRITERIA**

- a. **Evaluation will be done individually for each item (mentioned above) separately.**
- b. Work will be awarded to **financially lowest bidder**, subject to scoring at least 70 % marks in technical evaluation.
- c. If two or more bidders quote equal lowest price in Financial proposals, then the contract will be awarded to the one having greater technical marks, in technical bids.
- d. Technical evaluation of IT equipment / software at Annex-B will cover comparison of quoted products with advertised specifications, whereas it does not carry marks.
- e. Technical evaluation of company profile at Annex-C is to filter companies having good support system and after sales services.
- f. The bidder should quote its rates clearly for each item, in the Financial Proposal in both figures and words.

4. **EARNEST MONEY**

- a. Earnest money in the shape of pay order / bank draft in favor of Pakistan Telecommunication Authority, Islamabad amounting to 2% of the total bid amount **should only be attached with the Financial Proposal** (Cheques will not be accepted). Certificate regarding deposit of 2% earnest money **must be attached** with Technical Bid.
- b. **FINANCIAL BID not accompanied with earnest money will be rejected without any right of appeal.**
- c. Earnest money of successful bidder will be retained till warranty period whereas earnest money of unsuccessful bidders will be returned after award of supply order to successful bidder.
- d. In case of cancelation of Supply Order due to default of the supplier, the earnest money shall be forfeited in favor of Pakistan Telecommunication Authority.

5. **PRICES**

- a. **The bidder should quote its rates clearly, for each item separately, in Pak Rupees in the Financial Proposal in both figures and words as per format attached at Annex-A**
- b. The rates quoted shall remain valid for three months from the date of opening of Technical Proposal.
- c. Bid shall be in Pak rupees only and inclusive of all taxes i.e. GST etc.
- d. No transportation/carriage charges will be allowed.

6. **PAYMENT PROCEDURE**

- a. No advance payment shall be made against the supply of equipment / software mentioned in this bidding document. Payment of bill shall be made after delivery of the equipment /software at PTA Headquarters and issuance of satisfactory completion/stock verification certificate by PC-I.
- b. Payment shall be made after deduction of applicable taxes i.e. Income Tax etc. as per government rules.

7. EQUIPMENT / SOFTWARE

- a. The IT equipment should be new, not used or refurbished. The components of the equipment should be assembled by the manufacturer.
- b. The IT equipment / software should be arranged through the legal channels by providing all duties/taxes (if any) levied by the Govt. and towards this end.

8. DELIVERY PERIOD

- a. Delivery of items to be made within four (04) weeks after issuance of supply order. After expiry of delivery time supply order shall stand canceled and earnest money will be forfeited.
- b. Vendor will be responsible for the safe supply of equipment / software at PTA H/Qs Islamabad with the provision of free warranty / support mentioned at term 10.

9. AUTHORIZED DEALER/DISTRIBUTOR/PARTNER

Bidder shall be original manufacturers / authorized distributors / authorized dealers etc. Certificate of dealership or any other proof from the manufacturer is required in the name of the authorized dealer of the manufacturer.

10. WARRANTY

- a. Vendor will be responsible for the provision of free atleast onsite warranty / support with labour and parts as per detail below;
 - i. All Servers : Three years or manufacturer warranty whichever is greater
 - ii. Layer 2 switches : One year or manufacturer warranty whichever is greater
 - iii. Hard disk & RAM : One year or manufacturer warranty whichever is greater
 - iv. Virtualization Software : One year basic support
- b. The warranty period will be considered from the date of actual date of delivery of IT equipment / software.

11. PENALTY

- a) A penalty of 1% of the **submitted earnest money** per day will be charged if the faulty hardware replacement time exceeds the time mentioned, in the certificate provided as per Annex-C- part B-(3), **during the warranty period.**

12. INTEGRAL PART

- i) Annex-A is part of financial proposal which may be read/filled carefully, signed and stamped by the bidder and is to be submitted with the envelop containing the financial proposal
- ii) Annex-B and Annex-C are part of technical proposal(s) which may be read/filled carefully, signed and stamped by the bidder and are to be submitted with the technical proposal envelop.

13. DISQUALIFICATIONS

Offers are liable to be rejected if, there is any deviation from the instructions as laid down in the bid document i.e.

- a. Financial bid is submitted without the required earnest money.
- b. Offers are received after specified date and time.
- c. Specification and other requirements are not properly adhered to or different from those given in the bidding documents.
- d. GST and NTN certificates are not attached.
- e. Service centre is not in Islamabad/Rawalpindi.
- f. Supplier is not an manufacturer / authorized dealer / authorized distributor and warranty provider of the principal manufacturer for Pakistan as per section 9 of this document.
- g. Any inferior product / spec / requirement that mentioned at Annex-B.

14. TECHNICAL EVALUATION CRITERIA/COMPANY'S PROFILE

All technical bids shall be evaluated as per criteria mentioned at Annex-B and Annex-C. All information desired in Annex-B and Annex-C has to be submitted with supporting documents. These documents should be arranged in the same sequence as mentioned in Annex-B and Annex –C.

15. AFFIDAVIT

Affidavit on **Legal Paper** to the effect that the firm has not been black listed by any government/semi government/autonomous body or company.

16. RIGHTS RESERVED

Pakistan Telecommunication Authority Islamabad reserves the rights to accept or reject any tender as per PPRA rules.

CHECKLIST

- | | | |
|-----------|---|----------|
| a. | Earnest money in shape of bank draft/pay order.
(cheques are not acceptable) | (Yes/No) |
| b. | Company's Profile as a part of technical proposal. (Annex C) | (Yes/No) |
| c. | List of such projects handled with copies of supply order. | (Yes/No) |
| d. | Certificate of Spare parts availability | (Yes/No) |
| e. | Certificate of replacement of hardware during warranty period | (Yes/No) |
| f. | List of employees including technical staff for this project. | (Yes/No) |
| g. | Affidavit on legal paper for not being black listed. | (Yes/No) |
| h. | Copies of authorized dealership/partnership etc. of the
principal manufacturer for Pakistan. | (Yes/No) |
| i. | Specification and other requirements are met | (Yes/No) |
| j. | Service centre is not in Islamabad/Rawalpindi | (Yes/No) |

Dy Director (ICT-III)

Financial Proposal (Bid Format)

Annex-A

Date _____

Company Name _____

Required Specification	Quoted Specification (With Brand Name)	Unit Price Inclusive of GST	Qty	Total Price Inclusive of GST
<u>Server</u> <u>All specs as per detail mentioned in the technical bid in accordance with Annex-B page 1/7</u>			2	
<u>Server</u> <u>All specs as per detail mentioned in the technical bid in accordance with Annex-B page 2/7</u>			1	
<u>Layer 2 switches</u> 48 Gigabit ports <u>All specs as per detail mentioned in the technical bid in accordance with Annex-B page 3/7</u>			3	
<u>Hard Disks</u> <u>All specs as per detail mentioned in the technical bid in accordance with Annex-B page 4/7</u>			12	
<u>RAM</u> <u>All specs as per detail mentioned in the technical bid in accordance with Annex-B page 5/7</u>			6	
<u>Windows Server</u> 2012 R2 (Standard Edition) <u>All specs as per detail mentioned in the technical bid in accordance with Annex-B page 6/7</u>			1	
<u>Virtualization Software Server Based</u> <u>All specs as per detail mentioned in the technical bid in accordance with Annex-B page 7/7</u>			1	

Authorized Signature of bidder with seal stamp

Any inferior specs of IT Equipment will be rejected

FINANCIAL BID not accompanied with earnest money will be rejected without any right of appeal.

MANDATORY TECHNICAL SPECIFICATIONS

(To be included in Technical Proposal)

Annex-B

Page 1/7

Detailed Specifications of Servers with 32 GB RAM & 4 X 2 TB HDD		
Quantity : 2		
S. No.	Feature	Requirements
1.	PROCESSOR	Intel Xeon Processor E5-2600 series 8 Core, 2.0 GHz or better, 20 MB or above cache, Turbo
2.	2ND PROCESSOR	Intel Xeon Processor E5-2600 series 8 Core, 2.0 GHz or better, 20 MB or above cache, Turbo
3.	RAM	32GB Memory (4x8GB) DDR4, 2100 MHz, Single Rank LV RDIMMs for 2 Processors, ECC Memory
4.	RAID CONTROLLER	Integrated RAID Controller, 512MB NV Cache or better
5.	HARD DRIVE	4 X 2 TB 7.2K RPM Near Line SAS, 3.5" Hard Drive – HotPlug, Minimum 8 bays.
6.	OPTICAL DRIVE	16x or better Super drive
7.	SERVER MANAGEMENT CARD	Complete Remote management card with atleast Vflash 8GB SD Card or better (Enterprise Card)
8.	SLIDING RAIL	Sliding rail with cable management arm
9.	POWER SUPPLY	Redundant Energy efficient Power Supply, Redundant (1+1), 750W Hot pluggable or higher
10.	SLOTS	Standard USB, PCI and storage slots
11.	NETWORK CARD	6 (2+4) port 10/100/1000 Ethernet with TOE enabled
12.	CHASIS	Rack mounted
13.	OPERATING SYSTEM	Windows Server Standard Edition 2012 R2 (UEFI Supported) including media, which must not be pre-installed and it has to be installed onsite
14.	WARRANTY	Three years onsite warranty or manufacturer warranty whichever is greater

Authorized Signature of bidder with seal stamp

Any inferior Specs of Servers will be rejected

Detailed Specifications of Servers with 64 GB RAM & 4 X 4 TB HDD		
Quantity : 1		
S. No.	Feature	Requirements
1.	PROCESSOR	Intel Xeon Processor E5-2600 series 8 Core, 2.0 GHz or better, 20 MB or above cache, Turbo
2.	2ND PROCESSOR	Intel Xeon Processor E5-2600 series 8 Core, 2.0 GHz or better, 20 MB or above cache, Turbo
3.	RAM	64 GB Memory (4x16GB) DDR4, 2100 MHz, Single Rank LV RDIMMs for 2 Processors, ECC Memory
4.	RAID CONTROLLER	Integrated RAID Controller, 512MB NV Cache or better
5.	HARD DRIVE	4 X 4 TB 7.2K RPM Near Line SAS, 3.5" Hard Drive – HotPlug, Minimum 8 bays.
6.	OPTICAL DRIVE	16x or better Super drive
7.	SERVER MANAGEMENT CARD	Complete Remote management card with atleast Vflash 8GB SD Card or better (Enterprise Card)
8.	SLIDING RAIL	Sliding rail with cable management arm
9.	POWER SUPPLY	Redundant Energy efficient Power Supply, Redundant (1+1), 750W Hot pluggable or higher
10.	SLOTS	Standard USB, PCI and storage slots
11.	NETWORK CARD	6 (2+4) port 10/100/1000 Ethernet with TOE enabled
12.	CHASIS	Rack mounted
13.	OPERATING SYSTEM	Windows Server Standard Edition 2012 R2 (UEFI Supported) including media, which must not be pre-installed and it has to be installed onsite
14.	WARRANTY	Three years onsite warranty or manufacturer warranty whichever is greater

Authorized Signature of bidder with seal stamp

Any inferior specs of IT Equipment in Annex-B will be rejected

Detailed Specifications of Layer 2 Switches		
Cisco Catalyst 2960-X or Cisco 2960-XR Series Switches or Equivalent		
Quantity : 3		
S. No.	Feature	Requirements
1.	Port Density	48 10/100/1000 Ethernet Ports + 2 SFP + 10 G Ports
2.	Forwarding Bandwidth	108 Gbps or Higher
3.	Switching Bandwidth	216 Gbps
4.	Forwarding Rate	From 95.2 Mpps or Higher
5.	DRAM	512 MB
6.	Flash memory	128 MB
7.	Max VLANs	1023
8.	VLAN Ids	4096
9.	MTU	Up to 9198 bytes
10.	Jumbo Frames	9216 bytes
11.	Unicast MAC Addresses	16K
12.	Ipv4 IGMP Groups	1K
13.	Ipv4 /Ipv6 QOS	500 (ACEs)
14.	Ipv4/IPv6 Security	625 (ACEs)
15.	Flow Controls	NetFlow lite or equivalent
16.	Protocols	IPv4,IPv6,IGMP, IP, TCP,DHCP, ACL etc
17.	Remote Management	HTTP, Telnet, RMON 2, SNMP v2, SNMP v3, RMON 3, TFTP, SSH etc
18.	Trunking Protocol	VTP, DTP etc
19.	Layer 2 Routing	Inter-VLAN routing, trunk link support, layer 2 ether channels, Static routes
20.	Operating System	LAN Base or IP Lite
21.	Warranty and onsite Support	One year or manufacturer warranty whichever is greater

Authorized Signature of bidder with seal stamp

Any inferior Specs of Layer 2 Switches will be rejected

Detailed Specifications of Hard Disks		
Quantity : 12		
S. No.	Feature	Requirements
1.	Server Hardware Support	Dell R710, Dell R720
2.	Manufacturer	Western Digital or Seagate But quality shall be assured by Dell (Dell Verified)
3.	RPM	72 K (Linear Line SAS)
4.	Cage (Kaddy)	Should include Hard Disk Kaddy
5.	Capacity	2 TB

Authorized Signature of bidder with seal stamp

Any inferior Specs of Windows Operating System will be rejected

Detailed Specifications of RAMS		
Quantity : 6		
S. No.	Feature	Requirements
1.	Server Hardware Support	Dell R710 / DELL R720
2.	Manufacturer	Kingston (DELL Certified)
3.	Capacity	16 GB DIMMs
4.	Bus Speed	1600 Mhz,

Authorized Signature of bidder with seal stamp

Any inferior Specs of Hard Disks will be rejected

Detailed Specifications of Windows Server 2012 R2 Standard Edition		
Quantity : 1		
S. No.	Feature	Requirements
1.	UEFI	Must Support UEFI Boot Process
2.	Fail Over Clustering	Must Support Fail Over Clustering
3.	Hyper-V	At least 2 Hyper-V Vms
4.	CPU architecture	64Bit
5.	Maximum RAM support	4 TB
6.	DHCP Server	Yes
7.	DNS Server	Yes
8.	WEB Server	Yes
9.	FILE Server	Yes
10.	Automatic Virtual Machine Activation	As Guest
11.	ISCSI Target Support	Yes
12.	Dynamic Memory in Virtualization	Yes
13.	Hot add/replace RAM	Yes
14.	Data Deduplication	Yes
15.	Distributed File System	Yes

Authorized Signature of bidder with seal stamp

Any inferior Specs of RAMs will be rejected

Detailed Specifications of Virtualization Software		
Quantity : 2		
S. No.	Feature	Requirements
1.	Technology	Bare Metal
2.	License	Commercial
3.	Servers	Should Support 3 Servers.
4.	Processors	2 Physical Processors Per Servers
5.	Maximum Virtual CPUs per Virtual Machines (Virtual SMP)	128
6.	Maximum RAM per Virtual Machine	4 TB
7.	Virtual Machines per Host	1024
8.	Maximum Logical CPUs per Host	480
9.	Virtual CPU per Core	32
10.	Virtual Disks Per Host	2048
11.	Supported Technologies (Optional)	Should Support Virtual SAN, iSCSI physical, NAS, Fibre Channel, FCoE, Common VMFS, and VMFS5, High Availability etc.

Authorized Signature of bidder with seal stamp

Any inferior Specs of Virtualization Software will be rejected

Part A) Mandatory Requirement *				
1	Firm has to produce Sales Tax and Income Tax Registration.			
2	Firm has to produce Authorization dealer, partner, etc Certificate of the principal/manufacturer for Pakistan as per section 9 of this bidding document. Tier 1 and Tier 2 partners only.			
3	Firm shall be authorized warranty provider on behalf of manufacturer. Documentary proof required.			
4	Minimum three years of relevant experience.			
5	Presence at Islamabad/ Rawalpindi			
Part B) General Evaluation*				
Sr. #	Attributes	Max. Score	Points Earned	Criteria
1	Detail of Offices	10		Firm has sales and services offices at four (4) provincial headquarters with proof of authorized service provider from principal manufacturer. Two and half (2.5) points for each p.h.q.
2	Spare Parts Availability	10		Firm has Spare Parts of the quoted model Depot/facility at Islamabad / Rawalpindi.
3	Replacement time for faulty under warranty equipment/parts (Certificate has to be produced) (Clause 11(b) referred)	15	15	1-3 working days
			10	4-9 working days
			05	10-14 working days
4	Total strength of relevant Technical Staff at Rawalpindi / Islamabad (List shall be attached with name, designation, qualification and related experience).	10	10	Firm has more than ten (10) relevant technical staff in Islamabad / Rawalpindi.
			7	Firm has more than five (5) and up to ten (10) relevant technical staff in Islamabad / Rawalpindi
			5	Firm has minimum five (5) relevant technical staff in Islamabad / Rawalpindi
5	Firm Experience (minimum three years experience required)	10		Two points (2) will be given for each year of experience beyond three years of mandatory experience
6	Projects completed of similar nature (documentary proof be provided i.e. Supply Orders etc.)	15		Three points will be awarded for each project of same nature on provision of supply order/certificate in each category. For example: i. Supply of 03 Servers or more in single supply order for Servers ii. Supply of 03 layer 2 / 3 switches or more in single supply order for layer2 switches
Sub Total		70		
<i>Minimum technical qualifying marks are 70% in above table whereas specifications of equipment i.e Annex "B" shall be compulsory.</i>				

***All supporting Documents to be attached for all relevant pages of Annex-B & C.**