

# **Tender Document**

## **PROCUREMENT OF Servers & Firewall**



**Quaid-e-Azam Thermal Power (Pvt.) Limited**

**1<sup>st</sup> Floor, 7/C-1, Gulberg-III, Lahore**

Phone No.: 042-35750936-8

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## QUAID-E-AZAM THERMAL POWER (PVT.) LTD.

First Floor, 7-C-1, Gulberg III, Lahore.

### TORS FOR PROCUREMENT OF “SERVERS & FIREWALL”

1. Companies having NTN number and GST registration are eligible to participate in the tender and companies are required to submit the necessary documentary proof in this regard, otherwise bids will not be entertained.
2. Bank Draft/Call Deposit of **Rs. 50,000/-** as earnest money in favor of “Quaid-e-Azam Thermal Power Pvt. Limited” must be enclosed with the consolidated sealed Tender/Quotation.
3. Only those firms can participate which are working as distributors/authorized dealer of the items and have to attach necessary documentary proof in this regard, otherwise bids will not be entertained.
4. A certificate that the company is never blacklisted by any Government Department.
5. The procurement procedure shall be Single Stage Single Envelope as per Punjab Procurement Rules 2014. This procurement will be governed by the Punjab Procurement Rules, 2014 which may be downloaded from the website [www.ppra.punjab.gov.pk](http://www.ppra.punjab.gov.pk).
6. The bidder should have an office in Lahore from at least 5 years at the date of submission and local & relevant resources available in the city of purchase to cater for all the after-sales support. Documentary proof in this regard also required.
7. Firms will have to supply the items as per the specifications attached with TORs.
8. No downward deviation from the required specifications of items is acceptable.
9. Rate quoted in bids must be valid for 45 days.
10. Incomplete tenders will not be accepted and over-writing, if any, on the tender should be certified / verified by the firms.
11. Bid will be accepted on the basis of technical compliance with specifications mentioned and total lowest cost for all the items mentioned.
12. The vendor will be responsible to supply the items in Store Room at his own cost and complete in all respect as per specifications approved by the Committee/ Competent Authority.



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13. The Purchase Committee / Competent Authority can accept or reject any one or all tenders without assigning any reason.
14. The scope of work includes the supply, installation and configuration of the equipment.
15. The items will be provided ex-stock on immediate basis after the award of Supply Order. Delivery period should not exceed 05 working days after the award of Supply Order.
16. Warranty must be as per the tender specifications and must be verifiable from the manufacturer's website.
17. Bids should be submitted in Pak Rupees only, inclusive of all taxes.
18. Taxes will be deducted as per Government Rules/Policy.
19. An authorized representative / committee of the Quaid-e-Azam Thermal Power Project will inspect the equipment within one week of supply and installation. Any discrepancies found during inspection must be removed within 03 working days by the supplier.
20. Payment will be made after the clearance by the authorized representative / committee.
21. 10% payment will be held for warranty claim of the equipment, till the lapse of warranty period of servers.
22. Successful bidder will be allowed a maximum of 48 hours' downtime for all components in warranty claim including replacement of whole unit. However, in case of replacement of a component that needs to be imported, maximum of 30 calendar days will be allowed but in the meantime bidder will be bound to provide a temporary replacement within 48 hours of downtime.



# QUAID-E-AZAM THERMAL POWER (PVT.) LTD.

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## SPECIFICATIONS OF SERVERS: -

### Primary Server

Minimum specifications for Primary Server are given below:

Descriptions	
Casing Type	Standing
Chipset	Intel C610 series chipset
Processor	Intel® Xeon® E5-2630 v4 2.2GHz,25M Cache,8.0 GT/s QPI, Turbo, HT,10C/20T (85W) Max Mem 2133MHz
Additional Processor	Intel® Xeon® E5-2630 v4 2.2GHz,25M Cache,8.0 GT/s QPI, Turbo, HT,10C/20T (85W) Max Mem 2133MHz
Processor Thermal Configuration	2 CPU Standard
Memory DIMM Type and Speed	2400MT/s RDIMMs
Memory Configuration Type	Performance Optimized
Memory Capacity	2 x 16GB RDIMM, 2400MT/s, Dual Rank, x8 Data Width
RAID Configuration	RAID 5 for H330/H730/H730P (3-16 HDDs or SSDs)
RAID Controller	PERC H730 RAID Controller, 1GB NV Cache
Hard Drives	4 x 600GB 10K RPM SAS 12Gbps 2.5in Hot-plug Hard Drive,3.5in HYB CARR
Additional Network Cards	On-Board Broadcom 5720 Dual Port 1Gb LOM
Embedded Systems Management	iDRAC8, Basic
Internal Optical Drive	16x SATA DVD RW Drive
Power Cords	NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America
Power Supply	Dual, Hot-Plug, Redundant Power Supply (1+1)
Server Accessories	Keyboard and Optical Mouse, USB, Black, English
Warranty	3 Years Local Warranty



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## Secondary Server

Minimum specifications for Secondary Server are given below:

Descriptions	
Casing Type	Standing
Chipset	Intel C610 series chipset
Processor	Intel® Xeon® E5-2630 v4 2.2GHz,25M Cache,8.0 GT/s QPI, Turbo, HT,10C/20T (85W) Max Mem 2133MHz
Processor Thermal Configuration	2 CPU Standard
Memory DIMM Type and Speed	2400MT/s RDIMMs
Memory Configuration Type	Performance Optimized
Memory Capacity	2 x 16GB RDIMM, 2400MT/s, Dual Rank, x8 Data Width
RAID Configuration	RAID 5 for H330/H730/H730P (3-16 HDDs or SSDs)
RAID Controller	PERC H730 RAID Controller, 1GB NV Cache
Hard Drives	4 x 600GB 10K RPM SAS 12Gbps 2.5in Hot-plug Hard Drive,3.5in HYB CARR
Additional Network Cards	On-Board Broadcom 5720 Dual Port 1Gb LOM
Embedded Systems Management	iDRAC8, Basic
Internal Optical Drive	16x Sata DVD RW Drive
Power Cords	NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America
Power Supply	Dual, Hot-Plug, Redundant Power Supply (1+1)
Server Accessories	Keyboard and Optical Mouse, USB, Black, English
Warranty	3 Years Local Warranty



## QUAID-E-AZAM THERMAL POWER (PVT.) LTD.

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### Specifications of Network Security Firewall

Minimum specifications for Network Security Firewall are given below:

Descriptions	
Security Processor	2 x 800 MHz
Memory (RAM)	1 GB
1 GbE Copper interfaces	5
Expansion	USB
Firewall inspection throughput	750 Mbps
Full DPI throughput	100 Mbps
Application inspection throughput	300 Mbps
IPS throughput	300 Mbps
Anti-malware inspection throughput	100 Mbps
IMIX throughput	200 Mbps
SSL Inspection and Decryption (DPI SSL)	45 Mbps
VPN throughput	300 Mbps
Minimum Connections per second	5,000/sec
Minimum Connections (SPI)	50,000
Minimum connections (DPI)	50,000
Single Sign On (SSO) Users	500
VLAN interfaces	25
Site-to-Site VPN Tunnels	8
IPSec VPN clients	10
SSL VPN licenses	50
Encryption/Authentication	DES, 3DES, AES (128, 192, 256-bit)/MD5, SHA-1, Suite B Cryptography
Key exchange	Diffie Hellman Groups 1, 2, 5, 14
Route-based VPN	RIP, OSPF
IP address assignment	Static, (DHCP PPPoE, L2TP and PPTP client), Internal DHCP server, DHCP Relay
NAT modes	1:1, many:1, 1: many, flexible NAT (overlapping IPS), PAT, transparent mode
Routing protocols	BGP, OSPF, RIPv1/v2, static routes, policy-based routing, multicast
QoS	Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1e
Authentication	XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix
Warranty	1 Year Local Warranty



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## TENDER DOCUMENTS FOR PURCHASE OF "SERVERS & FIREWALL" FOR QUAID-E-AZAM THERMAL POWER

Tender Price: Rs.500/-  
(Nonrefundable)

Receipt No: - \_\_\_\_\_

Dated: - \_\_\_\_\_

Opening date: - \_\_\_\_\_

C.D.R # \_\_\_\_\_

Name of firm: - \_\_\_\_\_

Address: - \_\_\_\_\_

Phone No: - \_\_\_\_\_ N.T.N. No: - \_\_\_\_\_

G.S.T. Registration No: - \_\_\_\_\_

Sr. No.	Description of Item	Quantity	Price (PKR) (Inclusive all taxes)
1.	Primary Server	01 No.	
2.	Secondary Server	01 No.	
3.	Network Security Firewall	01 No.	
<b>Total Bid Price</b>			

Note:

- Rate given in the tenders must be inclusive of all government taxes.
- Rate must be given on this tender Performa otherwise tender will not be entertained.
- No tender shall be entertained without **Rs. 50,000/-** earnest money of the bid in shape of CDR.
- Other conditions are as per Tender document.

**General Manager (Admin & HR)**  
**Quaid-e-Azam Thermal Power (Pvt.) Limited**