

TENDER NOTICE

INTERNATIONAL ISLAMIC UNIVERSITY ISLAMABAD (IIUI) invites sealed bids from the Original Manufacturer / Authorized Distributors (With Valid Authorization/Distribution Certificate)/ Suppliers registered with Income Tax and Sales Tax Departments and who are on **Active Taxpayers List (ATL)** of the Federal Board of Revenue for "Purchase and Installation of Networking Infrastructure Equipment" for IIU:

Sr. #	Items' Description	Tender Submission Date & Time (On OR Before)	Tender Opening Date & Time	Tender Fee (Rs.) *
1.	<u>NETWORKING INFRASTRUCTURE EQUIPMENT:</u> Layer-2 Managed Switches, UPS, Batteries along with Battery Bank, IBM Thin Client Terminal, Hypervisor/Hyper converged infrastructure/virtualization Software & NMS, Network Monitoring Software	21-12-2021 10:30 A.M	21-12-2021 11:00 A.M	3,000/-

02. Bidding Documents, containing detailed Terms & Conditions etc. can be downloaded from PPRA & IIUI websites.

03. Sealed bids, prepared in accordance with the instructions in the bidding documents must reach **on OR before** the above date & time at the following address:

Asstt. Director-II (P&S)
Room No. 213, 2nd Floor, Admin Block, New Campus, Sector H-10
International Islamic University Islamabad.
Tel: 051-9019255

04. Bids will be opened by the ***Bid Opening Committee*** as per above schedule/date & time in the **COUNCIL HALL**, Admin Block, Sector H-10, New Campus, International Islamic University Islamabad in the presence of bidders/their representative(s) who may like to attend the bid opening.

05. International Islamic University Islamabad reserves the right to accept or reject any or all bid(s) in terms of Rule-33 of Public Procurement Rules 2004.

Project Director

Project Titled: *Expansion and Upgradation of IIUI*
International Islamic University, Islamabad. Tel: 051-9019241

Asstt. Director-II (P&S)
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INTERNATIONAL ISLAMIC UNIVERSITY ISLAMABAD

Purchase & Store Section, Admin Block, New Campus, Sector H-10, Islamabad.

Tel: 051-9019255 Fax: 051-9258073

Tender No. 2/1/2020/P&S-

Sub: **Tender Document for Purchase and Installation of "Networking Infrastructure Equipment" for IIU**

"TERMS AND CONDITIONS"

1. Any addition, deletion or modification of any clause of the procurement terms & conditions of International Islamic University Islamabad (IIUI) by any vendor will not be acceptable and may lead to rejection of the bid.
2. Original manufacturers / authorized distributors (With Valid Authorization/ Distribution Certificate)/ suppliers registered with Income Tax and Sales Tax Departments and who are on Active Taxpayers List of the Federal Board of Revenue are eligible to participate in tender.
3. Documents along with Pay Order/Call Deposit/Demand Draft amounting to **Rs.3,000/-** as a tender documents fee (Non-Refundable) shall be submitted in favor of International Islamic University, Islamabad, to the address given below.
4. Part / Advance payment(s) is not allowed.
5. The exact completion/delivery time from the date of the purchase / work order will be maximum **90 days**. The handing over / completion time is of critical importance.
6. After opening of bids, International Islamic University Islamabad will examine the bids for completeness as per tender document.
7. Purchase order(s) will be awarded to the lowest evaluated OR technically recommended bidder (s) on the basis of item wise / subtotal wise / grand total wise according to the nature of BoQs/Compatibility requirements.
8. International Islamic University, Islamabad will follow the PPRA rule of **Single Stage One Envelope procedure**:
9. Bidders cannot challenge the findings of the evaluation or ask for reason of disqualification.
10. The bid should be submitted in a sealed envelope up to **21-12-2021** on or before **10:30 a.m** and will be opened on the same date at **11:00 a.m** in the presence of available bidders.
11. The envelope should be marked as under;

*Asstt. Director-II (P&S)
Room No. 213, 2nd Floor, Admin Block,
Sector H-10, New Campus
International Islamic University, Islamabad.
Tel: 051-9019255*

12. The envelope shall also bear the word "**CONFIDENTIAL**" and following identification quotation for "**Purchase and Installation of Networking Infrastructure Equipment for IIU**".
13. **If the vendor fails to deliver the goods to International Islamic University, Islamabad in time then the penalty will be charged as under:**
 - a. 02% per month of the total Purchase Order value.
 - b. If the vendor fails to deliver the goods / services during the extended period (if granted) then the purchase / work order may be cancelled and Earnest money may be forfeited.
14. If the delivered goods / services are not according to the required quality standards / specifications, the same shall be liable to be rejected after inspection. The bidder/vendor would be required to REPLACE as per requirements mentioned in our BoQs at no cost to the IIUI, otherwise the purchase / work order will be cancelled after due date with confiscation of earnest money AND bidder will bear all cost and expenses thereof.

15. All prices should be quoted on **FOR Basis (inclusive of all applicable taxes)**.
16. All prices should be valid for at least **120 days** Withdrawal or any modification of the original offer within the validity period shall entitle IIUI to forfeit the earnest money in favor of the IIUI and / or put a ban on such vendor participation in IIUI tenders / works.
17. It is the sole responsibility of the bidder / agent / supplier / manufacturer to comply with the applicable laws, be national or international.
18. In case of any dispute, decision of the President, IIUI will be final and binding upon the parties.
19. The IIUI reserves the right to modify the quantities of goods / services at any time before the award of purchase/ work order.
20. **The bidder is required to furnish in form of "Call Deposit" @3% (Re-fundable) of total value of the bid as Earnest Money in favor of "International Islamic University Islamabad". Any bid not accompanied by Earnest Money shall be rejected without any right of appeal.**
21. Retention Money @10% of total value of supply order shall be retained by the IIU till the successful completion of the warranty period of the goods.
22. International Islamic University Islamabad reserves the rights to accept or reject the bid if;
- Received later than the date and time fixed for tender submission
 - The tender is unsigned/ unstamped
 - The offer is ambiguous
 - The offer is conditional
 - Offer is made by the unauthorized agent/ supplier/service provider of the original equipment manufacturer.
 - The offer is from a firm, which is black listed by any Govt. Office.
 - The offer is received by telephone/telex/fax/telegram.
 - Any unsigned / ambiguous erasing, cutting / overwriting etc. is made.
 - The Company Profile, client list and detail of similar projects/works is not attached.
23. The bidder should furnish a **CERTIFICATE** on judicial STAMP PAPER worth Rs. 100 as worded below in token of acceptance of all the terms and conditions of the tender. Otherwise the tender will not be considered under any circumstances.

I / We

- **Company / Vendor Name:** _____
- **Postal Address:** _____
- **Tel. No:** _____ **Mob No.** _____
- **NTN# :** _____ **GST#:** _____

The undersigned certify that our above named Firm/Company is not blacklisted by any Govt. Office and the terms and conditions as contained in this document, viz "**Terms and Conditions**" are accepted unconditionally.

Sign & Stamp

Note:

1. Please quote the rates on our BoQs and clearly mention the quoted item(s) Make / Model / Country of Origin and Guarantee/Warranty, otherwise your bid / items may lead to rejection.
2. The quoted item(s) should be of the same specs, make/model or their equivalent.
3. In Addition to filling of the attached BoQs, supporting literature of the quoted model must be attached for verification & technical evaluation of the required specification by the bid evaluation committee. In case of any clash found between the quoted model and the literature model, the item/bid may be rejected.
4. Please also attach the Certificate supporting being Active Taxpayer as per requirement of FBR.

BOQ FOR PROCUREMENT OF "NETWORKING INFRASTRUCTURE EQUIPMENT"

Sr #	Items Description	Qty.	Unit Price with applicable taxes (Rs.)	Total Price with applicable taxes (Rs.)
1.	<p><u>LAYER-2 MANAGED SWITCH:</u></p> <p>i) <u>Access Layer Switches 24 Ethernet 10/100/1000 ports 2 x2 10GB Uplinks:</u> Huawei/H3C or Equivalent Fixed Configuration Layer 2/3</p> <ul style="list-style-type: none"> ➤ 24x 01G RJ45 Ports + 02x 10G SFP or more ➤ 01x Management Port, 01x Console (RJ45 or USB type C) ➤ 90 Gbps switching Capacity or higher. ➤ Security Feature required on Access Switch: (802.1x, DHCP Snooping, Dynamic ARP inspection, Port Security, DDoS Attack Protection and Secure Copy - SCP) and Loop Detection, (Spanning Tree Protocol - STP, RSTP, MSTP, BPDU Guard, Loop Guard, 4k VLAN, 802.3ad, 802.1Q and IGMP Snooping v3) ➤ Switch should support Hybrid Port Mode on all the Switch Ports. ➤ The Switch must be with all keys/licenses if any ➤ Product category: Enterprise-class Access Switching ➤ Product should comply 3 years NBD and TAC support from Principle and Local Partner & switch must not be EOL before 5 to 7 Years 	30		
	<p>ii) <u>Access Layer Switches 48 Ethernet 10/100/1000 ports 2x2 10GB Uplinks:</u> Huawei/H3C or Equivalent Fixed Configuration Layer 2/3</p> <ul style="list-style-type: none"> ➤ 48 x 01G RJ45 Ports + 02x 10G SFP or more ➤ 01x Management Port, 01x Console (RJ45 or USB type C) ➤ Power budget of 370 Watt or Higher. ➤ 90 Gbps switching Capacity or higher. ➤ Security Feature required on Access Switch: (802.1x, DHCP Snooping, Dynamic ARP inspection, Port Security, DDoS Attack Protection and Secure Copy - SCP) and Loop Detection, (Spanning Tree Protocol - STP, RSTP, MSTP, BPDU Guard, Loop Guard, 4k VLAN, 802.3ad, 802.1Q and IGMP Snooping v3). ➤ Switch should support Hybrid Port Mode on all the Switch Ports. ➤ The Switch must be with all keys/licenses if any ➤ Product category: Enterprise-class Access Switching. <p>Product should comply 3 years NBD and TAC support from Principle and Local Partner & switch must not be EOL before 5 to 7 Years</p>	15		
2.	<p><u>UPS:</u></p> <ul style="list-style-type: none"> ➤ Power Rating: 10KVA/10KW Rack/Tower Convertible ➤ Power factor: 1 ➤ Input: 1ph- 1ph ➤ Type: Long Back Up Model - Lithium Compatible design ➤ Back up Time: 2 Hours at 8 kW Load ➤ Input Voltage Range: Input: 175 ~ 280 VAC (At full load) ➤ Input Frequency Range: 40~70 Hz ➤ AC Efficiency: >95% ➤ Charger Rating: Min 10- 15 Amp ➤ Recharge Time: 4 hours max. ➤ Input THD (iTHD): <3% ➤ Parallel Connectivity: up to 4 unit ➤ UPS Parallel Kit (If any): Included ➤ Flexible Battery Configuration: 16 to 20 Pcs ➤ Battery Connectivity: Hot swappable Battery Replacement ➤ UPS Design: Common Battery Architecture (Single Battery Bank for multiple UPS) ➤ Overload Capability: 105% Continuous Load, 120% 10 Min, 150% 1Min ➤ Compatibility: Compatible with LiFePO4 & Supercapacitor Battery bank ➤ UPS Brand: Known EU / US brand /Equivalent ➤ Installation base: Offered brand must be at least 5 years old in Pakistan with same installation experience ➤ Company Strength: Offered Supplier must be in UPS business for past 5 years in Pakistan ➤ Warranty with parts: 3 years - Services on Site ➤ Installation: Installation along with appropriate power cables, calibration etc. with battery bank and battery connected cables 	02		

3.	<u>BATTERIES ALONG WITH BATTERY BANKS:</u> <ul style="list-style-type: none"> ➤ Power Rating: > 16KWh Battery Bank - Compatible with UPS ➤ Back up time: 2 Hours minimum on 8 KVA Load ➤ Back up De-rating: < 10% per year ➤ Battery Type: Lithium (Life PO4) or Supercapacitor ➤ Design Life: 10+ years ➤ Cycles: >5000 cycles at 80% DoD ➤ Charge Rate: 0.5 - 1.0 C ➤ Operating Temperature: 0~50 degree C ➤ Battery Rack: Included ➤ DC connecting cables: Included ➤ BMS For LFP/Supercars: Built-in ➤ BMS Combiner Modules: BMS Synchronization Should be included ➤ Warranty: 3 years or repair / replacement (On-site services) 	02 each		
4.	<u>IBM THIN CLIENT TERMINAL/EQUIVALENT:</u> <ul style="list-style-type: none"> ➤ Item: Centrum N610 or Equivalent ➤ Processor: Intel Quad Core 2.0 GHz Processor ➤ VDI /HSD Support: Citrix Receiver / VMWare View / Microsoft RDP Compatible ➤ RAM: 4 GB RAM DDR3L ➤ SSD Storage: 128 GB SSD Storage ➤ Display: 18.5" Display Screen ➤ Resolution: 1366 X 786 @ 60 Hz ➤ Networking: 10 / 100 / 1000 Gigabit Ethernet ➤ Wi-Fi: Built-in Wi-Fi ➤ I/O Peripheral Support: 1 DVI Port, 5 USB 2.0 Ports, 1 USB 3.0 Port ➤ Speaker: Built-in Speaker ➤ Keyboard & Mouse: Keyboard and Mouse included ➤ Power Consumption: < 25 W ➤ Supported OS: Windows 10 Operating system Supported (only no Windows License) ➤ Warranty: 1 Year Warranty 	100		
5.	<u>HYPERVISOR/ HYPER CONVERGED INFRASTRUCTURE/ VIRTUALIZATION SOFTWARE & NMS:</u> <u>Hyper Converged Infrastructure:</u> Sangfor/VMware/Huawei/Oracle or Equivalent <ul style="list-style-type: none"> ➤ 3 Years Software Upgrade & 24 x 7 Remote Technical Support ➤ Must Have Minimum 5 Local Pakistan HCI Deployment with Reference Contacts ➤ Must Quote Principal Onsite Configuration & Installation ➤ Must Quote Principal Training & Certification ➤ Must Quote 5 Years of All Subscription Separately Virtualization Management Software <ul style="list-style-type: none"> ➤ Must Propose High Availability Redundancy for Virtualization Management Platform ➤ Must Support Management for Existing VMware Virtual Machines ➤ Must Support Role-Based Management with Permission Control ➤ Must Support HTML5 Web Management ➤ Must Support Centralized Control & Visibility ➤ Must Support Future Scale Out Up to 64 Nodes ➤ Must Support to Integrate with Multiple Hypervisors Compute Virtualization Hypervisor <ul style="list-style-type: none"> ➤ Must Support High Availability Between Nodes ➤ Must Support VM Snapshot, VM Clone, VM vMotion ➤ Must Support VM Resources Automated Hot-Add ➤ Must Support Distributed Resource Scheduler (DRS) ➤ Must Support Distributed Switch by Using Cluster-Level Network Aggregation ➤ Must Support Hardware Health Check to Monitor CPU, Memory, Network Interface Card, Hard Drive and RAID Controller 	03 (for 3 Server Machines having two processors)		

	<p>Storage Virtualization</p> <ul style="list-style-type: none"> ➤ Must Be the Same Vendor as Compute Hypervisor ➤ Must Support 2 Copies & 3 Copies Data Redundancy ➤ Must Support Data Striping Technology ➤ Must Support SSD Cache & SSD Data Tiering ➤ Must Support Data Disk Balancing & Data Rebuilding <p>Network Virtualization</p> <ul style="list-style-type: none"> ➤ Must Be the Same Vendor as Compute Hypervisor ➤ Must Support to Display Whole Data Center Network Topology ➤ Must Support Network L2 Bridging to Physical Environments ➤ Must Support Distributed Routing & Distributed Switching ➤ Must Support Distributed Firewalling & Micro-Segmentation ➤ Must Support Display Network Traffic Flow in Real-Time ➤ VM Backup Software Solution ➤ Must Support Full VM Level Backup ➤ Must Support Lifetime Perpetual License ➤ Must Support to Backup All Virtual Machines With 4 Nodes ➤ Must Support Incremental Backup Technology & Difference Backup Technology ➤ Must Support Automated Schedule Backup (Weekly, Daily, Hourly and Secondly) ➤ Must Support Backup Repository to Internal Virtual Storage ➤ Must Support Backup Repository to External SAN Storage ➤ Must Support iSCSI, FC, Network File Sharing Protocol 			
6.	<p><u>Network Monitoring Software (03 Years):</u> Network Performance Monitor and Solar Server Performance Monitor, Only for Servers & Switches</p>	01		

For any technical queries; please contact:
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