TENDER DOCUMENT

About PIDE:

The Pakistan Institute of Development Economics (PIDE) was established at Karachi in 1957 and in 1964 accorded the status of an autonomous research organization by the Government of Pakistan. It is devoted to theoretical and empirical research in Development Economics in general and on Pakistan-related economic issues in particular. In addition to providing a firm academic basis to economic policy-making, its research also provides a window through which the outside world can view the nature and direction of economic research in Pakistan.

In November 2006, PIDE was granted the degree awarding status and hence provides quality education which is affordable but of world class standard in this region along with a truly stimulating learning environment.

All technical queries for items from s.no. 1 to 4 will be directed to Mr. Abdul Mansoor Khan, Systems Analyst, at mansoor@pide.org.pk or 051-9248083. Administrative and financial queries will be handled by the Registrar office at 051-9248051.

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A list of items along-with minimum technical specification is given below:

S#	DESCRIPTION	SPECIFICATION	QTY.
1	24 Ports POE Switch	• 24 x 10/100/1000Base-T ports, 4 x 10GE/GE SFP+/SFP ports (POE/POE+ Power from all downlink ports) • RAM≥512MB • Flash≥512MB • Switching capacity: 120 Gbps or more • Forwarding performance: 90 Mpps or more • Available 360W POE power supply or more • 4K VLAN • 32K MAC Address • QinQ, LACP, STP, RSTP, MSTP, RRPP, ERPS, LLDP, Jumbo Frames • Static Routing, RIP, RIPng, OSPF, OSPFv3, ipv6 routes, PBR, DHCP Server/Client/Relay • 4K ARP entries • 4K IPv4 routes • Support IGMP v1/v2/v3, IGMP v1/v2/v3 snooping, PIM-DM, PIM-SM and MSDP • IPv4 multicast routes 1K, IPv6 multicast routes 1K • Stacking support up to 8 switches • VRRP, DLDP, Smart link, Monitor link, EFM and CFM • Support mac authentication and 802.1x authentication • Defense against UDP flood, TCP SYN flood, ICMP flood and packet fragment attacks, ARP packet rate limiting • CLI and Web interface (HTTPS), Telnet, SSH v2, SNMP v1, v2, and v3, eMDI • Support Automation with SDN Controller, NETCONF and YANG • Support ITU-T G.8032, ITU-Y.1731, IEEE 802.1D, 802.1P, 802.1Q, 802.1ad, 802.3ab, 802.3ad, 802.3ah, 802.1ab, RFC792, RFC 959, RFC 1305, RFC 1981 and RFC2131. • The vender should be In leader or visionaries or challenger position of 2020 wired and wireless LAN Access Gartner Report • 1-year warranty with Highest Level of Principal Support Manufacturer Authorization letter addressed to procuring agency must be attached.	3

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S#	DESCRIPTION	SPECIFICATION	QTY.
2	48 Ports Non-POE Switch	• 48 x 10/100/1000Base-T ports, 4 x 10GE/GE SFP+/SFP ports RAM≥512MB • Flash≥512MB • Switching capacity: 170 Gbps or more • Forwarding performance: 130 Mpps or more • 4K VLAN • 32K MAC Address • QinQ, LACP, STP, RSTP, MSTP, RRPP, ERPS, LLDP, Jumbo Frames • Static Routing, RIP, RIPng, OSPF, OSPFv3, ipv6 routes, PBR, DHCP Server/Client/Relay • 4K ARP entries • 4K IPv4 routes • Support IGMP v1/v2/v3, IGMP v1/v2/v3 snooping, PIM-DM, PIM-SM and MSDP • IPv4 multicast routes 1K, IPv6 multicast routes 1K • Stacking support up to 8 switches VRRP, DLDP, Smart link, Monitor link, EFM and CFM • Support mac authentication and 802.1x authentication • Defense against UDP flood, TCP SYN flood, ICMP flood and packet fragment attacks, ARP packet rate limiting CLI and Web interface (HTTPS), Telnet, SSH v2, SNMP • v1, v2, and v3, eMDI Support Automation with SDN Controller, NETCONF and YANG • Support ITU-T G.8032, ITU-Y.1731, IEEE 802.1D, 802.1P, 802.1Q, 802.1ad, 802.3ab, 802.3ad, 802.3ah, 802.1ab, • RFC792, RFC 959, RFC 1305, RFC 1981 and RFC2131. • The vender should be In leader or visionaries or challenger position of 2020 wired and wireless LAN • Access Gartner Report 1 year warranty with Highest Level of Principal Support Manufacturer Authorization letter addressed to procuring agency must be attached.	2

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S #	DESCRIPTION	SPECIFICATION	QTY.
3	Core Switch	• 24 x 10G/GE SFP+/SFP ports, 6 x 40GE QSFP+ ports, the 40G ports can support upgrade to 100G ports through license for future expansion • Dual AC power supply • RAM≥4GB • Flash≥2GB • Switching capacity: 2 Tbps or more • 4K VLAN • 256K MAC Address • QinQ, LACP, STP, RSTP, MSTP, RRPP, ERPS, LLDP, Jumbo Frames • Static Routing, RIP, RIPng, OSPF, OSPFv3, IS-IS, IS-IS for IPv6, BGP, BGP4+, ipv6 routes, PBR, DHCP Server • 128K ARP entries • 128K IPv4 routes • Support IGMP v1/v2/v3, IGMP v1/v2/v3 snooping, PIM-DM, PIM-SM and MSDP IPv4 multicast routes 16K, IPv6 multicast routes 2K • Stacking support up to 8 switches (Stacking Cable to be included) VRRP, DLDP, Smart link, Monitor link, EFM, MFF and • CFM Support mac authentication and 802.1x authentication • Defense against UDP flood, TCP SYN flood, ICMP flood and packet fragment attacks, ARP packet rate limiting • CLI and Web interface (HTTPS), Telnet, SSH v2, SNMP v1, v2, and v3, eMDI • Support VxLAN, BGP-EVPN Support Automation with SDN Controller, NETCONF and YANG Support ITU-T G.8032, ITU-Y.1731, IEEE 802.1D, 802.1P, • 802.1Q, 802.1ad, 802.3ab, 802.3ad, 802.3ah, 802.1ab, RFC792, RFC 959, RFC 1305, RFC 1981 and RFC2131. • The vender should be In leader or visionaries or	2

		challenger position of 2020 wired and wireless LAN Access Gartner Report ● 1-year warranty with Highest Level of Principal Support Manufacturer Authorization letter addressed to procuring agency must be attached.	
4	SFP	GE 10km SM SFP (Must be original and same brand as of quoted switch)	48
		SFP+ 1.4km SM SFP (Must be original and same brand as of quoted switch)	4

Note: The Bidder will be responsible for the installation commissioning and integration with existing PIDE network. The project will be awarded on Turn Key bases.

BIDDING METHOD:

Single Stage, Two Envelope Procedure will be used for procurement. Each bid shall comprise one single envelope containing, separately, financial proposal and technical proposal.

FIRMS EVALUATION CRITERIA: -

Only those firms who are meeting the mandatory requirements as mentioned below shall be further considered for technical and financial evaluation;

MANDATORY REQUIREMENTS:

1. Bid bond
2. Bid validity (at-least 60 days)
3. The vendor must have an established office at Islamabad / Rawalpindi, which will be inspected by the Institute's authorized Officer (if deemed necessary).
4. The participating firms will have to give their G.S.T./NTN number, Profile and undertaking that the firm has never been blacklisted by any organization(s).
5. The bidder must be an Authorized Distributors/Resellers of the quoted brands. (Valid certificate from Principal is required)
6. The bidder must have been in the business of desired equipment for at least five years. (Proof required)
7. The bidder must have a qualified technical support team for the Items provided by them.
8. The quoted items must meet the minimum technical specifications mentioned in the tender document. Any additional specification must be highlighted separately along with its cost (if any).
9. The quoted items must be branded, have standard local warranty and imported through legal channels.

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DISQUALIFICATION:

The PIDE purchase committee may reject any or all bids under PPRA Rules and/or not conforming to the requirements mentioned in the evaluation criteria section.

BID VALIDITY:

All quoted prices inclusive of all taxes and educational discounts (if any) shall be valid for 60 days from the closing date of the bid. PIDE shall not be responsible for any price hike and/or rate fluctuation in the market.

AWARD OF WORK:

The firm, after taking into consideration the technical evaluation results and financial bid, found to be the most advantageous bid under PPRA Rule (36), shall be selected for provision / installation of items/equipment.

DELIVERY AND PAYMENT:

Successful vendor/party/firm, to whom the purchase order is issued, will be responsible for delivery/installation/testing of items/equipment/material within time specified in the work/purchase order. Failure to do so by the vendor may result in permanent or temporary debarment/blacklisting under Rule (19) of PPRA Rules.

Upon successful delivery/installation/testing of the equipment/material/items within the time specified in the work/purchase order and production of original bills/delivery challans, PIDE shall make prompt payments to the vendor within 30 days from the date of submission of bills/challans.

GRIEVANCE:

Any firm/vendor/party may file its written complaint, by remaining within time limitation period as prescribed in Rule (48) of PPRA Rules, against the eligibility parameters, evaluation criteria or any other terms and conditions prescribed in the bidding documents if found contrary to the provisions of the PPRA rules to the Grievance Redressed Committee (GRC) of PIDE. Such complaints will be decided under Clauses 1-7 of Rule (48) of PPRA Rules.

EVALUATION CRITERIA: -

A comparative statement of all eligible bidders for each item with detailed specifications will be prepared.

TERMS AND CONDITIONS:

1. Valid certificate of authorized dealership for the quoted items
2. Proof of registration for GST and NTN
3. Company profile with complete address of the offices in Islamabad/Rawalpindi
4. PIDE may reject any or all proposals under PPRA Rule (33).
5. Quoted prices must include Standard local warranty and educational discounts (if any).
6. No advance payment shall be made to the successful vender and payment shall be released only after successful completion and testing of the equipment.
7. The delivery time for each item must not exceed 30 days after placement of the work order otherwise PIDE will deduct an amount of 1% per day from the price of the delayed item(s).
8. Bids complete in all respects should reach the undersigned within 15 days i.e., by 10:30 A.M. No late submissions will be entertained.
9. OEM must have Local support team in Pakistan, Islamabad/Rawalpindi.
10. Solution integrated should be tear-1 partner of quoted brand
11. Solution integrated should have certified resources of product and provide training to 03 staff members of the Institute.

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