Government of Pakistan
Ministry of Information Technology & Telecommunication

Digital Pakistan
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F.No.3-1/2019-IT

TENDER NOTICE FOR PROCUREMENT OF
HARDWARE AND SOFTWARE

Sealed Proposals/Quotations/bids are invited from reputed firms/companies for supply of Hardware and Licensed Software for up-gradation of IT Infrastructure of Ministry of IT & Telecom. Major Terms & Conditions are listed below for guidance of prospective bidders:

2.   Single Stage – Two Envelope Procedure will be adopted for the tender process.

3.   The tender documents can be obtained from the office of the undersigned on any working day from **14.03.2022** or may be downloaded from the website of PPRA www.ppra.org.pk and Ministry of Information Technology and Telecommunication's website www.moitt.gov.pk.

4.   Tender bid with 5% bid security in favour of Section Officer (General) MoITT to be delivered upto **30.03.2022 at 11:00 AM.** Tender will be opened in MoITT at **11:30 AM** on the same date in the presence of bidders or their representatives.

5.   No tender documents shall be issued on the date of opening.

6.   MoITT reserves the right to increase / decrease quantity of items and right to accept or reject any / all bids or annul the tender by assigning the reason(s), thereof.

(Akram Shafique)
Section Officer (General)
M/o IT & Telecommunication
7th Floor, New Secretariat (Kohsar Block),
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TERMS AND CONDITIONS

1. The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the "Technical Proposal" and the "Financial Proposal".

2. The participating contractor / firms must provide proof of registration with Sales Tax Department and quote their NTN/General Sales Tax Numbers having duly been issued by the Income Tax/Sales Tax Departments and must be on the Active Taxpayers List of the Federal Board of Revenue.

3. Tenders should accompany an Earnest Money (refundable) @ 5% of the total bid in the shape of Bank Draft/Pay Order in favour of Section Officer (Admn), Ministry of Information Technology and Telecommunication, Islamabad (**Cheque will not be accepted).**

4. Financial bids of the technically qualified firms will be opened only before the representatives who wish to attend the tender opening at a given date, time and place. Financial bids of unqualified firms / technically rejected firms will be returned unopened to them.

5. Earnest Money of unsuccessful bidders will be returned/refunded after finalizing the award of tender to successful bidders. However, Earnest money of successful contractors / firm(s) will be converted into "Security Deposit" which will be returned after the supply of items and successful completion of Operational Acceptance Test (OAT).

6. Bids are required to be submitted in Pak Rupees inclusive of all applicable taxes.

7. Submission of false Statement/Documents as well as concealing of any information is liable to disqualify the respective contractor / firm(s).

8. An affidavit that the contractor / firm has not been blacklisted by any Ministry / Division/ Department / Organization of the Government is mandatory.

9. Overwriting / use of fluid / strikethrough text in the offered prices shall not be accepted.

10. The bidder must clearly mention correspondence address of his office along with phone / email contact.

(Akram Shafique)
Section Officer (General)

MINISTRY OF IT & TELECOMMUNICATION

Request for Bids (RFQ)

For

Supply of Hardware & Licensed Software

Government of Pakistan

Ministry of Information Technology and

Telecommunication

www.moitt.gov.pk

March, 2022

1. Scope of Work

i.   Provision, installation, configuration and successful testing of IT Hardware's and Software's. Detailed information is placed at **Annexure-I**.

ii.   All the equipment should have three (3) years warranty, including parts and Labour. However, any bidder giving extended warranty time period at lower price will be encouraged.

iii.   Responding Organization / Bidder is encouraged to propose any other item required to make the equipment operational mentioned at **Annexure-I**.

iv.   Provision of local onsite training of the provided equipment and its professional level certifications.

v.   Responding Organization / Bidder is recommended to conduct the survey to determine installation, measurement, cabling etc for bidding purpose at proposed location(s). There will be no cost liability on the Ministry for surveying.

2. Validity of Proposals

All proposals and prices shall remain valid for a period of 120 days from the closing date of the submission of the proposals. However, the Responding Organization / Bidder is encouraged to state a longer period of validity of the tender.

3 Currency

All prices in the proposal shall be quoted in Pakistani Rupees (PKR).

4 Withholding Tax, Sales Tax and Other Taxes

i.   The Responding Organization / Bidder must be registered with the Sales Tax registration Department and should be in possession of valid National Tax Number (NTN). Copies of the certificates must be provided with the bid.

ii.   The Responding Organization / Bidder shall be responsible for payment of any kind of duties/taxes etc. that are imposed by the Government of Pakistan or would be imposed in future.

iii.   The Responding Organization / Bidder is hereby informed that the Government shall deduct tax at the rate prescribed under the tax laws of Pakistan, from all payments for products supplied and services rendered by any Responding Organization / Bidder who signs a contract with the Government.

5 General Terms & Conditions

i.   The successful vendor shall be required to deposit, in the form of a Bank Guarantee, a Performance Bond upon execution of the contract, 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) for three (3) years after all contractual obligations have been fulfilled.

ii.   The Responding Organization / Bidder should be authorized Partner/ Reseller/Manufacturer, of THE ORIGINAL EQUIPMENT MANUFACTURER, in Pakistan or through its authorized distributor in Pakistan. Proof in the form of certificates or letter should be provided.

iii.   All equipment should be supplied through verifiable distribution channels. The provided equipments should not be End of Sales/End of Service for minimum five years.

iv.   Responding Organization / Bidder should not be a blacklisted firm by any public sector organization and should not have any unsatisfied public sector customer. As a proof, Responding Organization / Bidder should submit an affidavit in this regard on a stamp paper.

v.   The Responding Organization / Bidder should provide information as per **Annexure-II**. Responding Organization / Bidder may not propose any kind of refurbished/Used/End of Life Hardware equipment's/components in their technical proposals.

vi.   Responding Organization / Bidder should clearly indicate the time duration of delivery of equipment after the award of contract.

vii.   Title of End User licenses, End User warranties and any contract(s) for support services will be with the Ministry, for all the equipment delivered during the course of the project.

viii.   Responding Organization / Bidder should attach Income Tax Registration/ Sales Tax Registration or Company Registration Certificate (i.e SECP) to prove that they have been in IT Business.

ix.   Bidder has to provide complete items for each category / lot of hardware and software as given in **Annexure-II**, otherwise, the bid would not be considered and rejected during evaluation.

x.   Responding Organization / Bidders, if found in corrupt and fraudulent practices would be dealt accordingly including blacklisting and debarment of bidders as per PPRA Rules.

xi.   Responding Organization / Bidder with experience of three or more years in the relevant field would be preferred.

xii.   Responding Organization / Bidder or partners should be a Company / firm having operational office at Islamabad / Rawalpindi.

6   Implementation & Payment Schedule

S/N	MILESTONES	TIME PERIOD
01	Supply of equipment, Installation and Configuration of Hardware	Supply of Equipment alongwith installation and configuration within Four weeks.
02	Successful testing and Acceptance	Two weeks from installation and configuration of Hardware
03	End of performance Guarantee	Performance Guarantee will have to be provided to cover the warranty period of the hardware which will be three years from the date of successful testing and acceptance.

Technical Eligibility Criteria

1. Hardware Technical Specifications

S. No.	Description	Unit	Qty
Active Equipment			
1.	**Core Switch: (Layer 3 Switch)** • Minimum 24 x 1/10 GE SFP+ ports • Minimum Out-of- band 10/1000 BaseT Ethernet port for management • Redundant power supplies (optional) • Ensure interoperability between network protocols on the switches should be a single version of the operating system. • Forwarding performance must be not less than 450 Mpps • Switching capacity must be not less than 600 Gbps • Non-blocking architecture. All ports must operate on highest possible speed simultaneously • The maximum number of stored MAC addresses in the switching table the switch shall be not less than 30K • The routing table of the switch must store up to 8K of IPv4 routes • Stacking with other families switches from the same manufacturer • Stacking support for up to 4 devices • Traffic monitoring • Link Aggregation Group (LAG) • VLAN, VxLAN • Port Security Features • The switch must support traffic balancing mechanism • Must support IPv4/IPv6 routing protocols: Static routes, RIP v1/2, OSPF, OSPFv3, IS-IS,VRRP, BGP, ECMP, MPLS • support Policy-based Routing • User authorization • Each interface for connecting user devices must support Hardware queues. • Capable of QoS features of traffic classification, traffic behavior, traffic shaping, congestion avoidance & congestion Management • Capable of packet filtering at Layer 2 to Layer 4 • Minimum 03 warranty along with support & Services	No	2

S. No.	Description	Unit	Qty
Active Equipment			
1.	**Access Switch (24 port)**: • Minimum 24 x 10/100/1000Base-T ports • Minimum 4 x 10G SFP+ ports uplinks ports • Out-of- band 10/100 BaseT Ethernet port for management, Serial Port • Forwarding performance must be not less than 90 Mpps • Switching capacity must be not less than 120 Gbps. • VLAN, MACSec • Port Security Features • DHCP Features • Port Mirroring, Traffic Monitoring • Management: Telnet, SSH, SNMP, Web Management HTTP/HTTPS • Stacking with other families of switches from the same manufacturer • Link Aggregation Group (LAG) • STP, RSTP, MSTP all features. • Must support routing Ipv4/v6 protocols: OSPF,RIP v1/v2, • Minimum 03 warranty along with support & Services	No	2

S. No.	Description	Unit	Qty
Active Equipment			
2.	**Access Switch (48 port)**: • Minimum 48 x 10/100/1000Base-T ports • Minimum 4 x 10G SFP+ ports uplinks ports • Out-of- band 10/100BaseT Ethernet port for management, Serial Port • Forwarding performance must be not less than 120 Mpps • Switching capacity must be not less than 160 Gbps. • VLAN, MACSec • Port Security Features • DHCP Features • STP, RSTP, MSTP all features. • Port Mirroring, Traffic Monitoring • Management: Telnet, SSH, SNMP, Web Management HTTP/HTTPS • Stacking with other families of switches from the same manufacturer • Link Aggregation Group (LAG) • Must support routing Ipv4/v6 protocols: OSPF,RIP v1/v2, • Minimum 03 warranty along with support & Services	No	3

S. No	Description	Unite	Qty
3	**Internet Access Manager (IAM) :** • Bandwidth management, Traffic control, User Behavior Audit and Reporting. • Application Layer Throughput minimum 150 Mpps • Solution should be capable of catering at least 300 users and provided with suitable hardware. • User name and password authentication with External or internal AD Server. • Role matching attribute to authorize users by role as per the organization's structure on network. • Solution should be able to monitor network traffic, URL logs, etc. with respect to user. • Solution should be integrate with existing infrastructure. • Solution should be able to block particular website, application, VPN, torrent, services etc. with respect to individual user. • Should be able to allocated/limit bandwidth for individual user • Solution should have reporting module. • Self-service portal for temporary access of internet for guest after authentication rather through Web-Based Application, External SMS gateway, Email or any other medium. • Administrator should be able to view and delete individual Guest Passes. • Minimum 03 warranty along with support & Services.	No	1

Sr. No	Accessories	Quantity
1	Minimum 4X10 GE SFP+ connectivity module of Huawei USG 6390 Firewall. This module will be used for 10 GE connectivity between Firewall and Core Switch. Expansion slot is available on installed firewall.	01
2	600GB SAS (6G DP 15K) HDD for HP 2000 SAN	02
3	64 GB RAM and 2 TB SSD for HP DL 160 Server	02 each
4	10 GE SFP+ for uplink connectivity between Switches (optical). Should be same brand of quoted switches	15
5	fiber patch cords uplink connectivity 10 meter	10
6	fiber patch cords uplink connectivity 15 meter	05
7	fiber patch cords uplink connectivity 03 meter	05
8	1 GE SFP for uplink connectivity between Switches (optical). Should be same brand of quoted switches	05
9	40-inch smart LED Screen including LAN , wifi , USB wired or wireless keyboard and mouse connectivity,	01
10	Fiber Connectivity between Switching and Server Room, including ducting and all installation.	01
11	Security Access System for Server Room: (Glass Door Lock) having digital lock, figure and face detection.	01

2. Software Technical Specifications

Sr. No	Details	Quantity
1	Huawei USG 6390 Firewall UTM License including IDS, IDP, Content Security, URL filtering, Anti-spam and Anti-virus. 05 Year	01
2	Microsoft Windows 10 Professional or latest for 30 clients.	01

During technical evaluation, the Committee will verify the fully compliance of technical specifications mentioned at **Annexure-I** (Compliance sheet should be provided by Responding Organization / Bidder). Only fully complied Responding Organization(s) / Bidder(s) would be qualified during technical evaluation while the non-complied bidders / organizations would be disqualified. The Government's Evaluation & Award Committee on the parameters given in the technical proposal will make the technical evaluation.

Note: Financial bids of the technically qualified firms will be opened only before the representatives who wish to attend the tender opening at a given date, time and place. Financial bids of unqualified firms / technically rejected firms will be returned unopened to them.

Provision of Hardware and Licensed Software

Lot/Category - I

S/N	Item	Qty	Unit Cost (Rs)	Total Cost
Hardware				
01	Core Switches	02		
02	Access Switches	05		
03	Internet Access Manager (IAM)	01		
04	10-G Connectivity Module For USG 6390 Firewall	01		
05	SFP'S along with patch Cords	20		
			Total in Pak Rupees	

Lot/Category – II

S/N	Item	Qty	Unit Cost (Rs)	Total Cost
1	64 GB RAM for DL 160 Server	02		
2	02 TB SSD for DL 160 Server	02		
3	600GB SAS HDD for HP 2000 SAN	02		
4	Security Access Control For Server Room	01		
5	40 inch Smart LED Screen	01		
6	Fiber Connectivity and installation	----		
			Total in Pak Rupees	

Lot/Category – III

S/N	Item	Qty	Unit Cost (Rs)	Total Cost
Software				
01	Huawei USG 6390 Firewall NGF(UTM/IPS) License.05 Years	01		
02	Licensed Microsoft Windows 10 Professional or latest for 30 Users	01		
			Total in Pak Rupees	