

GOVERNMENT OF KHYBER PAKHTUNKHWA, FINANCE DEPARTMENT

TENDER NOTICE

Sealed tenders are invited from well reputed firms duly registered with Income Tax and Sales Tax Departments for supply and installation of wireless Local Area Network and video conferencing system in Finance Department using single stage two envelope procedure of Khyber Pakhtunkhwa Procurement Rules, 2014.

2. Tender documents/Detailed specifications of the aforesaid items, terms and conditions may be downloaded from the website: www.financekpp.gov.pk or obtained from the undersigned during office hours before the closing date i.e. 11th March 2016.

3. The interested firms/parties (active tax payers) may submit their sealed bids along with call deposit @ **2%** of total cost of the bid in the shape of Bank Draft/Pay Order through any scheduled Bank in favour of undersigned latest by 11th March 2016(before 1400 hours), which will be opened on the same date at 1500 hours in the presence of bidders/authorized representatives of the bidders in the office of the undersigned. Incomplete bids/received after due date will not be entertained.

**Project Director/Additional Secretary (PFC)
Government of Khyber Pakhtunkhwa,
Finance Department, Civil Secretariat, Peshawar
(Phone No. 091-9212551)**

TENDER DOCUMENT

AND

TERMS & CONDITIONS

TENDER DOCUMENT

Name of Firm: _____
Address: _____
Telephone No. _____ Fax.No: _____
GST Reg.No. _____
NTN: _____

TERMS & CONDITIONS:

1. Income/Sales Tax etc. will be deducted as per Govt. Rules.
2. Tender document must be signed by the authorized person of the firm.
3. Call deposits in shape of Cheques will not be accepted.
4. Sealed bids shall be sent through registered mail/courier service, which must be reached to the office of the undersigned upto 11th March 2016 (before 1400 hours). The bids received late shall not be entertained.
5. Incomplete/conditional bids shall not be acceptable.
6. Rates/quotations must be valid for 90-days.
7. The supplier shall clearly mention delivery timelines in the quotation.
8. A letter on company letter head signed by authorized representative stating that the bidder has never been indulged in any litigation and has never been blacklisted by any Ministry/Division/Department/Organization of the Government(s) and provided original/genuine items must be attached with bids.
9. If any fault/defect occurs in the equipment during the warranty period, it will be done /replaced by the supplier at his own risk and cost.
10. Items will be delivered/installed at Finance Department, Civil Secretariat Peshawar within the time limit mentioned in the supply order at the cost of the supplier.
11. No transportation and carriage charges will be paid for delivery/installation of the equipment.
12. The firm interested in supply of the above equipment should quote separate price for each item.
13. The Competent Authority has the right to accept or reject the tender partially or entirely under section 47 of Khyber Pakhtunkhwa Procurement Rules, 2014.
14. The Competent Authority reserve the right to increase or decrease quantities of the items required.

**Project Director/Additional Secretary (PFC)
Government of Khyber Pakhtunkhwa,
Finance Department, Civil Secretariat, Peshawar
(Phone No. 091-9212551)**

Acceptance Note:

We, hereby, accept all the above mentioned terms and conditions as a whole prescribed for supply of items.

**Signature of the Bidder
With Seal**

**DETAILED
SPECIFICATIONS
OF
Video CONFERENCE
SYSTEM**

1.0 Specification

1 . Origin: European/American/Japan

Full HD Multipoint with Full HD 1080p Camera (Quantity 2)

Sr.	Specifications for	Compliance(Y/N)	Remarks
No	Video Conferencing		
1	Codec Features		
	Up to 1080p60 resolution		
2	High-definition content sharing up to 1080		
3	H.323/SIP up to 6 Mbps		
4	individually Transcoded multipoint(3+1) conferencing		
5	Dual Display Support for second Screen		
6	Camera Full HD 1080p with 12x zoom		
7	Video Standards		
	<ul style="list-style-type: none"> ● H.261, H.263, H.263+, H.264 		
8	Video Features		
	<ul style="list-style-type: none"> ● Native 16:9 Widescreen 		
	<ul style="list-style-type: none"> ● Advanced Screen Layouts 		
	<ul style="list-style-type: none"> ● Intelligent Video Management 		
	<ul style="list-style-type: none"> ● Local Auto Layout 		
9	Video Inputs (2 Inputs)		
	1 X HDMI Inputs, Supported Formats:		
	<ul style="list-style-type: none"> ● 1920 x 1080 		
	1 X DVI-I Inputs, Supported Formats:		
	Analog (VGA):		
	<ul style="list-style-type: none"> ● 1920 x 1080 		

10	Video Outputs (2 Outputs)		
	2 X HDMI Output Supported Formats:		
	<ul style="list-style-type: none"> ● 1920 x 1080@60 Hz (1080p60) 		
11	Live Video Resolutions		
	1920 x 1080@30, 60 fps (HD1080p60)		
12	Audio Standards		
	G.711, G.722, G.722.1, 64 bit kbps & 128 bit kbps MPEG4		
13	Audio Features		
	<ul style="list-style-type: none"> ● CD-Quality 20KHz Mono and Stereo 		
	<ul style="list-style-type: none"> ● Automatic Gain Control (AGC) 		
	<ul style="list-style-type: none"> ● Automatic Noise Reduction 		
	<ul style="list-style-type: none"> ● Active lip synchronization 		
14	Content Channel		
	<ul style="list-style-type: none"> ● H.239 (H.323) on second Screen 		
	<ul style="list-style-type: none"> ● BFCP (SIP) on second Screen 		
	<ul style="list-style-type: none"> ● 1080p (1920 x 1080) 		
15	Encryption		
	<ul style="list-style-type: none"> ● H.323/SIP point-to-point 		
	<ul style="list-style-type: none"> ● Standards-based: H.235 v2 & v3 and AES 		
	<ul style="list-style-type: none"> ● Automatic key generation and exchange 		
	<ul style="list-style-type: none"> ● Encryption Supported in Second Stream 		
16	Network Interfaces		
	<ul style="list-style-type: none"> ● 1 x LAN/Ethernet (RJ-45) 10/100/1000 Mbit 		

Customized Rack for Video conferencing			
1	Main Structure of Rack should be of Metal.		

Requirement

Sr. No	Description	Qty	Brand	Unit Price	GST	Total Price
1	Video Conference System					
i	Full HD Video Conferencing System point to multipoint (3+1), Dual Display	2				
ii	Customized Rack for Video conferencing	2				
2	Warranty/services					
i	1 Year Replacement Warranty	2				
ii	Onsite Support	2				
	Grand Total					

General Compliance Sheet

Sr No	Description	Comply	Remarks	References
		(Yes/No)		(Attachments)
(i)	The company should be in Video conference business at least for 5 year and must have provided similar products and services to various Private and government institutions			
(ii)	Principle should be present in Pakistan, Provide address			
(iii)	Principle should have local depot to provide Warranties locally in 24-48 Hour			
(iv)	Quoted Brand/Model should be deployed at least 300 location in Pakistan, Must provide list with Purchase Order and contact details of customer.			
(v)	Vendor must have office in Peshawar, Provide Address			
(vi)	Vendor must have done one project in KPK with worth over 10million in KPK.			

(vii)	There should be at least 5 project completed by vendor in which they deployed solution for video conferencing and value of total project is over Rs.10 Million, Attach Purchase Order			
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DETAILED SPECIFICATIONS OF SMART WIRELESS NETWORK

1.0 Requirements:-

S.No	Required Solution-WLAN	QTY
1	Wireless Lan Controller Unit support 75 access points	1
2	Wireless Access points	12
3	24port Layer 3 Switch	1
4	24Port layer 2 switch POE	3
5	Adaptive Security Appliance Firewall	1
6	Layer 3 Router services integrated 24ports	1
7	UPS 1KVA	3
8	Civil Work As per actual: <ul style="list-style-type: none"> • Cat 6 Cable • RJ 45 connectors • Switch mounting • PVC Ducting • Cable testing to Server Room 	-
9	USB Wifi Dongle 300Mbps	100

Technical Compliance sheet			
Sr.No	Specifications for Wireless LAN Controller	Compliance(Y/N)	Remarks
1.1	<ul style="list-style-type: none"> • Supports up to 75 access points • Supports up to 1000 clients 		
1.2	<ul style="list-style-type: none"> • For quick and easy deployment Access Points can be connected directly to Wireless LAN Controller via two PoE (Power over Ethernet) ports 		
1.3	<ul style="list-style-type: none"> • Wired-network speed and non-blocking performance for 802.11n and 802.11ac networks. Supports up to 1 Gbps throughput 		
1.4	<ul style="list-style-type: none"> • Provides both real-time and historical information about RF interference impacting network performance across controllers, via systemwide CleanAir® technology integration 		
1.5	<ul style="list-style-type: none"> • Offers CAPWAP-compliant Datagram Transport Layer Security (DTLS) encryption to help ensure full-line-rate encryption between access points and controllers across remote WAN/LAN links 		
1.6	<ul style="list-style-type: none"> • Supports Unified Communications for improved collaboration through messaging, presence, and conferencing 		
1.7	<ul style="list-style-type: none"> • Supports all Unified Wireless IP Phones for cost-effective, real-time voice services 		
	<ul style="list-style-type: none"> • Integrates VideoStream technology as part of the medianet framework to optimize the delivery of video applications across the WLAN 		

1.8	<ul style="list-style-type: none"> ● Part of Payment Card Industry (PCI) certified architecture, and are well-suited for retail customers who deploy transactional data applications such as scanners and kiosks 		
1.9	<ul style="list-style-type: none"> ● Extends the corporate network to remote locations with minimal setup and maintenance requirements 		
1.10	<ul style="list-style-type: none"> ● Separate service set identifier (SSID) tunnels allow both corporate and personal Internet access 		
1.11	<ul style="list-style-type: none"> ● Reduced carbon dioxide emissions from a decrease in commuting 		
1.12	<ul style="list-style-type: none"> ● Higher employee job satisfaction from ability to work at home 		
1.13	<ul style="list-style-type: none"> ● Improves business resiliency by providing continuous, secure connectivity in the event of disasters, pandemics, or inclement weather 		
1.14	<ul style="list-style-type: none"> ● Allows access points to dynamically establish wireless connections without the need for a physical connection to the wired network 		
1.15	<ul style="list-style-type: none"> ● Organizations may choose to turn off access point radios to reduce power consumption during off-peak hours 		
1.16	<ul style="list-style-type: none"> ● Secure, reliable wireless connectivity and consistent end-user experience 		
1.17	<ul style="list-style-type: none"> ● Increased network availability by proactive blocking of known threats 		
1.18	<ul style="list-style-type: none"> ● Equips administrators for IPv6 troubleshooting, planning, client traceability from a common wired and wireless management system 		
1.19	<ul style="list-style-type: none"> ● Supports up to 15 guest anchor Ethernet over IP (EoIP) tunnels for path isolation of guest traffic from enterprise data traffic 		
1.20	<ul style="list-style-type: none"> ● Extends the guest access services to the wired clients on par with other WLAN Controllers 		
2	Specifications for Access points	Compliance(Y/N)	Remarks
2.1	<ul style="list-style-type: none"> ● Dual –Band 2.4GHz and GHz access points (APs) with 802.11ac wave 1 support on the integrated 5-GHz radio 		
2.2	<ul style="list-style-type: none"> ● Sleep design with internal antennas ● Ideal for office environment 		
2.3	<ul style="list-style-type: none"> ● Classify over 20 different types of interference, including non-WiFi interference with 5 to 30 seconds 		
	<ul style="list-style-type: none"> ● Automatic remedial action and less manual intervention 		

2.4	<ul style="list-style-type: none"> UL 2043 plenum-rated for above ceiling installation or for suspending from drop ceilings 		
2.5	IEEE 802.11a , IEEE 802.11ac (draft 5.0) , IEEE 802.11b , IEEE 802.11d , IEEE 802.11g , IEEE 802.11h , IEEE 802.11i , IEEE 802.11n , IEEE 802.1x , IEEE 802.3af , Wi-Fi CERTIFIED		
2.6	IEEE 802.11a , IEEE 802.11ac (draft 5.0) , IEEE 802.11b , IEEE 802.11g , IEEE 802.11n		
2.7	450 Mbps data transfer rate		
2.8	3T4R MIMO technology , Auto-sensing per device , CleanAir technology , ClientLink 2.0 technology , Cyclic shift diversity (CSD) , DFS support , Maximum Ratio Combining (MRC) , Power over Ethernet (PoE) , Wi-Fi Multimedia (WMM) support		
2.9	2.4 GHz , 5 GHz wifi band		
2.10	Wireless access point		
2.11	802.11a/b/g/n/ac (draft 5.0) wireless protocol		
3	Specifications of Switch Layer 3	Compliance yes/NO	Remarks
3.1	Integrated Wireless LAN Controller		
3.2	Uninterrupted Performance at Layer 2 and Layer 3		
3.3	A New Level of Efficiency for Converged Networks		
3.4	Granular Control for the Access Environment		
3.5	Single IP Management: Many Switches, One Address		
3.6	IPv6 Support		
3.7	10 Gigabit Ethernet Support: Increased Uplink Bandwidth for Gigabit Ethernet Deployments		
3.8	<ul style="list-style-type: none"> Switch Express Forwarding hardware routing architecture delivers extremely high-performance IP routing. 		
3.9	<ul style="list-style-type: none"> Basic IP unicast routing protocols (static, Routing Information Protocol Version 1 [RIPv1], RIPv2 and RIPv6) are supported for small-network routing applications. 		
3.10	<ul style="list-style-type: none"> IPv6 routing (OSPFv6 and EIGRPv6) support in hardware for maximum performance. The IP Services License is required. 		
3.11	<ul style="list-style-type: none"> Advanced IP unicast routing protocols (Open Shortest Path First [OSPF], Interior Gateway Routing Protocol [IGRP], Enhanced IGRP [EIGRP], Border Gateway Protocol Version 4 [BGPv4, IS-ISv4]) are supported for load balancing and constructing scalable LANs. The IP Services image is required. 		

3.12	<ul style="list-style-type: none"> Policy-based routing (PBR) allows superior control by facilitating flow redirection regardless of the routing protocol configured. The IP Services image is required. 		
3.13	<ul style="list-style-type: none"> HSRP provides dynamic load balancing and failover for routed links; up to 32 HSRP links supported per unit or stack. 		
3.14	<ul style="list-style-type: none"> Inter-VLAN IP routing for full Layer 3 routing between 2 or more VLANs. 		
3.15	<ul style="list-style-type: none"> Protocol Independent Multicast (PIM) for IP multicast routing is supported, including PIM sparse mode (PIM-SM), PIM dense mode (PIM-DM), and PIM sparse-dense mode. The IP Services image is required. 		
3.16	<ul style="list-style-type: none"> Routing is possible across the stack. 		
3.17	<ul style="list-style-type: none"> 128 switch virtual interfaces (SVIs) are recommended. Maximum of 1000 are supported (depending on the number of routes and multicast entries). 468 routed ports are supported per stack. 		
4	Specifications of Switch Layer 2	Compliance yes/NO	Remarks
4.1	<ul style="list-style-type: none"> Standard 802.1d STP support 		
4.2	<ul style="list-style-type: none"> Fast convergence using 802.1w (Rapid Spanning Tree [RSTP]), enabled by default 		
4.3	<ul style="list-style-type: none"> Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP) 		
4.4	<ul style="list-style-type: none"> Up to 8 ports per group with 16 candidate ports for each (dynamic) 802.3ad link aggregation 		
4.5	<ul style="list-style-type: none"> Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs). 16 VLANs supported in SG200-08 		
4.6	<ul style="list-style-type: none"> Port-based and 802.1Q tag-based VLANs 		
4.7	<ul style="list-style-type: none"> Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS 		
4.8	<ul style="list-style-type: none"> IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 256 multicast groups 		
5	Specifications of firewalls	Compliance yes/NO	Remarks
5.1	Comprehensive Support / Warranty for one year MUST		
5.2	Fire POWER IPS, AMP and URL Licenses or equivalent MUST		
5.3	Fire POWER IPS, AMP & URL or equivalent 1YR Subscription		

5.4	Fire SIGHT Management Center – Virtual appliance for 02 devices or equivalent		
5.5	Dedicated Management port		
5.6	IPS throughput (400 Mbps or more)		
5.7	Next-generation firewall throughput (350 Mbps)		
5.8	State-full inspection throughput (600Mps)		
5.9	Memory and system flash		
6	Specifications of Router services	Compliance yes/NO	Remarks
6.1	3 Integrated 10/100/1000 Ethernet ports with 1 port capable of RJ-45 or SFP connectivity		
6.2	1 service module slot		
6.3	4 Enhanced High-Speed WAN Interface Card (EHWIC) slots		
6.4	3 onboard digital signal processor slots		
6.5	1 internal service module slot for application services		
6.6	Fully integrated power distribution to modules supporting 802.3af Power over Ethernet (PoE) and Enhanced PoE		
6.7	Embedded hardware-accelerated VPN encryption		
6.8	Secure collaborative communications with Group Encrypted Transport VPN, Dynamic Multipoint VPN, or Enhanced Easy VPN		
6.9	Integrated threat control using IOS Firewall, IOS Zone-Based Firewall, IOS IPS, and IOS Content Filtering		
6.10	Identity management: Intelligently protecting endpoints using authentication, authorization, and accounting (AAA), and public key infrastructure		
6.11	High-density packet voice DSP module, optimized for voice and video support		
6.12	Standards-certified Voice XML browser services		
6.13	Support for Communications Manager Express and Survivable Remote Site Telephony		
6.14	Quoted brand must be American		

General Compliance Sheet

Sr No	Description	Comply (Yes/No)	Remarks	References (Attachments)
(i)	The company should be in WLAN business at least for 5 year and must have provided similar products and services to various Private and government institutions			
(ii)	Vendor Authorization Certificate is required from Principle to participate in Tender			
(iii)	Principle should be present in Pakistan, Provide address			
(iv)	Principle should have local depot to provide Warranties locally in 24-48 Hour			
(v)	Quoted Brand should be deployed at least 300 location in Pakistan, Must provide list with Purchase Order and contact details of customer.			
(vi)	Vendor must have office in Peshawar, Provide Address			
(vii)	Vendor must have done one project in KPK with worth over 30million in KPK against quoted brand			
(viii)	There should be at least 5 project completed by vendor in which they deployed solution for quoted brand and value of total project is over Rs.30 Million, Attach Purchase Order			