

POWER INFORMATION TECHNOLOGY COMPANY



TENDER FOR VIDEO CONFERENCE EQUIPMENT TENDER NO. PITC/G-224(12)/05-2017

CONTACTS:

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Note:

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- II. Mention exact brand, model and Part No. of quoted items and their supporting accessories.
- III. Warranty for 3 Years with Parts and Labour for all Hardware and software support.

ABRIDGMENT

1. Recipient	CEO (PITC)
2. Venue	PITC Conference Room, Subbasement WAPDA House Lahore
3. Pre-bid Conference date And Time.	26 -05-2017 , 11:00 A.M
4. Closing Date& Time of Technical & Financial Bids	06 -06-2017, 11:00 A.M
5. Technical Bids shall be opened	06 -06-2017, 11:30 A.M
6. Opening Date & Time of Financial Bids	Technical responsive firms shall be informed to participate in the opening process of financial bids with date and time.
7. Bid Money	2% of the total value of quoted cost (Please enclose bid money with technical bid envelope)
8. Type of Tender	Single Stage Two Envelopes
9. Cost of Tender Document	Rs.1,000/=
MATERIAL REQUIRED	
Video Conferencing solution	Supply of video conferencing equipment, Software, Communication links, Installation and connectivity from PEPCO office WAPDA House, Lahore to DISCOs Headquarters and WAPDA Ministry offices Islamabad.

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Sealed quotations are invited from the potential dealing firms for the supply of Video Conferencing equipment, software, connectivity and installation (Complete Solution) as per detail given in "Bill of Quantity".

INSTRUCTIONS TO THE BIDDER

- 1.1 Rates shall be quoted on the FCS basis (Free delivery at Consignee's Store).
- 1.2 The Bidders shall submit technical and financial bids in separate sealed envelopes, clearly marking "Technical" and "Financial", two copies of each (marked as original & copy. Soft copies of bids will also be required. Firms will be short listed on the basis of scrutiny of the technical bids. Financial bids of the short listed firms will be opened in the presence of bidders or their authorized representatives.
- 1.3 Date of opening of the financial bids will be informed well in time to technically qualified firms.
- 1.4 The bidders shall furnish bid money as a part of their tenders in form of Bank Draft or Bank Guarantee in favour of Chief Executive Officer PITC WAPDA House, Lahore, to be enclosed in the envelop of financial bid.
- 1.5 Mention exact brand, model and Part No. of quoted items and their supporting accessories.
- 1.6 Successful bidder shall deposit performance security, as described in rate contract or PO, not exceeding 10% of the value of the proposed purchase order in shape of bank draft or bank guarantee issued by any scheduled bank, in favour of indenter. The same shall be released after expiry of warranty period.
- 1.7 Competent authority reserves the right to accept or reject any offer or a part thereof or increase/decrease quantity to any extent without assigning any reason. The offer received incomplete or not in accordance with the conditions/specifications will not be entertained. Bid offered is likely to be ignored if: -
 - i) The tender is unsigned (all pages should be signed).
 - ii) It is received after the time and date fixed for its receipt.
 - iii) Offer is ambiguous or conditional.
 - iv) The offer is from a firm who is blacklisted by PEPCO, WAPDA or any other government organization, or is in litigation with any government organization or is defaulter in any previous order and/or contract.
 - v) The offer is unsolicited.
 - vi) The bid is not accompanied with full earnest money.
- 1.8 The tenders prepared by the bidders should comprise of the following documents:-
 - i) Covering letter.
 - ii) Receipt of tender document cost.
 - iii) Bid Money.

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- iv) Bill of quantities provided with tender document duly filled, signed and stamped.
- v) All certificates as per clause 4.

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2. TERMS AND CONDITIONS

- 2.1 All the equipment must be brand new, operate-able directly on 220 ± 5 volts and 50 MHz frequency.
- 2.2 The quoted price must be firm, final, inclusive of all taxes, transportation charges etc. in Pak Rupees.
- 2.3 The purchaser is not bound to accept the lowest offer not fulfilling the requisite criteria. The reasons for rejecting the lowest or any offer shall not necessarily be communicated.
- 2.4 Price will remain valid for at least 90 days from the date of opening of quotation.
- 2.5 The supplier shall be liable for liquidated damages @ 2% PM, if he fails to deliver the equipment within delivery period.
- 2.6 Quantities given in Bill of Quantity are based on rough estimate and may increase or decrease up to any extent. Successful bidder shall be bound to supply the required quantity, on the approved rates within the validity of the rates.
- 2.7 A joint inspection of the equipment supplied shall be carried out by CEO (PITC) or his representative.
- 2.8 The supplier has to arrange one complete set of equipment offered (hardware) if desired, for demonstration and inspection in the office of CEO (PITC) WAPDA House, Lahore before issuance of Rate Contract/Purchase Order. The equipment, which does not meet the technical specifications, can be rejected and the offer can be declared as technically non-responsive.

3 Schedule of Supplies

The delivery, installation of the equipment will be required to be normally completed within one month. In case of importable equipment to be shipped from abroad, delivery period can, however be allowed up to 45 days.

4 Evaluation Criteria

Bidder as a part of his bid shall provide the following: -

- 4.1 A list showing the location of Head Office along with those of Branch Offices.
- 4.2 A list of technical expertise and qualified maintenance engineers/staff to handle the hardware maintenance task efficiently along with their qualification.
- 4.3 A list of clients to whom the bidder has done or been doing business during last 3 years along with their Names, Addresses and Phone Numbers.
- 4.4 A certificate describing the guaranteed response time after a hardware failure when the complaint is logged within the warranty period. The maximum expected down time should also be defined and must not be more than 48 hours (two days). In case machine remains down beyond that duration, the bidder must have the demonstrated capability to replace faulty equipment.
- 4.5 Credential showing warranty for minimum three years with parts and labour or as given by manufacturer whichever is higher. Stickers with starting and ending date of warranty should be pasted on the machines at the time of delivery.
- 4.6 A clear written commitment to the effect that if any component of equipment supplied is damaged during warranty period it shall be replaced with the same or superior compatible component.

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4.7 List of consumables/exclusives (where applicable) which are not covered under warranty.

4.8 Manufacturer's authorization certificate, if authorized.

5 Evaluation Formula

5.1 A two-envelope procedure is opted in evaluation of the bids, with evaluation of the technical bid being completed prior to any price bid being opened and compared. The total points for bid evaluation are 100 points out of which the technical bid will carry 70 points and financial will be weighed 30 points. The financial bids will be opened only of those firms who have scored the minimum technical score of 70%.

5.2 The bid will be declared technically responsive if score of technical factors is 70 or more. The technical factors are defined at APPENDEX-I.

5.3 The maximum number of points (30 points) will be allotted to the lowest price bid that is opened and compared among those invited Firms which obtain the threshold points in the evaluation of the technical component. All other price bids will receive points in inverse proportion to the lowest price; e.g.

Price Score =	(Total Price Score i.e. 30 x Lowest Bid Price)
	Price Score of Bidder

Example:

1st Lowest Bid Price = 1000

2nd Lowest Bid Price = 1050

Price Score of 1st Lowest Bidder = $(30 * 1000)/1000 = 30$

Price Score of 2nd Lowest Bidder = $(30 * 1000)/1050 = 28.57$

6. Terms of Payment

Payment of the equipment supplied shall be made directly by consignees within thirty days, from the date of receipt of invoice, on production of following documents:

- a) Invoice in triplicate having NTN.
- b) GRN (Goods Receipt Note) issued by the consignee.
- c) Joint Inspection Report.
- d) Warranty Certificate as per clause 4.5.
- e) Sales Tax Invoice (if not exempted) or attach exemption certificate.
- f) Non-payment certificate.
- g) Performance Security Receipt Certificate.

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TECHNICAL EVALUATION CRITERIA

The Technical responsiveness will be determined by evaluating the following factors.

Sr. No.	Factors						Max. Score
1.	Company profile						20
	i.	Type (PVT), Ltd, Proprietary				6	
	ii.	No. Of Branches in Pakistan				7	
	iii.	Age of Company				7	
2.	A list of clients to whom the bidder has done or been doing business during last 3 years along with their Names, Addresses, Phone Numbers. List is to be provided bifurcating in following slabs: <input type="checkbox"/> Less than 0.5 million (7 Marks) <input type="checkbox"/> 0.5 million to 3 million (15 Marks) <input type="checkbox"/> Above 3 million (20 Marks)						20
3.	Qualified staff position of the firm (attach list).						30
	Sr. No	Name	Post	Qualification	Total Experience	Experience with present employer	
Max. scores						70	

Please fill in this table as required. Each question carries one mark. Qualifying marks are 70%.

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Category-A		Multipoint Video Conference Equipment	
Sr. No.	Description	Specification Parameter	Remarks
1	Brand	Polycom / Yealink/ CISCO/ Huawei or equivalent	
	Package	Full HD 1080p camera, codec, Microphone Array, cables, and remote control	
2	Video Standards and Resolutions	i) It should support H.323, SIP standards for communications.	
		ii) It should support H.261, H.263, H.264 AVC/ SVC, H.264 High Profile	
		iii) It should support 1080p 60 fps, 1080p 30 fps, 720p 60 fps and 720p 30fps	
3	Content Standards and Resolutions	(i) It should support content sharing using standard based H.239 and BFCP over SIP. It should also support audio from PC used for content sharing.	
		(ii) It should transmit both people and content both simultaneously to the far end location at 1080p 30fps	
4	Audio Standards and Features	(i) It should support G.711, G.728, G.729A, G.722, G.722.1, AAC-LD or better	
		(ii) It should support 20 kHz or better bandwidth with crystal clear audio and stereo sound.	
		(iii) Automatic Gain Control and Automatic Noise Suppression	
		(iv) Keyboard noise reduction and instant adaptation echo cancellation	
5	Video and Audio Inputs	(i) 1 x HD input for connecting main HD camera	
		(ii) 1 x HD input for connecting secondary HD camera	
		(iii) 1 x HDMI input for connecting PC/Laptop to share HD content	
		(iv) 1 x HDMI/Component for connecting VCR/DVD player	
		(v) 2 x Microphone Input(Support for minimum 4 misc.)	
		(vi) 2 x RCA line-in	
6	Video and Audio Outputs	(i) 2 x HDMI output for connecting main monitor & second monitor.	
		(ii) 1 x HD output for connecting additional monitor or DVD recorder.	
		(iii) 1 x RCA pair stereo line-out	

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7	Other Interfaces	(i)	2 x 10/100/1000 LAN port	
		(ii)	2 x USB 2.0 for software upgrade and connecting external devices	
		(iii)	1 x RS-232 mini-DIN 8-pin	
8	Camera	(i)	It should support 1080p60fps with 10x optical zoom.	
		(ii)	It should be capable of enhancing video conferencing experience with advanced face-recognition technology such that it automatically scans the room and seamlessly commands the main camera to appropriately frame the users during a call without any manual intervention.	
		(iii)	It should support PAN Range of +/-90°, and Tilt of +/-20°	
9	Network Features	(i)	H.323 and SIP bandwidth up to 6 Mbps	
		(ii)	IPv4 and IPv6 support from day one	
		(iii)	Auto Gatekeeper Discovery	
		(iv)	IP Precedence	
		(v)	H.323 based Packet Lost Recovery	
10	Multisite Feature	(i)	It should support at least 4 sites at 1080p/ 8 sites at 720p	
11	Security	(i)	Media Encryption (H.323, SIP): AES-128, AES-256	
		(ii)	The system should also support local recording of an encrypted call	
		(iii)	Authenticated access to admin menus, web interface and telnet API	
		(iv)	Local account password policy configuration	
12	Other Standards	(i)	H224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.243, H.460	
		(ii)	It should support native integration with on premise Lync server & SFB server.	
		(iii)	Auto sensing power supply	
13	Licenses	(i)	1080 License, Integration with Skype for Business, IBM Same time enabled	

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Category-B		Point to Point Video Conference Equipment	
Sr. No.	Description	Specification Parameter	Remarks
1	Brand	Polycom / Yealink/ CISCO/ Huawei or Equivalent	
	Package	Full HD 1080p camera, codec, Microphone Array, cables, and remote control	
2	Video Standards and Resolutions	i) It should support H.323, SIP standards for communications.	
		ii) It should support H.261, H.263, H.264 AVC/ SVC, H.264 High Profile	
		iii) It should support 1080p 60 fps, 1080p 30 fps, 720p 60 fps and 720p 30fps	
3	Content Standards and Resolutions	i) It should support content sharing using standard based H.239 and BFCP over SIP. It should also support audio from PC used for content sharing.	
		ii) It should transmit both people and content simultaneously to the far end location at 1080p @30 fps	
4	Audio Standards and Features	i) It should support G.711, G.728, G.729A, G.722, G.722.1, AAC-LD or better	
		ii) It should support 20 kHz bandwidth or better with crystal clear audio and stereo sound.	
		iii) Automatic Gain Control and Automatic Noise Suppression	
		iv) Keyboard noise reduction and instant adaptation echo cancellation	
5	Video and Audio Inputs	i) 1 x HD input for connecting main HD camera	
		ii) 1 x HDMI/DVI input for connecting PC/Laptop to share HD content	
		iii) 1 x Microphone Input (Support for minimum 2 misc.)	
		iv) 1 x 3.5mm stereo line-in	
6	Video and Audio Outputs	i) 1 x HDMI output for connecting main monitor	
		ii) 1 x 3.5 mm stereo line-out	
7	Other Interfaces	i) 1 x 10/100/1000 LAN port	
		ii) 2 x USB 2.0 for software upgrade and connecting external devices	
		iii) 1 x RS-232 mini-DIN 8-pin	
8	Camera	i) It should support 1080p60fps with 10x optical zoom.	
		ii) It should be capable of enhancing video conferencing experience with advanced face-recognition technology such that it automatically scans the room and	

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		seamlessly commands the main camera to appropriately frame the users during a call without any manual intervention.	
		iii) It should support PAN Range of +/-90°, and Tilt of +/-20°	
9	Network Features	i) IPv4 and IPv6 support from day one	
		ii) Auto Gatekeeper Discovery	
		iii) IP Precedence	
		iv) H.323 based Packet Lost Recovery	
10	Security	i) Media Encryption (H.323, SIP): AES-128, AES-256	
		ii) Authenticated access to admin menus, web interface and telnet API	
		iii) Local account password policy configuration	
11	Other Standards	i) H224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.243, H.460	
		ii) It should support native integration with on premise Lync server & SFB server.	
		iii) Auto sensing power supply	
12	License	i) Should have Dual Display License, 1080p enabled.	

Note: (1) The proposed system must support PAL with a PTZ camera. The codec must be based on ITU standards The VC End Point should be codec based hardware. No software based solution is accepted here. All components of the VC system like Codec, Camera and Microphone should be from the same OEM.

(2) Purchase order can be placed for both (category-A & Category-B) or any one

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BILL OF QUANTITIES

ITEM DESCRIPTION	Estimated quantity	Part No. (where applicable)	On FCS bases	
			Unit Rate	Total cost (including installation)
1. HD Terminal / Codec for Conference Room.	1			
2. <u>Camera + Codec</u> Full HD 1080p camera Remote Cables	1			
3. <u>Microphone</u> Omni-directional, boundary table top microphone Mute button	1			

Note: Also mention renewal fees after the expiry of warranty period.

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