



**PESHAWAR INSTITUTE OF CARDIOLOGY (PIC)  
(MTI)  
BID SOLICITATION DOCUMENTS  
FOR**

LOT # 1	SMD Screen & Audio System for Auditorium, (TURNKEY)
LOT # 2	Interactive screen for Lecture Halls. (TURNKEY)
LOT # 3	Video Conferencing Solution. (TURNKEY)

**FOR THE YEAR: 2021-22**

**Note:** The prospective bidder is expected to examine the Bidding Documents carefully, including all Instructions, Terms & Conditions, and Specifications etc. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.

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## 1. INTRODUCTION:

Peshawar Institute of Cardiology Medical Teaching Institution (PIC-MTI) invites item wise sealed bids from the eligible bidders (Suppliers) for procurement SMD Screen & Audio System for Auditorium, Video Conferencing Solution & Interactive screen for Lecture Halls for Hospital through open Competitive Bidding under rule 6(2) (b) “**Single Stage Two Envelope**” bidding procedures of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Rules 2014.

Description	Dates
Pre-bid meeting	8 March 2021 at 10:00 Hours
Closing/Last submission/Opening	25 March 2021 at 11:00 Hours & 11:30 Hours
Bid security	4% of the total Bid Value
Tender Procedure	Single Stage Two Envelope

## 2. INSTRUCTIONS TO BIDDERS:

1. This Bidding procedure will be conducted in light of Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Laws, Rules made there under along with Standard Bidding Documents.
2. Both Technical Bids and Financial Bids must be submitted in two separate sealed inner envelopes marked “**1-Technical Bids**” and “**2-Financial Bids**” which should be packed in one outer envelope.
3. The technical bids will be opened on **the above-mentioned time and date** in presence of the bidders/representatives who choose to attend while the financial bids will be opened later on after the evaluation of technical bids. Financial bids of only technically qualified responsive bidders will be opened while the financial bids of technically unqualified bidders will be returned unopened.
4. An affidavit is mandatory; in the Technical Bid that bid security is placed in the financial bid. Duly attested by notary public.
5. Any bid received after the deadline for submission of bids shall not be entertained and shall be returned unopened to the Bidder.
6. All the bidders are required to provide annexure wise complete requisite documents with page marking for their Technical Evaluation / Qualification as prescribed under the rules.
7. The bid should be complete in all respect and must be signed by the bidder.
8. All prices quoted must be in Pak Rupees (PKR) and should include all applicable taxes. If not specifically mentioned in the Quotation, it will be presumed that the prices include all the taxes. PIC Peshawar is exempted from GST.
9. Bidders are essentially required to provide correct and latest postal/email/web addresses, phone/mobile/fax numbers for actively and timely communication.

10. For any query, clarification regarding Services / Bid Solicitation Documents, the applicants may send a written request at least one day prior to the opening date.
11. The Bidder may after its submission withdraw its bid prior to the expiry of the deadline prescribed for submission of bids. Withdrawn bids will be returned unopened to the Bidders.
12. Any bid not received as per terms and conditions laid down in this document are liable to be ignored. No offer shall be considered if:
  - a. Received without earnest money;
  - b. It is received after the date and time fixed for its receipt;
  - c. The tender document and the bid is unsigned;
  - d. The offer is ambiguous;
  - e. The offer is conditional i.e. advance payment, or currency fluctuations etc.;
  - f. The offer is from blacklisted firm in any Federal / Provincial Govt. Dep't;
  - g. Only typed tender on original prescribing letter pad, sealed & signed (Every Page) should be submitted, the quoted Price must be pre printed and hand written quoted price will not be acceptable. The tenders must be according to hospital specification; alternate rates will not be acceptable.
13. Usage of correction fluid & corrections are strictly prohibited unless duly initiated.
14. Any erasing / cutting etc. appearing on the offer, must be properly signed by the person signing the tender.
15. Bids will be rejected if the Bid is in some way connected with bids submitted under names different from his own.
16. In case of Bid Tie, the decision will be taken by making toss/draw/Recall sealed quotation in front of the bidders.
17. Any direct or indirect effort by a bidding firm to influence this institution during the process of selection of a bidder or award of contract may besides rejection of its bid result into its disqualification from participation in the PIC-MTI Peshawar's future bids.

### 3. ELIGIBILITY CRITERIA:

- Bidders must give compliance to the below mentioned clauses as these are mandatory to being eligible for the bidding process. Relevant certificates must be attached.
- **The bidder must be registered with Income / Sales Tax Department, reflected as Active Tax Payer on the list of FBR.NTN and Professional tax.**
- The bidder shall provide an undertaking that the bidder has not been declared black listed by any Governmental/ Semi-Governmental institutions.
- Bidders shall not be eligible to bid if they are under a declaration of Ineligibility for corrupt and fraudulent practices issued by any government organization in accordance with the Section 44(1) KPPRA Rules 2014.

#### 4. GENERAL CONDITIONS: -

1. PIC Peshawar shall evaluate the proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements.
2. At any time prior to the deadline for submission of bids, PIC-MTI Peshawar may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.
3. If a bid is not substantially responsive, it will be rejected by the Procuring Entity and may not subsequently be made responsive by the Bidder by correction of the nonconformity.
4. PIC-MTI Peshawar may accept or reject any or all of the bids under KPPRA Rules, 2014.
5. Non-Provision of mandatory documents mention in these SBDs shall lead to disqualification of the firm / quoted items.
6. Bid document and required documents must be submitted in Hard Tap binding, Bids in the Clip or box file will not be allowed
7. The Procuring Agency, at any stage of the procurement proceedings, having credible reasons for or prima facie evidence of any defect in Supplier's capacities may require the Suppliers to provide information concerning their professional, technical, financial, legal or managerial competence.
8. The Procuring Agency has the right to inspect the premises of bidder to inspect the setups ensuring proper after sales services, documents mentioned in technical bids and any other relevant details. Premises (office/workshop) of bidder shall be insured through ownership/or Rent agreement.
9. The Bid security shall be shall be from bank account of the bidder. Ordinary cheque and Payment Order (PO) in the form of bid security shall result in bid rejection.
10. The Unit price quoted by the bidder shall be **inclusive** of all applicable duties and taxes. All prices shall include relevant taxes & duties, where applicable. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the Procuring Agency.
11. In case of the Importers/Authorized Dealers, the firm will ensure that the items are acquired from the original manufacturer and are procured through proper channel as advised by the original manufacturer.
12. Different models/ prices offered for a single item by the same bidder shall be considered as alternate bid and shall be non-responsive.
13. All reservations in SBDs shall be submitted in writing in the pre-bid meeting by authorized person/representative of the firm.
14. The schedule for supply of goods shall be as under:
  - i. Within 90 days from the date of issuance of supply order by the Purchasing Agency for items to be imported.
  - ii. Within 60 days from the date of issuance of supply order by the Purchasing Agency for items to be locally manufactured.
  - iii. Within 30 days from the date of issuance of supply order by the Purchasing Agency for items to be locally available.
15. The Penalty on late supply of goods shall be charged as under
  - i. Penalty @ 2% for late supply up to 15 days.
  - ii. Penalty @ 5% for late supply beyond 15 days

## **5. INVITATION FOR BIDS**

Hospital Director, **Peshawar Institute of Cardiology Peshawar-MTI** invites sealed tenders under National Competitive Bidding for the procurement of SMD Screen & Audio System for Auditorium, Video Conferencing Solution & Interactive screen for Lecture Halls for Hospital, under rule 6(2)(b) ***“single stage two envelope procedure”*** of KPPRA Rules 2014, from (General order supplier) registered with the Income / Sales tax, reflected on Active Taxpayer List of FBR.

The bidders are required to submit bid security @ 4 % of the total bid value in the name of Hospital Director PIC-MTI Peshawar. An affidavit is mandatory, in the technical bid that bid security is placed in the financial bid.

The tenders complete in all respect must reach the undersigned by the above-mentioned time and date, which will be opened at 11:30 hrs on the same day in conference room of the Complex in the presence of the committee and the bidders / representatives who may choose to attend.

Competent Authority reserves the right to reject any or all the bids as per provisions contained in Rule 47 of KPPRA Rules 2014.

## 6. BID SECURITY

Bid security @ 4 % of the total bid value sealed in the financial proposal. An affidavit is mandatory in the technical bid that bid security is placed in the **financial proposal**.

The bid security may be forfeited:

- i) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or
- ii) In the case of a successful Bidder, if the Bidder fails to sign the contract.

## 7. BID VALIDITY:

- i) The bids should be valid for a period of 120 days
- ii) In exceptional circumstances, PIC-MTI Hospital may solicit the Bidder's consent to an extension of the period of validity reasons shall be recorded in writing. The request and the responses there to shall be made in writing. The bid security provided shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.

Statement of Requirement	
(LOT 1)	<b>SMD Screen &amp; Audio System for Auditorium</b>

LOTs	Items	Estimated Qty
LOT-1	<b>Branded Indoor SMD Screen</b>	
	Branded Indoor SMD Screen with IP 3X or above (Front & Rear Protection) , With Decoder / Controller	1
	Sound System with Amplifier and Mixer	1
	Uninterrupted Power Supply	1
	Turnkey solution including civil work, Cabling, Installation	1

#### LOT-1

The bidder must be at least Tier-1/OEM Authorized partner for SMD of quoted brand.

The bidder must be Tier-2 /OEM Authorization for sound system & UPS for the project.

The Manufacturer must have CE, ROHS, FCC, ISO 9001 certifications for SMD.

Technical design document for Power, Sound and SMD to be submitted along with proposal.

#### Branded Indoor SMD Screen

Item	Description
Type	Branded Indoor SMD Screen with IP 3X or Above (Front & Rear Protection) with 4K Support work at room temperature  LED full-color display with minimum size 6m(W) x 4m(H) or above with additional 3 feet screen base
Pixel Pitch:	Maximum 2.5mm
Module Dimensions (W × H):	As per the brand frame specification
Module Resolution (W × H):	As per the brand frame specification
LED Unit Modules component (W × H):	As per screen size
LED Resolution (W × H):	Minimum 192 x 216 (OEM test document required) (Mandatory)
Ingress protection:	Minimum IP3X or above (Front & Rear both) (Mandatory)
Maintenance mode:	Front Maintenance for all components (Mandatory)
Material Frame:	Die-cast Aluminum (Mandatory)
Brightness (nits):	650 or above (OEM Proof Required)



<b>Viewing angle:</b>	138 degree Horizontal viewing angle or above 138 degree Vertical viewing angle or above
<b>Contrast:</b>	Minimum 5000:1
<b>Pixel Density:</b>	160,000 /m <sup>2</sup> (Mandatory)
<b>Power supply:</b>	180 to 240 VAC
<b>Frame frequency:</b>	60 Hz or above
<b>Processing depth (bit):</b>	Minimum 16 bit
<b>Brightness control:</b>	Auto/Manual, (with controller for managing on ECO mode)
<b>Working hours:</b>	Minimum 100,000 hours
<b>Working temperature:</b>	Minimum -10 to 50 ° C
<b>Storage temperature:</b>	Minimum -10 C ~ 40 C
<b>Additional Spares on Site</b>	10% of Module, Power supply, Receiving card. Must be provide imported cabinet / Frame.
<b>Decoder</b>	
<b>Type</b>	4K Supportive, Decoder (Plug & Play)
<b>Signal input:</b>	Minimum 1x HDMI 2.0, 1xDVI, 1xDVI, 1x3G-SDI
<b>Signal output:</b>	4 ch ports output, 1ch DVI output
<b>Max. resolution:</b>	Minimum 2048 x 1152@60Hz or above
<b>Frame frequency:</b>	Minimum 60 Hz
<b>Processing depth:</b>	Minimum 16 bits
<b>Brightness control:</b>	Automatic and manual
<b>Power supply:</b>	100 to 240 VAC
<b>Working temperature:</b>	Minimum -10 to 50 ° C
<b>Storage temperature:</b>	Minimum -10 C ~ 40 C
<b>Power Cable &amp; Accessories</b>	Branded Power Cable 4 Core 10mm or above (efficiently bear a SMD solution load), Per feet (ISO Certified brand). Along with all branded accessories (good quality) required for installation.
<b>Warranty &amp; Support (Screen + Decoder)</b>	Manufacturer Warranty: 2 Years on site (SMD+Decoder) Support: 2 Year Support, Repair and Maintenance All warranties should be from the principal on letter head
<b>Uninterrupted Power Supply</b>	To Support complete solution
<b>UPS (Known international brands like APC / Vertiv/ Riello)</b>	Branded Online 30KVA UPS (Minimum) With Backup support for 1 Hour at on 70% load, must support complete solution along with sound system.

	Size of the UPS may exceed as per the proposed solution requirements, backup time remains same.
	30KVA/30KW or above
	Power Factor Unity(1)
	Technology: double conversion online
	Pure sine wave
	In put DC : 176-288VAC
	With maintenance free external batteries along with battery bank (If required)
	Branded 0.565(23AWG), SOLID-Bare Copper (99.95%), 75C U/UTP CAT6 (UL Listed Cable)
<b>Warranty &amp; Support</b>	UPS Warranty: 2Years on site, Battery Warranty : 1 Year on Site (replacement) Support: 2 Year Support, Repair and Maintenance All warranties should be from the principal on letter head

### Sound Audio system for Auditorium

Mixer Amplifier	CE /EMC Certification	1
	240W/ 10 Input mixer amplifier or above	
	Minimum 6 microphones/line inputs plus 3 music source inputs	
	100V, telephone and call station input with priority & VOX	
	2 Zones and announcement only Output	
	Voice activated emergency override	
	High output 240 watts or above	
Cabinet Loudspeakers	30 Watts (Mandatory)	6
	CE Certification	
	Cabinet Loudspeakers 30W, ABS Enclosure with adjustable mounting Bracket.	
	Water and dust protected IP 65	
	High fidelity music and speech reproduction	
	Selectable 8 Ohm, 70V and 100 inputs	
UHF Handheld Wireless Microphone	CE Certification	2
	Dynamic transducer	
	Unidirectional handheld wireless Microphone	
	On/off switch with remote contact	
	High speech intelligibility	
	Rugged construction	
Gooseneck Condenser Microphone/ Roster Microphone	CE Certification	2
	Unidirectional Condenser microphone	
	Flexible Stem	
	Phantom Powered by amplifier	
	On/off sliding switch with priority contact	

	Fixed 2m cable and lockable DIN Connector	
UHF Wireless Collar Mic with Receiver	CE Certification	2
	UHF Wireless Belt-Pack Transmitters	
	97-193 Selectable UHF Channels	
	PLL Synthesized technology	
	LCD with battery status and frequency indications, Lock Function	
	Approx. 15 Hours Operations on Alkaline batteries	
	With Microphone Receiver 722-746 MHz	
	Pilot tone and noise squelch	
	True diversity for stable reception	
	With Complete Installation and Configuration.	
Rack	Branded Rack to mount & install UPS / Sound equipment.	
Podium	Branded Smart Podium Support Minimum 18 Inch Size Screen Support Mounting 2 Goose Neck Microphones with document tray and Cable routes from bottom to top.	

<b>Civil Work including training</b>	<p>Installation to be performed by principal certified resources, Testing, Commissioning included all type of Civil Work, core electrical wiring (laying from Power room to required location, termination, ducting), Speaker wiring. Power cable used must be as per the standard maintained by PIC-MTI Engineering Dept.</p> <p>Branded Duct / PVC Pipe, including delivery and accessories like sockets, bends, elbows, wall clamps etc, complete in all respects.</p> <p>On-Site staff training from principal, delivery and Traveling, Programming and Handing Over of Complete System. With 01 year onside Support, Warranty, Repair and maintenance.</p>	
<b>Project Completion</b>	Within three weeks after deliver of equipment on site	

LOT 2	<b>Interactive screen for Lecture Halls</b>
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LOTs	Items	Estimated Qty
LOT-2a	65-Inch Interactive Touchscreen Display with Camera	1
	65-Inch Interactive Touchscreen Display	
	Camera	

	Stand & Accessories	
LOT-2b	65-Inch Interactive Touchscreen Display without Camera	2
	65-Inch Interactive Touchscreen Display	
	Stand & Accessories	
LOT-2c	75-Inch Interactive Touchscreen Display with Camera	1
	75-Inch Interactive Touchscreen Display	
	Camera	
	Stand & Accessories	

All items required are provided as turnkey solution which includes installation, configuration, mounting & inclusive of all required software licenses to run the proposed system  
Training of staff on the proposed solution should be included in the proposal

The bidder must be at least Tier-1/OEM Authorized partner of the quoted brand  
The bidder must provide authorization letter verifiable from the principal for the quoted brand.  
The Manufacturer must have CE, ROHS, FCC, ISO 9001 certifications

### **LOT-2a**

<b>65-Inch Interactive Touchscreen LCD Display with Camera</b>
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Item	Description
<b>Panel Size</b>	65" Touchscreen LCD Display
<b>Screen Type</b>	IPS Antiglare Commercial Grade Display
<b>Resolution</b>	4K UHD or Higher
<b>Refresh Rate</b>	60 Hz or Higher
<b>Colors</b>	1 Billion colors or Higher
<b>IR Touch</b>	10 Point Touch & 2 Point Writing or Higher
<b>Touch Accuracy</b>	Minimum 2ms
<b>Response Time</b>	2.7ms or Less
<b>Features</b>	Palm Detection, Pen and touch differentiation, Annotation over any source
<b>Android Processor</b>	ARM Cortex A53 Quad Core Processors or Higher
<b>GPU</b>	MaliG51MP2 or Higher
<b>Flash Storage</b>	64GB EMMC5.1 or Higher
<b>Memory</b>	3GB DDR4 RAM or Higher
<b>Android Version</b>	Android 6.0 Marshmallow or Higher
<b>Input &amp; Output Ports</b>	4x HDMI (2.0), 1x VGA, 1x VGA Audio, 1x 3.5mm Headphone, 1x 3.5mm Microphone Connectivity, 1x DP, 7x USB, 1x TF/SD Card, 1x RS232, 2x RJ45, 1x Wi-Fi (2.4Ghz +5Ghz) or Higher
<b>OPS Processor</b>	6 <sup>th</sup> Gen Intel Core i5 Processor or higher

<b>Memory</b>	8GB DDR4 SODIMM RAM or higher
<b>Storage</b>	250 GB SSD Drive or higher
<b>Connectivity</b>	Gigabit Ethernet & 802.11a/b/g/n Wireless Connectivity
<b>Operating System</b>	Free DOS
<b>Keyboard</b>	Full Size Wireless Keyboard with Touch Pad, Range 30 Feet or Higher
<b>OPS Input &amp; Output Ports</b>	4x USB 3.0, 2x USB 2.0, 1x HDMI, 1x Display Port, 1x VGA, 1x Mic, 1x Earphone, 1x RS232 or Higher
<b>Software</b>	<p><b>Cloud Services:</b> video conferencing with screen sharing, recording, translation/transcription, centralized screen control, emergency notification, firmware upgrades, Instant Swapping, easy remote desktop control &amp; sharing or Higher</p> <p><b>Applications:</b> Interactive whiteboard and annotation software, perpetual license, E-Share, multi-device screen share &amp; streaming, Writing software, Centralized Screen Navigation, Access to All Apps via Google Play Store, Google Chrome, YouTube &amp; Media Player or Higher</p> <p>Compatible with Zoom, MS Teams, GoTo Meetings, WebEx</p>
<b>Warranty</b>	2 Years Warranty on-site

<b>Camera</b>	
<b>Camera</b>	12X Optical Zoom or Higher 16X Digital Zoom or Higher Built-in Mic with 16 Feet Range or Higher Progressive Scanning Mode or Higher Full HD 1080p Resolution or Higher Pan Tilt Zoom or Higher Compatible with Proposed Interactive Screen
<b>Warranty</b>	2 Years warranty on-site

<b>Stand &amp; Accessories</b>	
<b>Mounting Kit</b>	Wall Mounting Kit, flush wall mount provided with accessories
<b>Trolley</b>	Branded height adjustable mobile stand trolley to support 65Inch to 75Inch LED Screen + Camera.
<b>Accessories</b>	Remote Control, 2x Stylus, 1x Extendable Pen, Omnidirectional Speakerphone

LOT-2b

65-Inch Interactive Touchscreen LCD Display Without Camera	
Item	Description
Panel Size	65" Touchscreen LCD Display
Screen Type	IPS Antiglare Commercial Grade Display
Resolution	4K UHD or Higher
Refresh Rate	60 Hz or Higher
Colors	1 Billion colors or Higher
IR Touch	10 Point Touch & 2 Point Writing or Higher
Touch Accuracy	Minimum 2ms
Response Time	2.7ms or Less
Features	Palm Detection, Pen and touch differentiation, Annotation over any source
Android Processor	ARM Cortex A53 Quad Core Processors or Higher
GPU	MaliG51MP2 or Higher
Flash Storage	64GB EMMC5.1 or Higher
Memory	3GB DDR4 RAM or Higher
Android Version	Android 6.0 Marshmallow or Higher
Input & Output Ports	4x HDMI (2.0), 1x VGA, 1x VGA Audio, 1x 3.5mm Headphone, 1x 3.5mm Microphone Connectivity, 1x DP, 7x USB, 1x TF/SD Card, 1x RS232, 2x RJ45, 1x Wi-Fi (2.4Ghz +5Ghz) or Higher
OPS Processor	6 <sup>th</sup> Gen Intel Core i5 Processor or higher
Memory	8GB DDR4 SODIMM RAM or Higher
Storage	250 GB SSD Drive or Higher
Connectivity	Gigabit Ethernet & 802.11a/b/g/n Wireless Connectivity
Operating System	Free DOS
Keyboard	Full Size Wireless Keyboard with Touch Pad, Range 30 Feet or Higher
OPS Input & Output Ports	4x USB 3.0, 2x USB 2.0, 1x HDMI, 1x Display Port, 1x VGA, 1x Mic, 1x Earphone, 1x RS232 or Higher
Software	<p><b>Cloud Services:</b> video conferencing with screen sharing, recording, translation/transcription, centralized screen control, emergency notification, firmware upgrades, Instant Swapping, easy remote desktop control &amp; sharing or Higher</p> <p><b>Applications:</b> Interactive whiteboard and annotation software, perpetual license, E-Share, multi-device screen share &amp; streaming, Writing software, Centralized Screen Navigation, Access to All Apps via Google Play Store, Google Chrome, YouTube &amp; Media Player or Higher</p>

	Compatible with Zoom, MS Teams, GoTo Meetings, WebEx
<b>Warranty</b>	2 Year Panel & Speakerphone Warranty

<b>Stand &amp; Accessories</b>	
<b>Mounting Kit</b>	Wall Mounting Kit, flush wall mount provided with accessories
<b>Trolley</b>	Branded height adjustable mobile stand trolley to support 65Inch to 75Inch LED Screen + Camera.
<b>Accessories</b>	Remote Control, 2x Stylus, 1x Extendable Pen, Omnidirectional Speakerphone

## LOT-2c

<b>75-Inch Interactive Touchscreen LCD Display with Camera</b>	
<b>Item</b>	<b>Description</b>
<b>Panel Size</b>	75" Touchscreen LCD Display or Higher
<b>Screen Type</b>	IPS Antiglare Commercial Grade Display or Higher
<b>Resolution</b>	4K UHD - 3840(H) × 2160 (V) or Higher
<b>Refresh Rate</b>	60 Hz or Higher
<b>Colors</b>	1.07Billion colors or Higher
<b>IR Touch</b>	20 Point Touch & 6 Point Writing or Higher
<b>Touch Accuracy</b>	2ms or Higher
<b>Response Time</b>	2.5ms or Less
<b>Features</b>	Palm Detection, Pen and touch differentiation, Annotation over any source or Higher
<b>Android Processor</b>	ARM Cortex A53 Quad Core Processors or Higher
<b>GPU</b>	MaliG51MP2 or Higher
<b>Flash Storage</b>	64GB EMMC5.1 or Higher
<b>Memory</b>	3GB DDR4 RAM or Higher
<b>Android Version</b>	Android 6.0 Marshmallow or Higher
<b>Input &amp; Output Ports</b>	4x HDMI (2.0), 1x VGA, 1x VGA Audio, 1x 3.5mm Headphone, 1x 3.5mm Microphone Connectivity, 1x DP, 7x USB, 1x TF/SD Card, 1x RS232, 2x RJ45, 1x Wi-Fi (2.4Ghz +5Ghz) or Higher
<b>OPS Processor</b>	6 <sup>th</sup> Gen Intel Core i5 Processor or higher
<b>Memory</b>	8GB DDR4 SODIMM RAM or Higher
<b>Storage</b>	256GB SSD Drive or Higher
<b>Connectivity</b>	Gigabit Ethernet & 802.11a/b/g/n Wireless Connectivity
<b>Operating System</b>	Preloaded Microsoft Windows 10 Professional

<b>Keyboard</b>	Full Size Wireless Keyboard with Touch Pad with 32 Feet Range or Higher
<b>OPS Input &amp; Output Ports</b>	4x USB 3.0, 2x USB 2.0, 1x HDMI, 1x Display Port, 1x VGA, 1x Mic, 1x Earphone, 1x RS232 or Higher
<b>Software</b>	<p><b>Cloud Services:</b> video conferencing with screen sharing, recording, translation/transcription, centralized screen control, emergency notification, firmware upgrades, Instant Swapping, easy remote desktop control &amp; sharing or Higher</p> <p><b>Applications:</b> Interactive whiteboard and annotation software, perpetual license, E-Share, multi-device screen share &amp; streaming, Writing software, Centralized Screen Navigation, Access to All Apps via Google Play Store, Google Chrome, YouTube &amp; Media Player or Higher</p> <p>Compatible with Zoom, MS Teams, GoTo Meetings, WebEx</p>
<b>Warranty</b>	2 Year Panel Warranty on-site
<b>Camera</b>	
<b>Camera</b>	12X Optical Zoom or Higher 16X Digital Zoom or Higher Built-in Mic with 16 Feet Range or Higher Progressive Scanning Mode or Higher Full HD 1080p Resolution or Higher Pan Tilt Zoom or Higher Compatible with Proposed Interactive Screen
<b>Warranty</b>	2 Year Camera on-site
<b>Stand &amp; Accessories</b>	
<b>Mounting Kit</b>	Wall Mounting Kit, flush wall mount provided with accessories
<b>Trolley</b>	Branded height adjustable mobile stand trolley to support 65Inch to 75Inch LED Screen + Camera.
<b>Accessories</b>	Remote Control, 2x Stylus, 1x Extendable Pen, Omnidirectional Speakerphone



LOT 3	Video Conferencing Solution
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LOTs	Items	Estimated Qty
LOT-3	Video Conferencing Solution	
	Video Conferencing Solution With Online meeting support	1

### LOT-3

#### Video Conferencing Solution

<ul style="list-style-type: none"> <li>The bidder must be Tier-2 /OEM Authorization for quoted brand</li> <li>The proposed system must support PAL with a PTZ camera. The codec must be based on ITU standards The VC End Point should be a codec based hardware.</li> <li>No software based solution is accepted here.</li> <li>All components of the VC system like Codec, Camera and Microphone should be from the same OEM.</li> <li>All required software licenses included</li> <li>All quoted items should be compatible with PTA guidelines for Video Conferencing Solution.</li> <li>PTA Approved equipment should be quoted</li> </ul>		
Description	Specification Parameter	
Solution	<ul style="list-style-type: none"> <li>Full HD 1080p camera, codec, Microphone Array, cables, and remote control</li> <li>Capable of integrating 2 PTZ cameras to form one stream for far end, to cover the Hall Room without manual intervention</li> </ul>	
Camera	<ul style="list-style-type: none"> <li>Support 1080p30fps or higher with 1 camera of 10x or higher optical zoom.</li> <li>Support PAN Range of +/-100°, and Tilt of +/-30°</li> </ul>	
Standards for Communication	<ul style="list-style-type: none"> <li>Support H.323, SIP, H.261, H.263, H.264 AVC/ SVC, H.264</li> <li>Support 1080p 30 fps or higher</li> </ul>	
Content Standards and Resolutions	<ul style="list-style-type: none"> <li>Support content sharing using standard based H.239 and BFCP over SIP.</li> <li>Support audio from PC used for content sharing.</li> </ul>	

	<ul style="list-style-type: none"> <li>- Transmit both people and content both simultaneously to the far end location at 1080p 30fps</li> </ul>	
Audio Standards and Features	<ul style="list-style-type: none"> <li>- Support G.711, G.728, G.729A, G.722, G.722.1, AAC-LD or higher</li> <li>- Crystal clear audio and stereo sound.</li> <li>- Keyboard noise reduction and instant adaptation echo cancellation</li> <li>- Automatic Noise Suppression</li> </ul>	
Other Standards	<ul style="list-style-type: none"> <li>- H.224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.243, H.460</li> <li>- Supports ZOOM, BlueJeans and Go to Meeting Video Calls on H.323 without involving any PC</li> <li>- Connector License included for ZOOM &amp; Microsoft Teams meetings.</li> <li>- Auto sensing power supply</li> </ul>	
Video and Audio Inputs	<ul style="list-style-type: none"> <li>- 1 x HD input for connecting main HD camera</li> <li>- 1 x HD input for connecting secondary HD camera</li> <li>- 1 x HDMI input for connecting PC/Laptop to share HD content</li> <li>- 1 x HDMI/Component for connecting VCR/DVD player</li> <li>- 2 x Microphone Input (Support for minimum 4 mics)</li> <li>- 2 x RCA line-in</li> </ul>	
Video and Audio Outputs	<ul style="list-style-type: none"> <li>- 2 x HDMI output for connecting main monitor &amp; second monitor.</li> <li>- 1 x HD output for connecting additional monitor or DVD recorder.</li> <li>- 1 x RCA pair stereo line-out</li> <li>- 2 x Camera streams can transport as a single camera to far end</li> </ul>	
Network Features	<ul style="list-style-type: none"> <li>- H.323 and SIP bandwidth up to 6 Mbps</li> <li>- IPv4 and IPv6 support from day one</li> <li>- IP Precedence</li> <li>- H.323 based Packet Lost Recovery</li> </ul>	
Other Interfaces	<ul style="list-style-type: none"> <li>- 2 x 1Gbps LAN port</li> <li>- 2 x USB 3.0</li> </ul>	
Security	<ul style="list-style-type: none"> <li>- Media Encryption (H.323, SIP): AES-128, AES-256</li> <li>- Support local recording of an encrypted call</li> <li>- Authenticated access to admin menus, web interface and telnet API</li> <li>- Local account password policy configuration</li> </ul>	
Trolley/Mounting Kit	<ul style="list-style-type: none"> <li>- Imported good quality Trolley for mounting 43 to 65 inch LED along with Camera Mounting Stand</li> </ul>	
Warranty	<ul style="list-style-type: none"> <li>- 2 Years On-Site warranty</li> <li>- 2 Years support &amp; maintenance</li> <li>- 2 Years Software connector license</li> </ul>	

## 8. EVALUATION CRITERIA

The bids / proposals will be evaluated on the basis of advertisement, bid solicitation documents and the point system as specified below.

A proposal shall be rejected during the technical evaluation if the bid does not fulfill the minimum specified requirements OR if it fails to achieve the minimum score as indicated in the below mentioned table. Relevant certificates / documents must be attached.

S #	Parameters	Sub-parameters	Marks
1	Product Specification		25
		Fully compliance with the required specifications as per statement of Requirement (Up to a maximum of four Minor deviations may be accommodated subject to the condition that main function and performance in any aspect would not affect. However, up to four marks will be deducted	
	Special features	Additional features of the product if it enhances the Performance of equipment in required Field or Additional Software Provided Free of cost	1
2	Legal Requirement		4
		Sales Tax Registration Certificate	Mandatory
		NTN Registration Certificate	Mandatory
		Manufacture Authorization	Mandatory
		Most recent Sales Tax Return from FBR	1
		Income Tax Returns of last three years	3
3	Relevant Experience		10
	Experience in Quoted item	Satisfactory Performance report of project completed. (Should be provided on letter head) Max 4 performance certificate (2.5 marks each)	10
4	Warranty		4
		Additional warranty for 1 year.	4
5	Supplier's office for maintenance and 24/7 support		3
		Availability of workshop in Peshawar to be verified with Ownership / Rent Agreement with Owner / Rent Agreement with Company Name.	2
		Availability of workshop at National level to be verified with Ownership / Rent Agreement with Owner/ Rent Agreement with Company Name.	1
6	Technical Staff/Training		5

		The bidder will provide the training on the supplied equipment. (Should be on the letter head of organization)	<b>2</b>
	Degrees Should be attached	Graduate Engineers.	2
		Diploma Engineer	1
	<b>Product Certification</b>		<b>6</b>
	Valid Certificates	EC declaration of conformity	3
		ISO 9001	3
<b>7</b>	<b>Financial Capabilities</b>		<b>12</b>
	<b>Turnover in Millions Audit Report Should be attached</b>	i. 1-10 million	6
		ii. 11-15 millions	12
	Total Marks		<b>70</b>
	Qualifying Marks		<b>49</b>

Total Marks in Technical Criteria: **70**

**Financial Criteria (30 Marks):**

S #	Parameters	Sub-Parameters	Total Marks: 30
	<b>Price</b>		<b>30</b>
		<p>Lowest Price will get full marks.</p> <p>The formula to calculate the marks for the price submitted is:</p> <p><math display="block">\frac{[\text{Lowest Price (Fm)} / \text{Price of Bid under consideration (F)}] \times 100 \times 0.30}{1}</math></p>	30

**Total Marks (Technical Criteria + Financial Criteria): 100**

Financial bids of only technically responsive bidders will be opened publicly at the time to be announced by the Procuring Agency. The Financial Bids of technically disqualified bidders will be returned un-opened to the respective Bidders. After getting the financial score from the remaining 30 marks, the two scores will be combined to identify the best evaluated bid.

Merit Point Evaluation Methodology: Contract will be awarded to the best evaluated responsive bid which gets the maximum marks and becomes the highest ranking in the Combined Evaluation calculated through the Merit Point Average Methodology which puts greater emphasis on non-price factors like stringent global certifications on Conformance Specifications (i.e., meeting the required technical specifications), Performance Specifications (i.e., meeting the requirements the product is

designed for) leading to customer satisfaction verification, certifications of the technical staff, provision of maintenance & services and post-warranty services etc.

After Pre Bid

## **9. BLACKLISTMENT OF DEFAULTED BIDDER/CONTRACTOR**

### **Conditions for Blacklistment of Defaulted Bidder/Contractor under rule 44 of KPPRA Rules 2014**

The following are the events which would lead to initiate (Rule 44 of KPPRA Rules 2014) blacklisting/debarment process;

- a. Consistent failure to provide satisfactory performances.
- b. Found involved in corrupt/fraudulent practices.
- c. Abandoned the place of work permanently

### **Conditions for debarment of Defaulted Bidder/Contractor**

- I. Failure or refusal to;
- II. Accept Purchases Order / Services order terms;
- III. Make supplies as per specifications agreed;
- IV. Fulfill contractual obligations as per contract
- V. Non execution of work as per terms & condition of contract.
- VI. Any unethical or unlawful professional or business behavior detrimental to good conduct and integrity of the public procurement process.
- VII. Persistent and intentional violation of important conditions of contract.
- VIII. Non-adherence to quality specifications despite being importunately pointed out.
- IX. Security consideration of the State i.e., any action that jeopardizes the security of the State or good repute of the Peshawar Institute of Cardiology Peshawar.

### **Procedure for blacklistment and debarment**

- 1. Competent authority of Peshawar Institute of Cardiology may on information, or on its own motion, issue show cause notice to the bidder.
- 2. The show because notice shall contain the statement of allegation against the Bidder.
- 3. The bidder will be given maximum of seven days to submit the written reply of the show cause notice.
- 4. In case the bidder fails to submit written reply within the requisite time, the competent authority may proceed forth with ex-parte against the bidder.
- 5. Direct to issue notice of personal hearing to the bidder/ authorized representative of the bidder and the competent authority shall decide the matter on the basis of available record and personal hearing, if availed.
- 6. The competent authority shall decide the matter within thirty days from the initiation of proceedings.
- 7. The order of competent authority shall be communicated to the bidder by indicating reasons.
- 8. The duration of debarment may vary up to five years depending upon the nature of violation.

## **10. REDRESSING OF GRIEVANCES**

- a. The purchaser shall constitute a committee comprising of disagreed & notified by the competent authority proper powers and authorizations to address the complaints of bidders that may occur prior to the entry into force of the procurement contract.
- b. Any bidder feeling aggrieved by any act of the purchaser after the submission of his bid may lodge a written complaint concerning his grievances not later than 03 days after the announcement of the bid evaluation report.
- c. The grievance redressed Officer shall investigate and decide upon the complaint within 06 days of the receipt of the complaint. The report along with decision shall be forwarded to the purchaser officer within the prescribed period.
- d. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.
- e. Note: Grievance notified & designated who can invite appropriate official as co-opted member for grievance.

## **11. AWARD OF CONTRACT:**

Contracts shall be confirmed through a written agreement signed by the successful bidder and the PIC Peshawar.

## **12. PAYMENT:**

- a. No advance payment will be permissible.
- b. The payment will be made within 60 days after successful supply, installation/inspection/test run of all requisite items, upon submission of invoice.