

THE UNIVERSITY OF AGRICULTURESWAT, PAKISTAN



TENDER NOTICE

University of Agriculture Swat invites Sealed Bids from the firms registered with Income Tax, Sales Tax Departments, KPPRA and Pakistan Engineering Council (PEC) Registration (only for Sound system) for **Purchase and Installation of IT Equipment (Laptop Computers, LEDs, Photocopier Machine and Digital Discussion Audio/Video Conference System with Voice Tracking Camera,)** under “single stage-two envelope procedure”. Tender document which include detail of items, specifications and terms & conditions can be downloaded from the University website (www.uoas.edu.pk) or KPPRA website (www.kppra.gov.pk) / EPADS. All the bids prepared in accordance with the instructions in the bidding documents must be submitted electronically via E-PADS (<https://kp.eprocure.gov.pk>). Manual submission of bids will not be accepted. Sealed original bid security at the rate of **2% and tender cost (Stationary charges) of Rs. 5,000/ (Non-refundable)** in favour of Treasurer, to be deposited in account **No.PK42KHYB 5203003004012339**, should be submitted to the office of the undersigned **Physically** or by **Post/Courier** on or before **07.11.2025 by 11:00 AM**. The bids will be opened on the same day on EPAD at **02:00 PM** at the University Main Store, in the presence of bidders or their authorized representatives. All the required documents shall be scanned and uploaded along with the bid on E-PADS. Valid Online Warranty and Dealership Certificate from original manufacturer is mandatory.

PRE-BID MEETING WILL BE HELD ON 30-10-2025 AT 12:00 PM

Store Officer
The University of Agriculture Swat.
(Phone Number 0946-811888)
Email: pc@uoas.edu.pk

The University of Agriculture Swat

TENDER DOCUMENTS

SINGAL STAGE, TWO ENVELOPE PROCEDURE (Technical & Financial Proposals)



**TENDER NO.01/2025-26 PURCHASE AND INSTALLATION OF IT EQUIPMENTS
(LAPTOP COMPUTERS, LEDS, PHOTOCOPIER MACHINE AND DIGITAL
DISCUSSION AUDIO/VIDEO CONFERENCE SYSTEM WITH VOICE TRACKING
CAMERA) FOR UoAS**

TENDER OPENING DATE: NOVEMBER 07, 2025, AT 2:00 PM

PRE-BID MEETING DATE: OCTOBER 30, 2025 AT 12:00 PM

DEADLINE FOR BID SUBMISSION DATE: NOVEMBER 07, 2025, TIME: 11:00 AM

Check list		
S. No	Attach Mandatory Documents	P / O
	Non-Fulfillment of Mandatory Criteria shall lead to disqualification.	
1	Tender documents with all attachments are enclosed in technical bid	
2	Tender documents are signed and stamped.	
3	Non-black listed certificate has been enclosed in technical bid	
4	An affidavit that CDR has been enclosed in financial bid.	
5	NTN certificate has been enclosed in technical bid	
6	KPPRA Registration Certificate has been enclosed (in case of Services)	
7	Pakistan Engineering Council (PEC) Registration for Soud system	
8	Tender Fee Rs. 5000/- (Non-Refundable)	
9	Two Years warranty certificate	
10	Manufacturer Authorization/Distribution Certificate from Principal for Purchase of Laptops	

PURCHASE AND INSTALLATION OF IT EQUIPMENTS (LAPTOP COMPUTERS, LEDS, PHOTOCOPIER MACHINE AND DIGITAL DISCUSSION AUDIO/VIDEO CONFERENCE SYSTEM WITH VOICE TRACKING CAMERA)

Single-Stage, Two Envelope Procedure (Technical and Financial Proposals)

1. General

- a. Any bid without earnest money will not be accepted.
- b. The proposal must be typed in English.
- c. The proposals must contain a cover letter on the bidder's letterhead, duly stamped by authorized representative.
- d. The envelope(s) should contain the name address and contact details of the addressee and the addressors.
- e. Cutting/corrections or overwriting in the quoted price (s) will not be accepted.
- f. By hand / conditional / incomplete bid will not be accepted.
- g. Any addition/deletion/modification of any clause of these conditions/bidding documents is not acceptable and leads to rejection of the bid.
- h. By submitting the bid, the bidder/vendor/firm declares to abide by and bound by the conditions laid down in the advertisement together with those mentioned in this bidding document.
- i. The prices quoted must be valid for at least 180 days from the date of tender opening. However, the University may, under exceptional circumstances, request for extension in bid validity which shall be for not more than the period equal to the period of the original bid validity.
- j. The bidders must submit the proposals to EPADS.
- k. Telephonic/telexed/faxed/telegraphic quotations will not be entertained.
- l. Bid received after closing date/time will not be entertained.
- m. In case of closed/forced holidays, tender opening time/date will be considered as the next working day.
- n. Advance payment is not allowed at any stage and shall not be asked for.
- o. The firm/vendor will be liable to provide Tax Invoice in case of imported Goods, if/when UoAS demanded to provide.
- p. The bids should be in accordance with enclosed specifications/technical detail.
- q. The bid documents must carry the authorized signatures of the representative of the supplier on each page.
- r. The bidder shall submit the original tender documents completed in all respects as per instructions mentioned and keep a copy of the tender for his own record.
- s. The bidder can submit bid for the whole package or item wise.
- t. The bidder shall submit an affidavit that his firm/ company has not been blacklisted.
- u. The items must be **brand new and complete** in all respects with original packaging of manufacturers and strictly conforming with the specifications given.
- v. Online expired warranty for the required equipment will not be accepted.
- w. No bids in any case shall be accepted after the deadline.

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- x. The University may reject one or all such bids, which are vague (in terms of financial proposal) or do not adhere to these instructions, or under section 47 of KPPRA rules the procurement authority reserves the right to accept or reject any or all bid(s)
 - y. The University may offer for re-bidding in case the proposal does not satisfy its professional requirements.
 - z. The University Procurement Committee reserves the right to call demonstration at any stage. (if required)
 - aa. Tender number, tender title, date and time of its opening shall be clearly written on the face of envelope.
 - bb. Quality of quoted items/material/equipment must be according to prescribed specifications.
 - cc. The firm bidder shall clearly provide the proof of Registration for GST and NTN on their printed letterheads.
 - dd. Valid NTN/STRN/KPPRA Certificates. The firm must be on the ATL list of FBR.
 - ee. Valid Registration Certificate of PEC for the Sound System (Digital Discussion Audio/Video Conference System with Voice Tracking Camera)
 - ff. Certificate to the effect that the Firm/Bidder never been blacklisted by any Government/Semi Government Organization/Agency/autonomous body/private sector organization anywhere in Pakistan (submission of undertaking on legal stamp paper).
 - gg. An agreement will be signed on legal stamp paper between the contractor and UoAS.
 - hh. These tender documents shall be the essence of the contract.

2. Scope of Supply

- a) The University of Agriculture Swat (hereinafter referred to as UoAS) invites requests/proposals for Purchase of IT equipment's as mentioned.
- b) The successful bidder shall supply the items as per prescribed specifications approved by University Procurement Committee (hereinafter referred to as UPC).
- c) The successful bidder shall supply the items based on "FREE ON DELIVERY" to be delivered to the store at UoAS and all costs will be borne by the bidder.

3. Bid Price

- (1) The bidder shall specify, required items as per specification, their unit price, and total bid price in his offer.
- (2) The quoted prices shall be:
 - a. Best/final/fixed and valid until completion of all obligation under the contract i.e. not subject to variation/escalation etc.
 - b. In Pak Rupees.
 - c. All Inclusive.
 - d. Where no prices are entered against any item (s), the price of that item shall be deemed free of cost, and no separate payment shall be made for that item(s).

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- (3) In case of locally produced goods and services, the price shall include sales and all other taxes (whichever applicable).
 - (4) In case of contract of imported goods and services, import duties, sales and other taxes (whichever applicable), already paid shall be shown separately (if/when required by UoAS).
 - (5) Taxes levied by the Government (if any), shall be deducted from the bidder as per rules.

4. Earnest Money/Bid Security

The bidder firm/vendor shall furnish the bid security (Earnest Money) as under:

- a. 02% (Two Percent) of the total bid price.
- b. No bid will be accepted without earnest money.
- c. Denominated in Pakistani Rupees.
- d. Must be attached with financial proposal, failing which will cause rejection of bid.
- e. In the form of Call Deposit Receipt (CDR) in the name of "Treasurer-UoAS".
- f. The earnest money will be released after the successful supply subject to the satisfactory report by the concerned technical/inspection committee.
- g. The Earnest Money will be returned on written request to the unsuccessful bidders.

The bid security shall be forfeited by UoAS, on the occurrence of any/all of following conditions.

- a. If the bidding firm/vendor withdraws the bid during the period of tender/bid validity.
- b. If the bidding firm/vendor does not accept the corrections of his total tender/bidding price.
- c. If the bidding firm/vendor, having been notified of the acceptance of the tender by UoAS during the period of bid/tender validity, fails or refuses to furnish the Performance Guarantee, in accordance with the tender document.
- d. If the firm fails to supply the awarded items mentioned in supply order within stipulated time.

5. Bid/Tender Validity

The bid shall have a minimum validity period of sixty (180) days from the date of opening of bids. The UoAS may solicit the bidding firm/vendor's consent to an extension of the validity period of the bid. The request and the response there to shall be made in writing. If the bidding firm/vendor agrees to permit extension for validity period of the tender, the validity period of the bid security shall also be suitable extended. The bidding firm/vendor may refuse extension of validity period of the bid validity, without forfeiting the bid security.

6. Signing of Bids

The bidding firm/vendor must sign and stamp all pages of the tender documents.

7. Rejection/Acceptance of the Bids

The UoAS shall have the right to reject any or all bids or proposals at any time prior to the acceptance of a bid or proposal. The authority shall upon request communicate to any bidder, the grounds for its rejection of all bids or proposals but shall not be required to justify those grounds.

The tender/bids shall be rejected if:

- a. The offered items/services do not meet the technical specifications of required items/services.
- b. The bidder submits incomplete/partial/conditional/alternative/late documents.

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- c. Bid security/Earnest Money is not submitted or found less than 2% as required.
 - d. Interlineations/cuttings/corrections/erasures/overwriting is made in the bid.
 - e. The bidding firm/vendor refuses to accept corrected Total Tender Price.
 - f. The bidding firm/vendor tries to influence the tender evaluation/contract award by unsolicited advice/clarifications and any personal approach at any stage of the tender.
 - g. The bidding firm/vendor engages in corrupt or fraudulent practices in competing for the contract award.
 - h. The bidding firm/vendor fails to meet all the requirement of tender eligibility/qualification criteria.
 - i. The bidding firm/vendor has been blacklisted by any public or private sector organization.
 - j. The bidding firm/vendor has been served any legal notices or displeasure letters by any public sector organization on serious failures to provide satisfactory services.
 - k. The bidding firm/vendor has mentioned any financial implications in the financial proposal that is in contradiction to this document and Government rules and regulations.
 - l. There is any discrepancy between bidding documents and bidder's proposal, i.e. any non-conformity or inconsistency or informality or irregularity in the submitted bid.
 - m. The bidding firm/vendor submit any financial conditions as part of its bid which are not in conformity with tender document.
 - n. Non-submission of verifiable proof against the mandatory as well as general documentary, qualification and eligibility related requirements.
 - o. If the rates quoted by vendor are not workable or on higher side etc.
 - p. Not providing Sample (if required/mentioned in tender documents).
 - q. Not performing demonstration (if required/mentioned in tender documents).

8. Award Criteria

- a. At first step, eligible bidding firm/vendor fulfilling the initial qualification criteria shall be asked for demonstration or providing samples (if required/mentioned in tender documents) for technical evaluation phase.
- b. At second step, technically qualified and successful bidding firm/vendor will be evaluated in the light of all pre-conditions, necessary requisites and shall be selected on lowest cost quoted as per rules and fulfilling all codal formalities.

9. Variation

UoAS shall have the right, at his exclusive discretion, to increase/decrease the quantity/quality/form of any or all item(s)/Equipments without any change in unit prices or other terms and conditions, at the time of order placement. UoAS reserves the right to remove any item/Equipments executed which are not accordance with the tender/item/equipments specification or to order contractor to provide according to tender/item/equipments specification. In case of non-compliance by the contractor, UoAS shall remove such items/equipments and will be re-executed through other arrangements at the sole risk, cost, and responsibility of the contractor.

10. Delivery of Equipments/items

The contractor shall make delivery of the items within stipulated time mentioned in the supply order. A penalty of 0.5% of total cost of order can be imposed per day for up to 10 days for delay on the part of contractor. A penalty of 1.0% of total cost will be imposed for delays beyond 10 days. The delivery of items shall be made at UoAS or as specified by UoAS at the time of delivery. No separate payment shall be made in this regard.

11. Guarantee/Warranty

- a. The bidder shall provide at least Two years valid warranty as well as online warranty, for the required IT equipment's, in addition to total warranty period.

The contractor shall warrant UoAS that the goods supplied under the contract are genuine, brand new, non-refurbished, unaltered in any way, of the most recent or as per specification, imported through proper channel, and incorporate all recent improvements in design and materials, unless provided otherwise in the contract.

- b. The contractor shall further warrant that the goods/Equipments supplied, under the contract shall have no defect, arising from design, materials, and workmanship.
- c. The contractor shall provide manufacturer's warranty (as per manufacturer's policy) or as described with item specification after the issue of taking-over certificate.
- d. The contractor shall provide warranty for free/on site repair/replacement of defective/damaged parts, after intimation by UoAS.
- e. The contractor shall clearly mention Terms and Conditions of service agreement for the Items/Equipments supplied. In case of international warranties, the local authorized dealers shall mention their service and warranty setup.
- f. The warranty period shall start from the date of installation/configuration/delivery of the goods at UoAS.
- g. The UoAS shall, by written notice served on the contractor, indicate any claim(s) arising under the warranty.
- h. The contractor shall, within the prescribed time period, after receiving such notice, repair or replace the defective/damaged items/equipments or parts on site, without any cost to the purchaser.

12. Taxes/Duties/Levies

- a. The contractor shall be entirely responsible for all taxes, duties and other such levies imposed make inquiries on income tax/sales tax/KPPRA to the concerned authorities of income tax and sales tax department, Government of Pakistan as well KPPRA of the Government of Khyber Pakhtunkhwa.
- b. All government taxes shall be deducted at source (if applicable) according to the relevant rules.

13. Inspection and Testing

- a. The UoAS shall inspect and test the Items/Equipments supplied, to verify their conformity to the technical specifications.
- b. The inspection and tests shall be conducted at the premises of the UoAS. In case of conducted at the premises of the contractor, the contractor shall provide all-reasonable facilities and assistance,

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- including production data and online verification from official web site of the manufacturer to the inspectors, at no charge to the UoAS.
- c. The UoAS may reject any Item(s)/Equipment(s) if the committee/inspector/investigator confirm the failure of technical specification, in any test(s) or inspection(s) and the contractor shall either replace the rejected Items/Equipments or make all arrangements necessary to meet the technical specifications, within prescribed time/duration, free of cost to the UoAS.
 - d. The UoAS's post-delivery right to inspect, test and, where necessary, reject the Items/Equipments shall in no way be limited or waived by reason of pre-delivery inspection, testing or passing of the Items/Equipments.
 - e. Nothing contained in this document shall, in any way, release the contractor from any warranty or other obligations under the contract.

14. Responsibility Against Damages/Ownership of Goods

- a. The contractor shall be responsible for whole/any damage caused to the Items/Equipments by accident/improper handling/loading un-loading, before handed over to/taking charge by UoAS. The contractor shall replace the same.
- b. The contractor shall, by written notice served to UoAS, apply for Taking-over certificate.
- c. The UoAS shall, after the receipt of contractor's application, either issue the Taking-over Certificate to the contractor or reject the application giving the reasons and specifying the work required to be done by the contractor to enable the Taking-Over Certificate to be issued.
- d. Nothing contained in this document shall, in any way, release the contractor from any warranty or other obligations under the contract.

15. Payment

- a. Payment shall not be made in advance and against partial deliveries.
- b. The contractor shall provide all necessary and supporting documents along with invoice(s).
- c. The contractor shall apply for payment to the UoAS. The application for payment shall be accompanied by such invoices, receipts or other documentary evidence as the UoAS may require; state the amount claimed; and set forth in detail, in the order of price schedule, particulars of the Items/Equipments supplied up to the date of application for payment.
- d. The UoAS shall verify the details of goods delivered. Payment shall be made on complete delivery of goods after issuance of satisfactory certificate by the technical/Inspection committee concerned.
- e. The UoAS shall pay the ninety percent (90%) amount verified and ten percent (10%) amount of the total contract will be kept as performance guarantee for two year.
- f. UoAS shall make payment for the goods supplied to the contractor as per Government policy, in Pak Rupees through crossed cheque.
- g. All payments shall be subject to any and all taxes, duties and levies applicable under the laws of Pakistan for the whole period starting from issuance of Supply Order till delivery of the goods.

16. Supply Period

- a. The UoAS shall purchase the Items/Equipments within valid period of the tender.

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- b. The successful bidding firm/vendor shall be responsible to deliver Items/Equipments within due time as given in Supply Order/Tender Document.

- c. **Transportation/Freight Charges**

All transportation/Freight charges shall be borne by the vendor/supplier and UoAS shall not pay any such charges separately.

17. Dispute resolution

The Purchaser and the Contractor shall make every effort to amicably resolve, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the Contract. The contractor shall in writing report to the competent authority who shall refer it, to Tender Redressed Grievance Committee (TRGC) for further processes as per rules. The decision of (TGRC) shall be final and binding.

18. Force Majeure

“Force Majeure” means an event which is beyond the reasonable control of a party and which makes a party’s performance of its obligations under the Purchase Order/ Work Order/ Contract impossible or so impractical as to be considered impossible under the circumstances, and includes, but is not limited to, War, Riots, Storm, Flood or other industrial actions (except where such strikes, lockouts or other industrial issues are within the power of the party invoking Force Majeure), confiscation or any other action by Government agencies. In all disputes between the parties as to matters arising pursuant to this Purchase Order/ Work Order/ Contract, the dispute will be dealt with as per section 35 of the KPPRA Act 2012.

19. Firm Evaluation Criteria

Criteria for bid evaluation.

Qualification of Bidders shall be evaluated based on the below-mentioned criteria. Bidders must secure at least **60%** score in addition to fulfillment of mandatory requirements shall qualify for further competition.

The University reserves the right to waive minor deviations, if they do not materially affect the capability of the Bidder to perform the Contract.

TECHNICAL EVALUATION CRITERIA

The evaluation will be based on the comparison specification/ model/ makes and expiry. The University reserves the right to choose the specification/ models/ makes at its discretion.

Sr.#	Technical Evaluation Criteria	(Millions Rs)	Points	Remarks
1	Worth (PKR) of projects/supply of similar Nature (Completed) with Government / Semi Government in last 05years (Max Points 15)	3-5	02 points per project/supply up to max 06	Bidder(s) are required to attaché Work completion certificate and supply order clearly mentioning the amount
		Above 5	03 points per project/supply up to max 09	
2	Worth (PKR) of projects/supply of similar nature in hand with Government / Semi Government in last 05 years (Max Points 15)	3-5	02 points per project/supply up to max 06	Bidder(s) are required to attach award letters / work order clearly mentioning the amount of projects in hand
		Above 5	3 points per project/supply up to max 09	
3	After sale Services Availability, post warranty maintenances services including provision of spare parts / software etc. (Max Points 16)		16	Certificate must be provided by the firm on their letter head signed and stamp
4	Extra Warranty Period in addition to minimum warranty period of two years offered by the bidder(s) Three marks for each additional year. (Max Points 09)		09	Certificate must be provided by the firm on their letter head signed and stamp
6	Training & Installation: - Software configuration 05 Marks - Training to optimally operate the equipment. 06 Marks - Training of operating system 04 Marks		15	Assurance certificate must be provided by the firm on their letter head
6	Delivery and Installation within 20 days		10	Affidavit must be provided
7	Presentation of technical bid(s) and profile etc.		08	
8	Special Feature (s) NOT mentioned by the End User's, provided by the firm which enhances the feature and function (s) of the product (s) (Max Points 12)		12	Brochure etc. must be attached.

TOTAL TECHNICAL EVALUATION MARKS = 100 TECHNICAL EVALUATION PASSING MARKS = 60

Note: Financial Bid(s) of Technical qualified bidder(s) will only be opened. The bidder(s) who declared as non-responsive or obtained less **than 60 marks** in technical bid will be declared as non-responsive. Financial Bid of non-responsive Bidder(s) will not be opened and will be returned to the bidder concerned.

Agreement Deed

The Successful bidder(s), hereinafter referred to as contractor, shall sign this agreement.

The parties to this agreement deed i.e. The University of Agriculture Swat (Party –I) and Firm Name M/S ----- (Party – II) hereby agreed as under:

1. Party II shall supply the items against supply Order No _____ dated _____ as per quoted specifications within _____.
2. Party II shall be responsible for guarantee /warranty of supplied items up to -----
3. In case of defect in any item the supplier shall repair/replace it free of cost within four weeks; otherwise, the supplier shall return the entire paid amount to University of Agriculture Swat.
4. If any over pricing or low specification is found at any stage, the party – II shall be responsible for recovery/rectification.
5. Party II shall be responsible for transportation charges for supply of items and no separate payment shall be admissible in this regard.
6. No Advance Payment shall be made by party I.
7. 90 % percent payment shall be made to the supplier after inspection of items/Services carried out by Inspection committee constituted by UoAS while the remaining ten (10%) percent of the total amount shall be kept as performance guarantee for one (01) year that shall start from the date of inspection.
8. All applicable taxes /Duties/ levies etc shall be deducted as per University/FBR rules from the claimed bills of Party II.
9. All payments shall be in Pak rupees (through cross cheque) by Party I.
10. No partial payment shall be made by Party I.
11. If the firm fails to complete the supply of items as per awarded Supply order the Call Deposit (CDR) of the firm shall be forfeited.
12. Any grievance shall be resolved as per UoAS Financial Rules 2020 i.e. Through Tender Grievance Redressal Committee
13. Bidding documents shall serve as essence of this contract agreement.

**Firm Owner /authorized
Representative Signature & Stamp**

**Procurement officer.
The University of Agriculture Swat.**

**Countersigned by Registrar.
The University of Agriculture Swat.**

CNIC No. -----

Witness 1

Name -----

F/N -----

CNIC -----

Signature -----

Witness 2

Name -----

F/N -----

CNIC -----

Signature -----

Detail Specifications

S.#	Name of Equipment	Specifications	Qty
1	Laptop	Processor: Intel® Core i5 14th generation or higher. Display screen: 16 inch 16.10 FHD antiglare 300 nit NTSC, 6 Bit + FRC Memory: 8 GB 5200 MT/s Desk Drive: 512 GB SSD Camera: FHD +IR HDR Camera 1080p HDR Video, Temporary Noise Reduction. Speakers: Minimum 2x 2wSpeaker, Microphone: 2x2W noise cancellation Microphone with intelligent input audio Power Battery: Minimum 3 cell 45 Wh li-ion express charger Power adaptor: Preferably 65W adapter, USB Type C. Lid closed sensor (half effect sensor) Carry bag: similar brand carrying bag. Warranty: 3 Year OEM Warranty With verifiable OEM Manufacturer issued Authorization Letter.	60
2	LED Screen	1. Display Size: - Minimum 65 inches (diagonal) 2. Display Type: - LED-backlit LCD (UHD 4K) display - Resolution: 3840 × 2160 (4K UHD) - Panel Type: IPS or VA (anti-glare, wide viewing angle ≥178°) 3. Brightness and Contrast: - Brightness: ≥ 400 nits - Contrast ratio: ≥ 1,200:1 4. Refresh Rate: - Minimum 60 Hz	05

		5. Connectivity Options: - HDMI (x3 minimum) - USB (x2 minimum) - VGA (optional) - Audio out (3.5mm or optical) - LAN (RJ-45) and Wi-Fi support (for smart TVs) 6. Smart Features: - Android OS (v9.0 or above) or equivalent smart system - Built-in Wi-Fi and screen mirroring / casting support (Miracast / Chromecast) - Pre-installed apps: YouTube, Web browser, etc. - Support for USB playback (video, audio, images) 7. Audio: - Built-in stereo speakers - Minimum 20W total output (2 × 10W) - Support for Dolby Audio preferred 8. Mounting & Accessories: - Wall-mount bracket (VESA compatible) included - Remote control, batteries, and HDMI cable included 9. Power & Safety: - Power Supply: 100–240V AC, 50/60 Hz - Power consumption: ≤ 200W - Energy-efficient (Energy Star certified preferred) 10. Warranty & Support: - Minimum 3 years warranty - On-site service support included 11. Optional (Recommended): - Touchscreen / Interactive panel (if budget allows) - Built-in OPS PC slot or USB-C port for modern laptops.	
3	Photocopier Machine Heavy Duty	General Specifications Print Speed: Up to 50 pages per minute (ppm) and above. Print Resolution: 1200 x 1200 dpi	01

		Display: 10.1-inch color touchscreen Max Monthly Volume: 1,000,000 pages Paper Capacity: Standard 3,650 sheets, up to 6,650 sheets with optional trays Scan Speed: Up to 240 ipm (Black & White/Color) First Copy Time: 3.6 seconds Dimensions: 48.5" x 26.4" x 32.3" (H x W x D) Weight: 440 lbs Printing and Copying Paper Sizes: Supports sizes up to 12" x 18" (full bleed on 13"x19") Paper Weights: 52–300 gsm Automatic Duplexing: Yes, for sizes up to 12" x 18" Finishing: Optional stapling, hole-punching, booklet making, and various fold types Functions: Includes chapter, cover and page insertion, poster mode, and job setting memory Scanning and Connectivity Scan Destinations: Scan-to-Email, Scan-to-SMB, Scan-to-FTP, Scan-to-Box, Scan-to-USB, Scan-to-WebDAV, and more File Formats: JPEG, TIFF, PDF, XPS, PPTX, DOCX, and XLSX (with optional OCR) Interface: Ethernet (10/100/1000), USB 2.0, optional Wi-Fi Protocols: TCP/IP (IPv4/IPv6), SMB, LPD, IPP, SNMP, HTTP Optional Features Fax: Super G3 Fax (optional) Authentication: Biometric or ID card reader Finisher: Optional finishing units for various output needs Connectivity: Wi-Fi 802.11 b/g (optional)	
4.	DIGITAL DISCUSSION AUDIO VIDEO CONFERENCE SYSTEM WITH VOICE TRACKING CAMERA.		
	Item	Specifications	Qty
4.1	Central Control Unit	- Wired conference system should have built in camera tracking technology - Fully digital central control unit and conference system. - Built in recording unit with recording option on USB, SD card &	01

		internal memory • Anti-Cell Phone & anti-feedback Interference Technology. • Feedback Suppression Technology • Support 80 delegate units. • Control all the conference functions by navigation keyboard on front panel • 2.8 Inch LCD with navigation keypad for parameter control function. • Built-in input/out volume adjustment. • Built-in 8X8 video matrix switcher, it can manage multipath video signs easily. • 6 channels output ports, which can connect 80pc units. • Audio Input: RCA × 2 2V p-p, 6.3mm × 1 – 50dB XLR × 1 – 50dB • Audio Output: RCA × 2 2V p-p XLR × 1 – 50dB • Frequency Respond: 20~20KHz • Output impedance: 47KΩ • Control Port: RS 232, RS 485 • Dynamic range: 106dB • Total Harmonic Distortion: < 0.05% • Band width of video -3dB: 30MHz • Video output impedance: 75Ω • Channel separation 102dB. • Built-in input/out volume adjustment. • Built-in 8X8 video matrix switcher, it can manage multipath video signs easily. • Built-in 8X4 overall view video switching, time and order can setup freely. • System can support 80 pcs chairman units simultaneously and appoint one as executive chairman. • 6 channels output ports, which can connect 180pcs units • Working with extension controller, the whole system can be extended to 4094pcs units. • Monitoring earphone jack on front panel. • MIC management modes: Limited mode: 1~6pcs units can be opened simultaneously FIFO mode: the last opened MIC covers the first opened MIC. Apply mode: executive chairman can approve or reject the speaking. Voice activating mode	
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		Free discussion mode: allow all the units to be opened simultaneously	
4.2	Chairman Unit	- Built in Chairman Priority button to switch off all active delegate microphones. - Delegate units with built in volume controllable speaker. - Active microphone speaker automatically mutes to cancel feedback. - Built in goose neck microphone with RING led to indicate power on off status. 2 * headphone sockets. - Digital circuit which enables to cancel out all unwanted noise and disturbance from Mobile phones and other wireless devices. - Individual Unit ID selection from Central control unit. - Frequency response: 18-20 KHz. - Microphone type: Capacitive. - Sensitivity: -47dB - SNR 90dB - Dynamic range: 92dB 16" Touch Screen for Chairman.	01
4.3	Delegate Units	- Delegate units with built in volume controllable speaker. - Active microphone speaker automatically mutes to cancel feedback. - Built in goose neck microphone with RING led to indicate power on off status. 2 * headphone sockets. - Digital circuit which enables to cancel out all unwanted noise and disturbance from Mobile phones and other wireless devices. - Individual Unit ID selection from Central control unit. - Frequency response: 18-20Khz - Microphone type: Capacitive. - Sensitivity: -47dB - SNR 90dB - Dynamic range: 92dB	20
4.4	Mixer Amplifier	120W Digital Mixer Amplifier with MP3/TUNER/Bluetooth (Phone Jack Mic Input), 1 EMC input, 2 AUX input, 4 MIC input (Unbalanced), Channel priority function EMC>MIC1>MIC2, MIC3, AUX1, AUX2, Bass: ± 10 dB at 100Hz, Treble: ± 10 dB at 10KHz, THD: $< 0.5\%$ (at 1KHz, 1/3 rated power), Overheat protection, overcurrent protection, short circuit protection, $\sim 220-240V/50Hz$.	01
4.5	Column Speakers	5"+1.5" Two way wall mount speaker, 3.75W-7.5W-15W30W@100V+8ohm, Transformer Impedance: 2.6K Ω /1.3K Ω /670 Ω /330 Ω /165 Ω , Input: 70V/100V/8 Ω , SPL (1W/1M): 92dB, Max. SPL (Rated W/1M): 107dB, Frequency Response (-10dB): 125-18KHzABS body, metal grille, metal bracket, white.	02
4.6	UHF Wireless Microphone Set	<u>UHF Wireless Microphone Set</u> Each set has 1x Reciver, 1xCollar Mic ,1 x Handheld Mic Modulation mode: FM one lavalier and one handheld mic, Intermediate frequency 110MHz, 10.7MHz, Antenna access BNC/50 Ω , sensitivity 12dB μ V, Max output level +10dBV, Power Supply Mode DC 12~18V 500mA input	01 Set
4.7	Video Conferencing Camera	- Camera (Microsoft Zoom Certified) 36X Total Zoom (12x Optical Zoon) - Sony Super or equitant low light 8M Pixel Sensor, Clear and natural Imaging in low light conditions, providing ultra FHD image quality. - Pan: $\pm 170^\circ$ - Tilt: $+90^\circ$ (up) -30° (down)	01

		• Smart Frame for automatic FOV adjustment to fit all participants • Field of view(D/H/V): 80.5°/72.8°/44.1° • Lens focal length: 3.9 mm (wide) ~ 46.8 mm (tele) • Lens F#: 1.6 (wide) ~ 2.8 (tele) • Mirror, flip, white balance: Auto/manual override vi • Minimum focus distance: 1m • 10 camera presets (via remote control) • <u>Speakerphone</u> • Echo cancellation • Advanced noise suppression • Dual-omnidirectional microphone • 3.5 mm phone-in jack • 3.5 mm line out • Speaker: 6W, Adjustable to 90dB SPL at 0.5 m • Touch controls for volume down/up, mute, phone input, call, hang-up • Bridge phone-in and USB into one call • Security: Kensington slot • <u>Video Format</u> • YUV, YUY2, MJPEG • Network video compression format: H.264 • Network protocol: RTSP, RTMP • <u>Connectivity</u> • 12V/5A power adaptor • Mini DIN9 for RS232 in & out connection (VISCA control panel and camera daisy-chain) • USB 3.1 Type-B connector • IP (RJ45) • HDMI out • <u>Control</u> • IR remote control • VISCA/Pelco-P/Pelco-D via RS232 (128 preset points via VISCA command) • Remote side: VISCA over IP, IP (RJ45) • UVC/UAC plug-and-play • WebUI: Browser IP access via Chrome • <u>Audio Format</u> • AAC-LC • Network protocol: RTSP, RTMP	
4.8	Interactive Screen.	• Screen Size: 86-Inch Diagonal Touch. • Resolution: 3840 x 2160 4K UHD. • Brightness: 400cd/m². • Display Colors: 1.07 billion Colors (10bit). • Viewing Angle: 178° (H/V). • Surface Protection: Level 7 MoHS Anti-Glare & Anti- Fingerprint. • Built-in Speakers: 2x 15 Watt. • 2x Stylus Pen with anti-bacterial coating, 1x Remote Control, • Built-in 8GB RAM, 128GB ROM, Android 14. • Built-in 48MP AI Camera and 8-Array Microphone. • Built-in OPS PC Core i5 13 Generation, 8GB RAM 512GB SSD. • Touch Points Android 30, Windows 40. • Windows 11 pre-installed. • VESA Standard: 800 x 600 Flush wall mount.	01

4.9	Installation	Delivery, Installation, Commissioning, Testing, and Training of System.	01 Job
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PRICE BID FORMAT

Sr. #	Name of Equipment	QTY	Unit Price including taxes in Rs.	Total Price including taxes in Rs.
1.	Laptop	60		
2.	LED Screen	05		
3.	Photocopier Machine Heavy Duty	01		
4.	Digital Discussion Audio Video Conference System With Voice Tracking Camera	As per specifications		