کنگ ایڈورڈ میڈیکل یونیورسٹی، لاہور

TENDER NOTICE

کنگ ایڈورڈ میڈیکل یونیورسٹی کو درج ذیل اشیاء کی خریداری برائے مالی سال 27-2026 کے لئے تیار کنندگان، درآمد کنندگان، اور مجاز تقسیم کنندگان سے سربمہر ٹینڈرز مطلوب ہیں۔

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نوٹ:

☆ بڈ PPRA کے متعلقہ آن لائن پلیٹ فارم پر جمع کروانا لازمی ہے، جمع نہ کروانے کی صورت میں بڈ منسلک کردی جائے گی۔

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IPL-11781

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Senior Purchase Officer

End User

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کنگ ایڈورڈ میڈیکل یونیورسٹی لاہور۔

KING EDWARD MEDICAL UNIVERSITY, LAHORE

BIDDING DOCUMENTS

PROCUREMENT OF VIRTUAL DISSECTION TABLE/3D ANATOMY TABLES FOR ANATOMY & HISTOLOGY DEPARTMENT, KING EDWARD MEDICAL UNIVERSITY, LAHORE.

UNDER PPRA RULES 2014, SINGLE STAGE TWO ENVELOPS 38 (2)a

FINANCIAL YEAR 2026-2027

VICE CHANCELLOR
KING EDWARD MEDICAL UNIVERSITY,
LAHORE

کنگ ایڈورڈ میڈیکل یونیورسٹی، لاہور

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Senior Purchase Officer

End User

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کنگ ایڈورڈ میڈیکل یونیورسٹی لاہور۔

TABLE OF CONTENTS

- 1. Invitation to Bid
- 2. Instructions to Bidders
- 3. Terms and Conditions of Tender
- 3.3 Eligibility and mandatory knockout criteria
- 3.4 Technical evaluation and demonstration
- 4. Special Conditions of Contract
- 5. General Conditions of Contract
- 6. Bid Data Sheet
- 7. Annexures A–I

APPLICABILITY OF PROCUREMENT RULES

All procurement procedures shall be conducted in accordance with the Punjab Procurement Regulatory Authority Act, 2009, Punjab Procurement Rules, 2014, as amended, applicable regulations and other relevant laws. The version in force on the advertisement date shall govern.

1. INVITATION TO BID

1.1 Applicable rules

Punjab Procurement Rules, 2014, as amended up to the date of advertisement, shall govern this procurement.

1.2 Advertisement

The Invitation to Bid shall be advertised through the PPRA website and Punjab e-Procurement System and any additional medium required by applicable rules.

1.3 Procurement method

The proposed method is Open Competitive Bidding – Single Stage, Two Envelope, under the applicable provision of Rule 38, subject to confirmation by the Procurement Office before advertisement.

1.4 Procedure

1. The electronic bid shall comprise separate Technical and Financial Proposals.
2. The Technical Proposal shall be opened first; the Financial Proposal shall remain unopened until technical evaluation is completed.
3. Technical proposals shall be evaluated against disclosed eligibility, mandatory technical, and demonstration and scoring criteria without reference to price.
4. Clarifications shall be sought only as permitted by applicable rules and shall not change the substance of the bid.

5. Financial proposals of technically qualified bidders shall be opened publicly at a date/time notified in advance.
6. Financial proposals of technically non-responsive bidders shall remain unopened and be dealt with under the applicable rules/grievance process.
7. Award shall be made to the lowest evaluated responsive bidder among technically qualified bidders, subject to the disclosed method and applicable rules.

2. INSTRUCTIONS TO BIDDERS (ITB)

2.1 Bidding details

Submission deadline, bid opening, validity, securities, delivery period and contact details are stated in the Bid Data Sheet. Bidders shall rely on the latest notice/addendum on the Punjab e-Procurement System. Contact: Senior Purchase Officer, KEMU, Lahore. All queries shall be made in writing through the prescribed channel.

2.2 Source of funds

The procurement shall be financed from the applicable University budget/grant allocation, subject to availability and financial rules.

2.3 Eligible bidders

Eligible bidders include legally registered OEMs, manufacturers, authorized agents, distributors, dealers and suppliers capable of supplying, installing and supporting the complete system. Bidders shall disclose conflict of interest and shall not be debarred/blacklisted to the extent such debarment applies.

2.4 Eligible goods and services

All goods shall be genuine, new, unused and fit for the intended educational purpose. Country of origin shall be declared. No arbitrary geographical restriction is imposed; goods from all eligible countries may be offered subject to applicable laws.

2.5 Cost of bid

All costs of bid preparation, submission, demonstration and presentation shall be borne by the bidder.

2.6 One person, one bid

A bidder shall submit only one bid in the same procurement process, individually or as a member of a JV/consortium, as provided by applicable rules. Participation as subcontractor in another bid shall be governed by the rules.

2.7 Examination of documents

Bidders shall examine all instructions, forms, specifications and conditions. Failure to submit required information or a substantially responsive proposal shall be at the bidder's risk. Applicable law shall prevail in case of conflict.

2.8 Clarification

Requests for clarification shall be submitted in writing through the e-procurement portal within the period stated in the Bid Data Sheet. KEMU shall issue written responses and circulate clarifications as required.

2.9 Amendment

KEMU may amend the bidding documents before the deadline in accordance with applicable rules. Addenda shall be notified through the prescribed portal and the deadline extended where required.

2.10 Evidence of conformity

The bidder shall submit OEM brochures, model-specific datasheets, software module lists, license statement, compliance matrix, warranty, installation and training plans. Brand/model references are descriptive and do not restrict equivalent or superior solutions unless a justified compatibility requirement is expressly approved. No chemical/reagent samples are required; the offered system shall be demonstrated when called.

3. TERMS AND CONDITIONS OF THE TENDER

3.1 Definitions

Term	Meaning
Procuring Agency	King Edward Medical University, Lahore.
End User	Department of Anatomy & Histology, KEMU.
Bidder	A legally eligible firm/company submitting a bid.
Contractor	Successful bidder awarded the contract.
Goods/System	Complete Virtual Dissection / 3D Anatomy Table, hardware, software, licenses, accessories and displays.
Services	Transportation, insurance, installation, assembly, integration, commissioning, training, documentation and warranty support.
Day	Calendar day unless expressly stated otherwise.
Acceptance	Written certification after satisfactory delivery, installation, commissioning, testing and handover.

3.2 Notices

Notices, approvals, certificates and instructions shall be in writing and served through the e-procurement portal, official email, courier or other notified channel.

3.3 Eligibility and mandatory knockout criteria

The following requirements shall be evaluated on Pass/Fail basis. Failure of a material mandatory requirement shall render the bid non-responsive, subject to clarification provisions of applicable rules. The committee shall record evidence and reasons.

EVALUATION CRITERIA

(KNOCKED DOWN CRITERIA)

Sr. #	Evaluation Parameters	Documentary Evidence Required	Status
1	Valid Registration with FBR and Active Taxpayer List (Income Tax).	NTN & ATL status	Mandatory
2	Active Registration with Punjab Revenue Authority (PRA).	PRA Registration Certificate	Mandatory
3	Valid CNIC of Proprietor/Partners/Directors.	Copy of CNIC	Mandatory
4	Affidavit on Judicial Stamp Paper stating that the firm has never been blacklisted by Procuring Agency in last three years.	Original Affidavit	Mandatory
5	Submission of Bid Security electronically through the Punjab e-Procurement System.	Submission through PSID	Mandatory
6	Properly signed Bid Form, Price Schedule and all required documents.	Original Documents	Mandatory
7	Acceptance of all terms & conditions of the bidding documents without any reservation.	Signed Acceptance Certificate	Mandatory
8	Satisfactory performance certificate in case of previous experience with KEMU.	Original Documents	Mandatory
9	The bidder must attach a **valid authorization** to supply the quoted goods, in one of the following forms: (a) a **Letter of Authorization from the manufacturer** (the principal), **or** (b) a **letter from the principal's authorized importer or distributor in Pakistan**, together with a copy of that importer's own authorization from the principal, **or** (c) for a **manufacturer bidding for its own products**, a manufacturer's certificate in place of (a) and (b). The authorization must: (i) be addressed to King Edward Medical University, Lahore.	Original Documents	Mandatory

3.4 Technical evaluation and demonstration

The technical proposals shall be evaluated in accordance with the criteria and requirements specified in the bidding documents under the Single Stage–Two Envelope Bidding Procedure. The evaluation shall include preliminary examination, eligibility requirements and detailed assessment of technical specifications to determine the responsiveness of each bid. Only technically responsive bidders shall qualify for opening of their financial proposals.

Sr.	Technical evaluation Area	Marks
1	Interactive table hardware and display	15
2	Anatomy and educational software	25
3	Digital cadaver and dissection module	15
4	Overhead imaging and projection system	15
5	Software licensing and institutional access	10
6	Installation, training and after-sales support	10
7	Comparable installations and performance	10
	TOTAL	100

Proposed qualifying threshold: 85/100, in addition to passing every mandatory knockout criterion. Weighted scoring shall be used only if approved by the competent authority and consistent with the selected procurement method. If not approved, technical compliance shall be Pass/Fail and only responsive bidders shall proceed to financial evaluation.

3.4.1 Detailed scoring rubric

Area	Sub-criteria
Hardware/display (15)	Display quality beyond minimum (3); touch responsiveness (3); ergonomic movement/height (3); computing/GPU performance beyond minimum (3); structural quality, safety and cable management (3).
Anatomy software (25)	Gross/regional anatomy (5); histology/embryology (4); pathology (4); CT/MRI/X-ray/angiography (4); physiology/functional anatomy (3); segmentation/annotation/scene customization (3); assessment tools (2).
Digital dissection (15)	Scenario breadth beyond 30 (4); sequential layer dissection (4); anatomical realism (3); relationship to cadaver teaching (2); interactive teaching (2).
Imaging/projection (15)	Camera quality (3); zoom/focus/exposure (3); mounting stability (3); live transmission/synchronization (3); foot switch/remote (3).
Licensing (10)	License coverage/ownership (3); account management (2); offline access (2); admin portal/analytics (2); updates (1).

Installation/support (10)	Installation plan (2); training (3); Pakistan support (2); maintenance/response (2); spare parts (1).
Experience (10)	Comparable installations in medical/health-sciences institutions in Pakistan or abroad (6); completion/performance evidence (4).

Note:-

- Only references from Government Medical Colleges in Punjab will be considered.
- Letter of authorization from the distributor/Dealer must be attached.
- Approval of Technical Evaluation Subject to Demonstration of the Quoted Item by the End User.

3.4.2 Mandatory demonstration protocol

1. Power-on and verify offered model/configuration.
2. Demonstrate 4K touch display and 20-point multi-touch.
3. Demonstrate motorized tilt 0°–90° and height adjustment.
4. Open and manipulate full-body and regional 3D anatomy.
5. Perform layer-by-layer virtual dissection and structure isolation.
6. Demonstrate histology, embryology, pathology and radiology.
7. Verify catalogue of at least 40 pathology cases and 30 dissection scenarios.
8. Demonstrate annotation, labelling, scene creation/save/retrieval.
9. Demonstrate user accounts and institutional administration.
10. Disconnect internet and verify essential offline functions.
11. Operate overhead camera, optical zoom, focus/exposure and foot switch/remote.
12. Display camera output on the table and both auxiliary displays.
13. Demonstrate UPS/backup and safe shutdown.
14. Verify ports, mounts, cables, accessories and hardware configuration.

Demonstration shall use the actual offered model or an identical model with the same hardware, software, configuration and license scope. Notice and arrangements shall be equal for all bidders. Failure to demonstrate a mandatory feature or material mismatch shall be recorded and dealt with under the responsiveness provisions.

3.5 Late bids

Bids received after the portal deadline shall be treated in accordance with the portal and applicable procurement rules.

3.6 Submission

Bids shall be submitted electronically using the registered bidder account. Technical and Financial Proposals shall be separate. The Technical Proposal shall contain no price information.

3.7 Taxes and duties

The bidder shall identify applicable taxes. The quoted package price shall include taxes, duties, freight, insurance, transportation, unloading, installation, mounting, and integration, commissioning, training and incidental costs. Statutory deductions shall be made under applicable law.

3.8 Bid price

Prices shall be fixed and quoted in Pak Rupees for the complete package. A component-wise breakdown shall be provided for transparency but shall not permit partial award. No optional/alternative offer shall be accepted unless expressly requested.

3.9 Currency conversion

If foreign currency bids are permitted, conversion shall be made in accordance with applicable rules and the source/date stated in the Bid Data Sheet. Otherwise, bids shall be in Pak Rupees.

3.10 Bid security

Bid security shall be Rs. 306,800/- (2% of estimated cost), submitted electronically. Validity, return and forfeiture shall be governed by applicable rules and the Bid Data Sheet.

3.11 Bid validity

Bid validity shall be 180 days from bid opening, or as approved and stated in the Bid Data Sheet. Extension shall be sought and processed in writing under applicable rules.

3.12 Modification/withdrawal

Modification or withdrawal before the deadline shall be made through the portal. Withdrawal after the deadline shall be dealt with under applicable rules.

3.13 Opening

Technical proposals shall be opened as specified in the Bid Data Sheet. Financial proposals shall remain unopened until technical evaluation. Opening minutes shall be prepared and disclosed as required.

3.14 Confidentiality

Evaluation information shall remain confidential until disclosure is required by applicable rules. Improper influence may result in rejection and further legal action.

3.15 Clarification

Clarifications shall be sought in writing where permitted and shall not change price, technical substance, model, scope, eligibility or ranking except as allowed by law.

3.16 Responsiveness

A substantially responsive bid shall meet eligibility, mandatory technical specifications and material terms, include bid security, offer the complete system and provide required evidence. Material deviations affecting scope, quality, licensing, warranty, price or securities render a bid non-responsive.

3.17 Rejection/disqualification

Bids may be rejected for late submission, material non-responsiveness, conditional/incomplete offer, price disclosure in technical proposal, false documents, conflict of interest, corrupt/collusive practice, failure of mandatory criteria or failure to meet approved score threshold.

3.18 Technical/financial evaluation

Only bidders passing all mandatory criteria and, if scoring is adopted, obtaining at least 75/100 shall proceed to financial evaluation. Financial proposals shall be checked for arithmetic correctness, taxes and completeness.

3.19 Award

Award shall be for the complete integrated system as one package to the lowest evaluated responsive bidder among technically qualified bidders, subject to competent authority approval and applicable rules.

3.20 Acceptance and purchase order

Acceptance Letter, performance security, contract execution and purchase order shall be issued in accordance with the applicable rules and the periods stated in the Bid Data Sheet.

3.21 Grievance redressal

A grievance redressal committee shall be constituted and complaints shall be processed within the periods and through the mechanism prescribed by applicable rules.

3.22 Language

Bid and contract documents shall be in English or Urdu. Accurate translation of other-language supporting material shall be the bidder’s responsibility.

3.23 Restarting process

The process may be restarted from a prior stage only where permitted by applicable rules, for recorded reasons and without violating procurement principles.

3.24 Corrupt/fraudulent practices

Bidders and contractors shall observe the highest ethical standards. Corrupt, fraudulent, collusive, coercive or obstructive practices shall be dealt with under applicable law.

CONTRACT AGREEMENT

Contract Title: Procurement, Installation, Commissioning and Training of One Complete Integrated Virtual Dissection / 3D Anatomy Table for the Department of Anatomy & Histology, KEMU, Lahore.
This Agreement is made on ____/____/2026-27 between the Vice Chancellor, King Edward Medical University, Lahore (Procuring Agency) and M/s _____ (Contractor).

RECITALS

KEMU intends to procure the complete integrated Virtual Dissection / 3D Anatomy Table described in the Bidding Documents. The Contractor represents that it has the authorization, technical resources, personnel and capacity to supply and support the system.

15. The Contractor shall supply, install, integrate, commission and hand over the complete system in accordance with the Contract and accepted bid.
16. The Contract Price shall be PKR _____ (Rupees _____ only), inclusive of applicable taxes and incidental costs, subject to statutory deductions.
17. The Contractor shall complete delivery, installation, commissioning and training within the period stated in the SCC.
18. The Contractor shall provide licenses, two-year comprehensive warranty, training, maintenance and support.
19. KEMU shall make payment after satisfactory delivery, commissioning, training, verification and acceptance, in accordance with the Contract.
20. The Contract documents include this Agreement, Acceptance Letter, Bidding Documents, and addenda, accepted Technical Proposal, accepted Financial Proposal, Bid Data Sheet, SCC and GCC. Applicable law shall prevail in case of conflict.

For KEMU	For Contractor
Name: _____	Name: _____
Designation: _____	Designation: _____
CNIC: _____	CNIC: _____
Signature/Seal: _____	Signature/Seal: _____
Date: _____	Date: _____

Witness – First Party	Witness – Second Party
Name/CNIC: _____	Name/CNIC: _____
Address: _____	Address: _____
Signature: _____	Signature: _____

4. SPECIAL CONDITIONS OF CONTRACT (SCC)

4.1 Scope

One complete integrated table, computer/GPU, operating system, anatomy software, all specified modules, overhead camera and control system, two auxiliary displays, UPS/backup, cables, mounts, accessories, installation, integration, commissioning, training, documentation, license and warranty.

4.2 Contract duration

The contract remains effective until delivery, installation, commissioning, training and other obligations are completed. Warranty/support obligations continue for the full warranty period.

4.3 Performance security

The successful bidder shall furnish performance security of 5% of contract price in the form and within the period stated in the Bid Data Sheet and permitted by applicable rules. Release shall be made after satisfactory performance as provided in the Contract.

4.4 Delivery

Complete delivery shall be within 90 calendar days from purchase order/commencement instruction (proposed; confirm before advertisement) at KEMU, Lahore, at the location designated by KEMU.

4.5 Site survey

Within 10 working days of commencement, the Contractor shall survey the site and report electrical, structural, and mounting, space, network and environmental requirements. No extra chargeable work without prior written approval.

4.6 Installation/commissioning

Contractor shall assemble, install, configure and integrate table, computer, software, camera, auxiliary displays, mounts, UPS, cable management, connectivity and all accessories. All labour, tools, lifting, transport and installation costs are included.

4.7 Software license

Lifetime/perpetual institutional license shall be registered to KEMU and cover all quoted modules and at least 200 student and 20 instructor accounts. Bidder shall state whether accounts are registered or concurrent. Essential classroom anatomy/dissection functions shall operate offline. OEM shall confirm duration, users, modules, update policy and exclusions in writing. No recurring subscription or renewal fee shall be payable for promised perpetual functionality. All administrator credentials shall be handed over to KEMU.

4.8 Updates

The bidder shall expressly state the duration and scope of free updates/upgrades, including content updates, security patches, compatibility updates and major-version upgrades. No unspecified upgrade entitlement shall be assumed.

4.9 Camera/displays

Camera shall provide at least 44 MP still-image sensor resolution, native 4K UHD video output, 10× optical zoom, focus/exposure control and stable articulated overhead mounting. Still-image and video resolutions shall be separately verified. Two 40-inch or larger 4K auxiliary displays shall be installed and integrated.

4.10 Training

On-site training shall be provided to faculty, laboratory operators, technical staff and administrators. It shall cover anatomy, dissection, histology, embryology, pathology, radiology, annotation, segmentation, assessment, accounts, offline use, camera controls, troubleshooting and maintenance. Training completion records shall be submitted before acceptance.

4.11 Warranty

Minimum two-year comprehensive warranty from final acceptance/commissioning covering display, touch panel, computer, GPU, RAM, storage, motorized mechanisms, camera, mounts, auxiliary displays, UPS, cables, accessories, software functionality and license support. Repair/replacement, labour, transport and installation shall be free.

4.12 Support service levels

Acknowledge complaint within 24 hours; remote diagnosis within 48 hours; on-site visit where required within 72 hours; target restoration of ordinary breakdown within 5 working days, subject to fault/parts. Contractor shall provide escalation contacts and a workaround/replacement proposal where repair is delayed.

4.13 Preventive maintenance/spares

At least two preventive maintenance visits per year during warranty. Compatible spare parts/accessories shall be supported for at least five years from installation, subject to OEM lifecycle; end-of-life notices shall be notified to KEMU.

4.14 Inspection/acceptance

Acceptance only after complete delivery, physical inspection, configuration verification, installation, software module and scenario demonstration, offline test, license verification, camera/display integration, UPS/safe shutdown test, training and handover documentation. Delivery alone is not acceptance.

4.15 Handover documents

OEM user/service manuals; serial number/configuration list; license certificates and OEM confirmation; warranty certificate; installation/commissioning report; training records; preventive maintenance schedule; cable/interface drawings where applicable; admin credentials; support contacts; final acceptance test report.

4.16 Liquidated damages

For delay attributable to Contractor, and where no extension is granted, liquidated damages may be imposed at 0.067% of value of delayed portion per day up to 10% of contract price, or the rate/cap approved and stated in the BDS, subject to applicable law and due process.

4.17 Extension

Contractor shall promptly notify KEMU in writing of any event likely to delay performance, with evidence. Extension shall be granted only by competent authority in writing under the Contract and applicable rules.

4.18 Payment

No advance payment unless permitted by Government policy and expressly approved. Recommended payment: after complete delivery, installation, commissioning, training, verification and final acceptance, against valid invoice and tax documents, subject to statutory deductions.

4.19 Amendments

No change in model, configuration, software, license, warranty, scope, price or delivery period is effective without written approval and formal amendment in accordance with applicable rules.

4.20 Genuine equipment

Equipment shall be brand new, unused, non-refurbished and match the accepted make/model/configuration. Substitution requires prior written approval and must be legally permissible and technically equivalent or superior.

4.21 Integrity Pact

Successful bidder shall execute the prescribed Integrity Pact where required by the applicable law/threshold. Current prescribed form shall be verified before issue.

4.22 Recommended delivery and acceptance milestones

Milestone	Requirement
Delivery	Within 60 calendar days of purchase order/commencement instruction (proposed).
Site survey	Within 10 working days of commencement.
Installation/commissioning	Within 15 days after complete delivery, subject to site readiness (proposed).
Training	Before final acceptance.
Warranty	Two years from final acceptance/commissioning.
Preventive maintenance	At least two visits per year during warranty.

5. GENERAL CONDITIONS OF CONTRACT (GCC)

5.1 Contract

Successful bidder shall execute the formal contract within the period stated in the BDS after furnishing required performance security.

5.2 Contract costs

Contractor shall bear contract preparation/execution costs and stamp paper charges prescribed by law.

5.3 Confidentiality

Contractor shall keep confidential University documents, specifications, credentials, user data and institutional information and use them only for contract performance.

5.4 Language

Contract and communications shall be in English or Urdu; accurate translation of supporting documents is Contractor's responsibility.

5.5 Standards

Goods and services shall conform to the technical specifications, OEM standards and applicable electrical, safety and information-security requirements.

5.6 Intellectual property

Contractor shall ensure lawful supply/licensing and indemnify KEMU against third-party intellectual property claims arising from Contractor's breach or unauthorized supply.

5.7 Inspection

KEMU may inspect/test at manufacturer's premises, delivery or installation. Inspection does not relieve Contractor of obligations. Nonconforming items shall be repaired/replaced at Contractor's cost.

5.8 Packing/transport

Contractor shall pack, insure, transport and unload to prevent damage. Risk remains with Contractor until delivery and taking-over by KEMU.

5.9 Identification

Components shall bear identifiable make, model and serial numbers. Packing list and serial-number schedule shall accompany delivery.

5.10 Assignment/subcontract

No assignment or material subcontracting without prior written approval. Contractor remains fully responsible.

5.11 Debarment

Any debarment/blacklisting action shall be taken only under the PPRA Act/rules, notice and due process.

5.12 Default termination

For material breach, KEMU may issue written notice specifying default and opportunity to cure where required. If not remedied, KEMU may terminate and exercise remedies under contract/law.

5.13 Convenience termination

Termination for convenience shall be only to the extent permitted by law and contract. Payment, if any, shall be limited to conforming goods/services accepted and lawful verified liabilities.

5.14 Insolvency

If Contractor becomes insolvent/bankrupt, KEMU may act under the Contract and applicable law.

5.15 Force majeure

Force majeure is an event beyond reasonable control preventing performance and not reasonably avoidable. Affected party shall notify, evidence and mitigate. Lack of funds, ordinary supply-chain difficulty, price increase or negligence alone is not force majeure.

5.16 Dispute resolution

Parties shall first seek amicable resolution. Unresolved disputes shall be referred to the dispute-resolution mechanism/jurisdiction specified in the Contract and permitted by law. Legal Office shall vet any arbitration clause.

5.17 Applicable laws

Contract governed by laws of Pakistan and applicable laws of Punjab. Contractor shall comply with all applicable statutory, tax, labour and safety requirements.

5.18 Authorized representatives

Each party shall nominate an authorized representative. Delegation/change shall be in writing and notified to the other party.

5.19 Data security/access

No undisclosed remote-access account shall be created. Remote access requires prior written KEMU authorization. All admin credentials shall be handed over; access shall be disabled when no longer required.

5.20 Electrical/physical safety

Contractor shall ensure earthing, electrical protection, safe motorized movement, cable management and UPS integration. Unsafe installation shall be rectified before commissioning.

5.21 Records/audit

Contractor shall maintain delivery, license, installation, service and warranty records and provide them to KEMU or an authorized auditor when lawfully required.

6. BID DATA SHEET

Reference	Particular	Details
1	Procuring Agency	King Edward Medical University, Lahore
2	End User	Department of Anatomy & Histology
4	Title	Supply, installation, commissioning and training of one integrated Virtual Dissection / 3D Anatomy Table
5	Method	Open Competitive Bidding – Single Stage, Two Envelope 38 2(a)
6	Estimated cost	Rs. 15,340,000/-
7	Bid security	2% = Rs. 306,800/-; electronic through Punjab e-Procurement System
8	Bid validity	180 days from bid opening (confirm before advertisement)
9	Currency	Pak Rupees
10	Submission deadline	25th November, 2026 at 10:00 AM
11	Technical opening	25th November, 2026 at 10:30 AM
13	Delivery	60 calendar days from purchase order/commencement instruction (proposed)
14	Installation/commissioning	Within 15 days after complete delivery, subject to site readiness (proposed)
15	Performance security	5% of contract price (confirm applicable rule/approval)
16	Warranty	Two-year comprehensive from final acceptance/commissioning
17	Technical qualification	Pass all knockout criteria and score at least 75/100 if scoring approved; otherwise Pass/Fail
18	Award basis	Lowest evaluated responsive bid for complete package
19	Delivery location	KEMU, Lahore; exact room/location to be designated
20	Contact	Senior Purchase Officer, KEMU, Lahore

7. ANNEXURES

ANNEXURE-A – UNDERTAKING

To be submitted on legal stamp paper of value prescribed by applicable law.
We, M/s _____, certify that information/documents submitted are true and authentic; no material fact has been concealed; we have examined and accepted the bidding documents without material reservation; we are not blacklisted/debarred in a manner that makes us ineligible; the offered system is genuine, new and non-refurbished; we shall supply the complete system, software, license, installation, training and warranty at the quoted price; and KEMU may verify our documents and references. False/misleading information may result in rejection and action under law.
Date: _____ Authorized Signatory: _____ Designation: _____ Seal: _____

ANNEXURE-B – COVERING LETTER

To:

The Vice Chancellor,
King Edward Medical University,
Lahore

Subject: **Bid for Procurement, Installation, Commissioning and Training of One Complete Integrated Virtual Dissection / 3D Anatomy Table:**

Having examined the Bidding Documents and addenda, we offer to supply, install, commission and support the complete system in conformity with the requirements. Our Technical Proposal contains no price information. Our Financial Proposal includes all hardware, software, licenses, accessories, transportation, installation, commissioning, training, taxes and warranty. We undertake to complete the work within the stipulated period and agree to the stated bid validity.
Authorized Signatory: _____ Name/Designation: _____ Date: _____ Seal: _____

ANNEXURE-C – TECHNICAL SPECIFICATIONS AND COMPLIANCE MATRIX

Sr. #	Item / Specification	Qty.
1.	**VIRTUAL DISSECTION TABLE/3D Anatomy Table** (Interactive Educational Table) ***Atlas License Lifetime*** ***Warranty:*** *2-Year Comprehensive Warranty from authorized Dealers / Distributor.* **Hardware Specifications** **Display Unit** • Interactive touch screen display with options for screen size: 65" • 4K UHD resolution (3840 x 2160) for detailed anatomical visualization • *6mm tempered glass*	01 Nos.

Sr. #	Item / Specification	Qty.
	• Projected Capacitive (PCAP) multi-touch technology • Minimum 6mm tempered glass protection • Motorized tilt adjustment (0° to 90°), supporting both horizontal and vertical orientation • Height adjustment system for ergonomic flexibility • Integrated audio system and UPS (uninterruptible power supply) required • *Access is readily available during the class without the need for internet connectivity through the use of a Crypto Key* • *User Friendly Interface* • *Atlas App for Windows, IOS, Android* • *Connect to Video Screen and Projectors* • *Share Anatomy Scenes with your Students* • *Ideal for Distant Learning* • *Use Atlas Software to prepare lectures at any time & any Place* • *Create Scenes and assess knowledge easily* **HDMI Connectivity:** **Integrated 4-Port HDMI Hub**: Equipped with four HDMI ports directly on the table body, enabling convenient and seamless projection setup **Cable Management & Safety:** **Fully Concealed Wiring**: All cables are securely housed within the unit using a chain cable cover and drag wire carrier system, ensuring maximum safety and a clean, clutter-free appearance. ***Remote Control Features:*** • *Wireless Adjustment System: Effortlessly control the anatomy table's tilt and lift angles from 0° to 90° using a wireless remote.* • ***Power Management**: Wireless remote functionality to turn the LCD display ON or OFF with ease.* • ***Adjustable Display Lighting**: Allows users to set screen brightness to low or high levels for optimal viewing comfort.* • **Integrated Handset Control:** • **Ergonomic Placement**: Handset conveniently located at the upper rear of the LCD, ensuring easy access for instructors. • **Smooth Angle Adjustment**: Enables effortless up-and-down control of the display between 0° and 90° for optimal viewing and interaction. **Computational Core** • Processor: Intel Core i7 12th Gen • Graphics: Dedicated GPU (e.g., MSI NVIDIA RTX 4070Ti Super) with at least 16GB VRAM • Memory: Minimum 32GB RAM (DDR4) • Storage: Combination of SSD (250-500GB) and HDD (1TB)	

Sr. #	Item / Specification	Qty.
	Connectivity • Ports: HDMI (out), DisplayPort, USB 2.0 & 3.0, LAN, Type-C • Wireless: Wi-Fi and Bluetooth support. • Mobility and Cable Management. • Lockable caster wheels for mobility. • Built-in concealed cable management system. **Environmental Compatibility** Should operate under standard room conditions without special temperature / humidity requirements **Software & Functional Specifications** **Operating System** • Compatibility with Windows 10/11 and Android 11 • Software must be fully licensed (non-pirated) **Educational Content** Full-body **Gross anatomy** and **Regional anatomy** across all body systems. **Histology:** High-resolution light microscope tissue images. **Embryology:** Interactive 3D Model of developmental stages. **Pathology:** An extensive archive of 40+ pathology cases offering side-by-side comparative views of normal versus pathological organs at both the gross anatomical and microscopic histology levels. **Radiology:** Develop a comprehensive understanding of CT scans, MRI, and X-rays for accurate clinical evaluation, including angiogram scans presented in a side-by-side comparison. **Functional Anatomy:** Visual analysis of anatomical structures during movement. **Digital Cadaver Lab:** ***(Forensic)*** *How Parallel Demonstration Works* • **Live cadaver dissection:** Students see the real tissue, texture, and anatomical variation. • **Simultaneous digital dissection:** On a screen, the same cut or layer removal is mirrored virtually. • **Step synchronization:** As the scalpel moves through skin, muscle, organ, the software peels away those layers digitally. • **Dual perspective:** Students connect real anatomy with clean, labeled 3D visuals. Must include a minimum of 30 distinct dissection scenarios. For Example: Anterior abdominal wall and cavity, Lumbar region, Anterior and posterior forearm, Axillary and anterior shoulder zones, Subclavian region, Anterior pelvic and pelvic cavities (male and female), Anterior chest and thoracic cavity. **Knowledge Check:** Built-in assessment and training tools. **Scene Saving & Sharing:** **Physiology:** The advanced Physiology feature.	

Sr. #	Item / Specification	Qty.
	Key Features: • Seamlessly save and share custom anatomical scenes across multiple devices for flexible access anytime, anywhere. • **Interactive Knowledge Testing**: Engage with built-in assessments to reinforce anatomical understanding and track learning progress. • **Advanced Segmentation Tools**: Precisely isolate anatomical structures for detailed study and analysis. • **3D Model Drawing**: Annotate and illustrate directly on 3D anatomical models to enhance visualization and communication. • **Preloaded Dental Scenes**: Access a curated library of ready-to-use dentistry scenarios for quick reference and teaching. **Institutional Admin Portal**: Empower educational institutes with a centralized portal for managing users, content, and performance analytics. **User Access and Remote Learning** • Must support offline usage for in-class sessions without internet **Licensing, Training & Support** • ***Atlas – Life time subscription with Table*** • **Application access for 200 students for a year Free of cost.** • **Faculty access for at least 20 instructors for a year Free of cost.** • ***Long life free updates*** **Technical Training Support:** **Comprehensive Training Options:** • To ensure seamless integration and user mastery, the contractor will deliver full-scope technical training via both on-site and remote channels. **Support & Maintenance:** • "Comprehensive technical support and maintenance services designed to guarantee sustained reliability and peace of mind." **Mandatory Integrated Accessories** **State-of-the-Art Anatomy Lab: 4K Overhead Imaging & Display System** 1. 4K UHD 44 MP Overhead Cadaver Camera System o Camera: 4K UHD, 44 MP high-resolution sensor for overhead cadaveric imaging. o Hardware & Mounting: Anti-vibration overhead ceiling/boom mount with precision articulation arm. o Control Accessories: Medical-grade control unit, remote, and hands-free foot switch for focus and zoom. o Resolution: *4K Ultra HD* o Optical Zoom: Minimum 10× magnification o Exposure Control: Automatic and manual modes	

Sr. #	Item / Specification	Qty.
	o White Balance: Automatic and manual adjustment o Lens Angle: Minimum 72° field of view o Image Sensor: At least 44 megapixels o Audio Interface: Type-C digital audio input o USB Output: 1080p/60 fps, 4K/30fps o Direct Projection via HDMI/USB o Zoom Control: Remote-controlled zoom functionality. 2. Auxiliary Projection Displays o Displays: Minimum of two (2) 40"+ 4K LCD displays for real time lab viewing. o Mounting: Multi-angle tilt wall / ceiling mounts. 3. Cabling & Signal Transmission o Cabling: High-speed HDMI cables for uncompressed, zero-latency 4K video transport. **Table Software: Lifetime** **Table Brand:** Imported tables from USA, UK, Europe, Japan, or China are acceptable.	

Bidder shall complete a separate compliance response for each row: Offered make/model and exact specification | Yes/No | brochure/datasheet page reference. Generic statement 'complied' without evidence may be treated as insufficient.

Ref.	Offered make/model and exact specification	Compliance (Y/N)	Evidence/page
A1–F4	Bidder to complete each reference separately.		

ANNEXURE-D – DOCUMENT CHECKLIST

Sr.	Document	Envelope/stage
1	Signed covering letter (Annexure-B)	Technical
2	Undertaking (Annexure-A)	Technical
3	Legal registration/incorporation documents	Technical
4	NTN/ATL and applicable sales tax/PRA evidence	Technical
5	Signatory authorization	Technical
6	OEM authorization/manufacturer certificate	Technical
7	OEM brochures and model-specific datasheets	Technical
8	Completed technical compliance matrix (Annexure-C)	Technical
9	Software module catalogue and license statement	Technical
10	OEM confirmation of perpetual license/user limits	Technical
11	Camera and auxiliary display datasheets	Technical

12	Installation/site survey/commissioning plan	Technical
13	Training plan	Technical
14	Warranty/support/preventive maintenance undertaking	Technical
15	Comparable installation references, if claimed	Technical
16	Financial capacity evidence, only if required in BDS	Technical
17	Electronic bid security evidence	Portal requirement
18	Signed acceptance of bidding documents/addenda, if required	Technical
19	Price Schedule (Annexure-E)	Financial only
20	Integrity Pact (Annexure-F), where applicable	Post-award

ANNEXURE-E – FINANCIAL BID / PRICE SCHEDULE

Quote one complete package price. The component breakdown is for transparency only and shall not permit partial award. No prices shall appear in the Technical Proposal.

Sr.	Description	Quantity /Scope	Inclusive of all Taxes	
			Unit Price PKR	Total PKR

1	Complete interactive 4K Virtual Dissection / 3D Anatomy Table, computer, GPU, RAM, storage, OS and structure. **VIRTUAL DISSECTION TABLE/3D Anatomy Table** (Interactive Educational Table) ***Atlas License Lifetime*** ***Warranty:*** *2-Year Comprehensive Warranty from authorized Dealers / Distributor.* **Hardware Specifications** **Display Unit** • Interactive touch screen display with options for screen size: 65" • 4K UHD resolution (3840 x 2160) for detailed anatomical visualization • *6mm tempered glass* • Projected Capacitive (PCAP) multi-touch technology • Minimum 6mm tempered glass protection • Motorized tilt adjustment (0° to 90°), supporting both horizontal and vertical orientation • Height adjustment system for ergonomic flexibility • Integrated audio system and UPS (uninterruptible power supply) required • *Access is readily available during the class without the need for internet connectivity through the use of a Crypto Key* • *User Friendly Interface* • *Atlas App for Windows, IOS, Android* • *Connect to Video Screen and Projectors* • *Share Anatomy Scenes with your Students* • *Ideal for Distant Learning* • *Use Atlas Software to prepare lectures at any time & any Place* • *Create Scenes and assess knowledge easily* **HDMI Connectivity:** **Integrated 4-Port HDMI Hub**: Equipped with four HDMI ports directly on the table body, enabling convenient and seamless projection setup **Cable Management & Safety:** **Fully Concealed Wiring**: All cables are securely housed within the unit using a chain cable cover and drag wire carrier system, ensuring maximum safety and a clean, clutter-free appearance. ***Remote Control Features:***	01 set		

	• *Wireless Adjustment System: Effortlessly control the anatomy table's tilt and lift angles from 0° to 90° using a wireless remote.* • ***Power Management**: Wireless remote functionality to turn the LCD display ON or OFF with ease.* • ***Adjustable Display Lighting**: Allows users to set screen brightness to low or high levels for optimal viewing comfort.* • **Integrated Handset Control:** • **Ergonomic Placement**: Handset conveniently located at the upper rear of the LCD, ensuring easy access for instructors. • **Smooth Angle Adjustment**: Enables effortless up-and-down control of the display between 0° and 90° for optimal viewing and interaction. **Computational Core** • Processor: Intel Core i7 12th Gen • Graphics: Dedicated GPU (e.g., MSI NVIDIA RTX 4070Ti Super) with at least 16GB VRAM • Memory: Minimum 32GB RAM (DDR4) • Storage: Combination of SSD (250-500GB) and HDD (1TB) **Connectivity** • Ports: HDMI (out), DisplayPort, USB 2.0 & 3.0, LAN, Type-C • Wireless: Wi-Fi and Bluetooth support. • Mobility and Cable Management. • Lockable caster wheels for mobility. • Built-in concealed cable management system. **Environmental Compatibility** Should operate under standard room conditions without special temperature / humidity requirements **Software & Functional Specifications** **Operating System** • Compatibility with Windows 10/11 and Android 11 • Software must be fully licensed (non-pirated) **Educational Content** Full-body **Gross anatomy** and **Regional anatomy** across all body systems. **Histology:** High-resolution light microscope tissue images.			

	Embryology: Interactive 3D Model of developmental stages. **Pathology:** An extensive archive of 40+ pathology cases offering side-by-side comparative views of normal versus pathological organs at both the gross anatomical and microscopic histology levels. **Radiology:** Develop a comprehensive understanding of CT scans, MRI, and X-rays for accurate clinical evaluation, including angiogram scans presented in a side-by-side comparison. **Functional Anatomy:** Visual analysis of anatomical structures during movement. **Digital Cadaver Lab:** ***(Forensic)*** *How Parallel Demonstration Works* • **Live cadaver dissection:** Students see the real tissue, texture, and anatomical variation. • **Simultaneous digital dissection:** On a screen, the same cut or layer removal is mirrored virtually. • **Step synchronization:** As the scalpel moves through skin, muscle, organ, the software peels away those layers digitally. • **Dual perspective:** Students connect real anatomy with clean, labeled 3D visuals. Must include a minimum of 30 distinct dissection scenarios. For Example: Anterior abdominal wall and cavity, Lumbar region, Anterior and posterior forearm, Axillary and anterior shoulder zones, Subclavian region, Anterior pelvic and pelvic cavities (male and female), Anterior chest and thoracic cavity. **Knowledge Check:** Built-in assessment and training tools. **Scene Saving & Sharing:** **Physiology:** The advanced Physiology feature. **Key Features:** • Seamlessly save and share custom anatomical scenes across multiple devices for flexible access anytime, anywhere. • **Interactive Knowledge Testing**: Engage with built-in assessments to reinforce anatomical understanding and track learning progress. • **Advanced Segmentation Tools**: Precisely isolate anatomical structures for detailed study and analysis. • **3D Model Drawing**: Annotate and illustrate directly on 3D anatomical models to enhance visualization and communication.			

	• **Preloaded Dental Scenes**: Access a curated library of ready-to-use dentistry scenarios for quick reference and teaching. **Institutional Admin Portal**: Empower educational institutes with a centralized portal for managing users, content, and performance analytics. **User Access and Remote Learning** • Must support offline usage for in-class sessions without internet **Licensing, Training & Support** • ***Atlas – Life time subscription with Table*** • **Application access for 200 students for a year Free of cost.** • **Faculty access for at least 20 instructors for a year Free of cost.** • ***Long life free updates*** **Technical Training Support:** **Comprehensive Training Options:** • To ensure seamless integration and user mastery, the contractor will deliver full-scope technical training via both on-site and remote channels. **Support & Maintenance:** • "Comprehensive technical support and maintenance services designed to guarantee sustained reliability and peace of mind." **Mandatory Integrated Accessories** **State-of-the-Art Anatomy Lab: 4K Overhead Imaging & Display System** 4. 4K UHD 44 MP Overhead Cadaver Camera System o Camera: 4K UHD, 44 MP high-resolution sensor for overhead cadaveric imaging. o Hardware & Mounting: Anti-vibration overhead ceiling/boom mount with precision articulation arm. o Control Accessories: Medical-grade control unit, remote, and hands-free foot switch for focus and zoom. o Resolution: *4K Ultra HD* o Optical Zoom: Minimum 10× magnification o Exposure Control: Automatic and manual modes			

	o White Balance: Automatic and manual adjustment o Lens Angle: Minimum 72° field of view o Image Sensor: At least 44 megapixels o Audio Interface: Type-C digital audio input o USB Output: 1080p/60 fps, 4K/30fps o Direct Projection via HDMI/USB o Zoom Control: Remote-controlled zoom functionality. 5. Auxiliary Projection Displays o Displays: Minimum of two (2) 40"+ 4K LCD displays for real time lab viewing. o Mounting: Multi-angle tilt wall / ceiling mounts. 6. Cabling & Signal Transmission o Cabling: High-speed HDMI cables for uncompressed, zero-latency 4K video transport. **Table Software: Lifetime** **Table Brand:** Imported tables from USA, UK, Europe, Japan, or China are acceptable.			

Base price: _____ GST/other applicable taxes: _____ Total inclusive price: _____ Amount in words: _____.
We certify that the price includes all items and services necessary for a complete operational system and no additional payment shall be claimed.

ANNEXURE-F – INTEGRITY PACT

To be Submitted by Successful Bidder on Legal Stamp Paper of Rs.300/-)

(For Procurements of 10 Million and Above)

Contract No._____ Dated _____

Contract Value: _____

Contract Title: _____

. ..... [name of Successful Bidder] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Punjab (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Successful Bidder] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Successful Bidder] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Successful Bidder] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Successful Bidder] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Successful Bidder] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Procuring Agency: ……

Name of Successful Bidder: ……

Signature: …… Signature: …… [Seal] [Seal]

ANNEXURE-G – PERFORMANCE BANK GUARANTEE FORMAT

FORMAT OF BANK GUARANTEE

Guarantee No. _____ Executed on ____ Expiry date

Name of Guarantor (Bank) with address: _____ Name of Principal (Contractor) with address:

____ Penal Sum of Security (express in words and figures) ____

_____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the

_____

(hereinafter called the Employer) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Employer, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the Employer's above said Letter of Acceptance for _____(Name of Contract) for the _____(Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of this bidding document, Defects after Taking Over, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in

writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably, unconditionally and independently guarantee to pay to the Employer without delay upon the Employer's first written demand without cavil or arguments and without requiring the Employer to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Employer's designated Bank & Account Number.

PROVIDED ALSO THAT the Employer shall be the sole and final judge for deciding whether the principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Employer forthwith and without any reference to the principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

_____

Guarantor (Bank)

Witness:

1. Title _____ _____

   Name _____

   Corporate Secretary (Seal) Signature _____

2. Title _____ _____

   Name _____

   Corporate Guarantor (Seal) Signature _____

ANNEXURE-H – BIDDER CERTIFICATES

1. Price/tax inclusiveness

Quoted price includes all applicable taxes, duties, freight, insurance, transportation, unloading, installation, integration, commissioning, training, accessories and warranty; no extra charges will be claimed.

2. Genuine new equipment

All equipment supplied shall be genuine, brand new, unused and non-refurbished and shall match the make/model/configuration quoted.

3. No substitution

No hardware, software, camera, display or accessory shall be substituted without prior written approval of KEMU and only where permitted under the Contract/rules.

4. License

Institutional license and all quoted modules shall be supplied for the promised duration and user limits, registered to KEMU, supported by OEM confirmation.

5. Warranty/replacement

Defective hardware/components and software/license defects shall be repaired or replaced during the two-year warranty without additional cost.

6. Installation/training

Installation, commissioning, training and documentation shall be completed within the contract periods.
Firm: _____ Authorized Signatory: _____ Designation: _____ Date: _____ Seal: _____

ANNEXURE-I – DEMONSTRATION / ACCEPTANCE CHECKLIST

Sr.	Test	Result (Pass/Fail)	Observations
1	65-inch or larger native 4K UHD display		
2	PCAP multi-touch, minimum 20 touch points		
3	Motorized tilt 0°–90° and height adjustment		
4	CPU/GPU/RAM/storage configuration verified		
5	Full-body and regional 3D anatomy		
6	Layer-by-layer dissection and segmentation		
7	Histology and embryology		
8	At least 40 pathology cases		
9	CT/MRI/X-ray visualization		
10	At least 30 distinct dissection scenarios		
11	Annotation, labels and scene save/retrieve		
12	Student/faculty account administration		
13	Offline operation		
14	Perpetual license and user limits verified		
15	44 MP camera and 4K video output		

16	10× optical zoom and focus/exposure controls		
17	Overhead mount, remote and foot switch		
18	Two 40-inch or larger 4K displays		
19	Camera feed on table and auxiliary displays		
20	UPS/backup and safe shutdown		
21	Complete accessories and cable management		
22	Training and handover documents		
23	Two-year comprehensive warranty		

Bidder: _____ Manufacturer/Model: _____ Date: _____
Committee observations:
_____
Committee Members/Signatures: 1. _____ 2. _____ 3. _____ End User: _____