

RAWALPINDI MEDICAL UNIVERSITY



BIDDING DOCUMENT

PROCUREMENT OF IT EQUIPMENT, FURNITURE AND AIR CONDITIONERS (PSDP PROJECT)

(YEAR 2025 - 2026)

On

FOR basis



Rawalpindi Medical University

(PSDP PROJECT)



*INVITATION FOR BIDS
FOR
PROCUREMENT OF FURNITURE, IT EQUIPMENT AND AIR CONDITIONERS
FINANCIAL YEAR 2025-26*

1. Rawalpindi Medical University invites bids on item wise basis from well reputed Firms/Companies/Sole Proprietors (Sole Distributors)/ General order Suppliers who are registered on E-PADS (**Electronic -Pak Acquisition and Disposal System**) for **"Procurement of Furniture, IT Equipment and Air Conditioners"**
2. Bidding shall be conducted on **'Single Stage Two Envelopes'** basis..
3. Bidders are required to submit the documents through E-PADS along with following information
 - The bidder should be registered with FBR.
 - Income tax/sales tax certificate from relevant department
 - Professional tax certificate (Punjab)
 - List of relevant major supplies.
 - Evidence for supporting financial soundness.
 - Estimated amount of each item is mentioned in bidding documents.
 - 2% bid security of each item is mentioned in bidding documents.
 - The Original instrument of bid security must be delivered in the office of Purchase Officer Rawalpindi Medical University New Teaching Block inside Holy Family Hospital Rawalpindi prior to closing date/time of submission of bids.
4. Conditional, optional, incomplete and bid not meeting the evaluation criteria shall be considered as **'Non- Responsive'**.
5. Bidding documents containing evaluation criteria, specifications and other terms & conditions can be downloaded from www.ppra.punjab.gov.pk , www.rmur.edu.pk & <https://punjab.eprocure.gov.pk/> free of cost.
6. Prospective bidders are requested to submit their bids through E-PADS on / before **25-9-2025 till 10:30 a.m.** Technical bids will be opened on the same date at 11:00 a.m. in the presence of bidders who intend to witness the proceedings.
7. **In case the bid submitting /closing date is declared public holiday the next working day shall be considered as the bid opening day.**
8. RMU may reject all the bids subject to relevant provision of Punjab Procurement Rules 2014

Vice Chancellor
Rawalpindi Medical University
New Teaching Block Rawalpindi
Tel: 051-9291511

INSTRUCTIONS TO BIDDERS

1. **Source of Funds:** RMU has received budget from HEC for establishment of Research lab and allied facilities
2. **Eligible Bidders:** This Invitation for Bids is opened to all Firms/Companies/Sole Proprietors (Sole Distributors)/ General order Suppliers duly registered with FBR for income tax & sales tax and appears in latest active tax payers list. The bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices, declared by any Government (Federal/Provincial/District), a Local Body or a Public Sector Organization.
3. **Eligible Goods and Services:** All goods and related services to be supplied under the contract shall have their origin in eligible source countries and all expenditures made under the contract shall be limited to such goods and services. For this purpose, the term “**Goods**” includes any Goods that are the subject of this Invitation for Bids and the term “**Services**” shall include related services such as transportation, insurance etc. The “**origin**” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced through manufacturing or processing, or substantial and major assembly of ingredients / components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.
4. **Cost of Bidding:** The bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the manner or outcome of the bidding process.
NOTE: List of required items with specifications is attached.

THE BIDDING PROCEDURE

5. **Single Stage – Two Bids Bidding Procedure as per PPRA Rules 2014(updated till date) shall be applied:**
 - i The bidder shall quote their bids through e-pads contains separately the Financial Proposal and the Technical Proposal.
 - ii Initially, only the “**TECHNICAL PROPOSAL**” shall be opened through e-pads
 - iii The Procuring Agency shall evaluate the Technical Proposal, without reference to the price and reject any proposal which do not conform to the specified requirements;
 - iv During the technical evaluation, no amendments in the technical proposal shall be permitted;
 - v The Financial Proposals of bids shall be opened publicly at a time, date and venue to be announced and communicated to the bidders in advance;
 - vi After the evaluation and approval of the technical proposal, the Procuring Agency shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only.
 - vii The financial proposal of bids found technically non-responsive or non-compliant shall not be **opened**.

THE BIDDING DOCUMENTS

6. Content of Bidding Documents

- i. The goods required, bidding procedures, and Contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents shall include: -
 - a) Instructions to bidders;
 - b) General Conditions of Contract;
 - c) Special Conditions of Contract;
 - d) Schedule of Requirements;
 - e) Technical Specifications;
 - f) Performance Guarantee Form;
 - g) Bid Form;
 - h) Price Schedule
 - ii. The **“Invitation for Bids”** does not form part of the Bidding Documents and is included as a reference only. In case of discrepancies between the Invitation for Bid and the Bidding Documents listed above, the said Bidding Documents shall take precedence. The bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents.
 - iii. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect shall be at the bidder's risk and may result in the rejection of its bid.
7. **Clarification of Bidding Documents:** A prospective bidder requiring any clarification of the bidding documents may notify the Procuring Agency, in writing at the Procuring Agency's address, indicated in the Invitation for Bids. The Procuring Agency shall respond in writing to any request for clarification of the bidding documents, which it receives no later than ten (10) days prior to the deadline for the submission of bids prescribed in the Invitation for Bids. Written copies of the Procuring Agency's response (including an explanation of the query but without identifying the source of inquiry) shall be uploaded on e-pads.
8. **Amendment of Bidding Documents:** At any time prior to the deadline for submission of bids, the Procuring Agency, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, may modify the bidding documents by amendment. All prospective bidders shall be notified of the amendment through E-Pads.

PREPARATION OF BIDS

9. **Language of Bid:** The bid prepared by the bidder, as well as all correspondence and documents relating to the bid exchanged by the bidder and the Procuring Agency shall be written in English. Supporting documents and printed literature furnished by the bidder may be in another language provided they are accompanied by an accurate translation in English, in which case, for purposes of interpretation of the Bid, the translation shall govern.
10. **Documents Comprising the Bid:** The bid shall comprise the following components:
- (a) Bid Form and Price Schedule completed in accordance with instruction to bidders (to be submitted along with financial proposal);

- (b) Documentary evidence established in accordance with instruction to bidders that the bidder is eligible to bid and is qualified to perform the Contract if its bid is accepted;
 - (c) Documentary evidence established in accordance with instruction to bidders that the goods to be supplied by the bidder are eligible goods and conform to the bidding documents; and
- 11. Bid Form & Price Schedule:** The bidder shall complete the Bid Form and an appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their strength, packing, quantity, and prices.
- 12. Bid Prices:**
- i. The bidder shall indicate on the appropriate Price Schedule the unit prices and total bid price of the goods; it proposes to supply under the Contract.
 - ii. Form of price Schedule is to be filled in very carefully & typed. Any alteration /correction must be initialed. Every page is to be signed and stamped at the bottom. Serial number of the quoted item may be marked in bold.
 - iii. The bidder should quote the prices of goods according to the strength / technical specifications as provided in the Form of Price Schedule and Technical Specifications. The specifications of goods, different from the demand of bid enquiry, shall straightway be rejected.
 - iv. **The bidder is required to offer competitive price. The prices must include all the taxes and duties levied by government, where applicable. If there is no mention of taxes, the offered / quoted price shall be considered as inclusive of all prevailing taxes/duties.**
 - v. Prices offered should be item wise. Conditional offer shall also be considered as nonresponsive bidder.
 - vi. While tendering your quotation, the present trend / inflation in the rate of goods and services in the market should be kept in mind. No request for increase in price due to market fluctuation in the cost of goods and services shall be entertained.
- 13. Bid Currencies:** Prices shall be quoted in Pak Rupees.
- 14. Documents Establishing Bidder's Eligibility and Qualification**
- i. The bidder shall furnish, as part of its technical bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.
 - ii. The documentary evidence of the bidder's eligibility to bid shall establish to the Procuring Agency's satisfaction that the bidder, at the time of submission of its bid, is eligible as defined under instruction to the bidders
 - iii. The documentary evidence (to be submitted along with technical proposal) of the bidder's qualifications to perform the Contract if its bid is accepted shall establish to the Procuring Agency's satisfaction:
 - (a)** National Tax Number (NTN) and General Sales Tax Number (GST) with documentary proof shall have to be provided by each bidder in the tender.
 - (b)** The bidder shall submit an affidavit on legal stamp paper of Rs. 100/- that their firm is not blacklisted on any ground by the Procuring Agency (RMU) & PPRA . The bidder shall be debarred from bid on account of submission of false statement.
 - (c)** The bidder should have minimum **two -year experience in the market.**
 - (d)** The bidder is required to provide with the Technical Proposal, the name of item(s) for which they have quoted their rates in the Financial Proposals.
- 15. Documents Establishing Good's Eligibility and Conformity Bidding Documents:**

- i. The bidder shall furnish along with Technical Proposal, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods, which the bidder proposes to supply under the Contract.
- ii. The documentary evidence of the eligibility of the goods shall consist of a statement in the Price Schedule of the country of origin of the goods offered which a certificate of origin issued by the Manufacturer shall confirm.

16. Bid Security:

Item wise bid security is mentioned in demand schedule which is 2% of estimated cost in shape of Bank Guarantee/CDR/Demand Draft/Pay Order in favor of "Vice Chancellor Rawalpindi Medical University, Rawalpindi". Original bid security **must be submitted in purchase department before the closing date and time of bid.**

17. Bid Validity

- i. Bids shall remain valid for the period of **180 days** after the date of opening of Technical Bid, prescribed by the Procuring Agency. A bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive.
- ii. The Procuring Agency shall ordinarily be under an obligation to process and evaluate the bid within the stipulated bid validity period. However, under exceptional circumstances and for reason to be recorded in writing, if an extension is considered necessary, all those who have submitted their bids shall be asked to extend their respective bid validity period. Such extension shall be for not more than the period equal to the period of the original bid validity.
- iii. bidders who: -
 - (a) Agree to the Procuring Agency's request for extension of bid validity period shall not be permitted to change the substance of their bids; and
 - (b) Do not agree to an extension of the bid validity period shall be allowed to withdraw their bids without forfeiture of their bid securities.

18. Format and Signing of Bid:

- i The bidder shall prepare and submit its bid through E-Pads . The bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the Contract. The person or persons signing the bid shall initial all pages of the bid, except for un-amended printed literature.
- ii Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

SUBMISSION OF BIDS

19. Sealing and Marking of Bids

- i. The Bids shall be separately uploaded on e-pads as "**FINANCIAL PROPOSAL**" and "**TECHNICAL PROPOSAL**".

20. Deadline for Submission of Bids: All bids must be submitted by the bidders through E-Pads not later than the time and date specified in the Invitation for Bids. The Procuring Agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with instruction to bidders, in which case all rights and obligations of the Procuring Agency and bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

21. Withdrawal of Bids: The bidder may withdraw its bid after the bid's submission and prior to the deadline prescribed for submission of bids. No bid may be withdrawn in the interval

between the deadline for submission of bids and the expiration of the period of bid validity specified in instruction to bidders.

OPENING AND EVALUATION OF BIDS

23. Opening of Bids

- i. The Procuring Agency shall initially open only the **“TECHNICAL PROPOSAL”** in the presence of bidders’ representatives who choose to attend, at the time, on the date, and at the place specified in the Invitation for Bids through e-pads. The bidders’ representatives who are present shall sign the Attendance Sheet evidencing their attendance.
- ii. The bidders’ names, item(s) for which they quoted their rate and such other details as the Procuring Agency, at its discretion, may consider appropriate, shall be announced at the opening of technical proposal. No bid shall be rejected at technical proposal / bid opening, except for late bids, which shall be returned unopened to the bidder. However, at the opening of Financial Proposals (the date, time and venue would be announced later on), the bid prices, discounts (if any), and the presence or absence of requisite Bid Security and such other details as the Procuring Agency, at its discretion, may consider appropriate, shall be announced.
- iii. The Procuring Agency shall prepare minutes of the bids opening (technical and financial).

24. Clarification of Bids: During evaluation of the bids, the Procuring Agency may, at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted

25. Preliminary Examination

- i. The Procuring Agency shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether required securities have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- ii. In the financial bids the arithmetical errors shall be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the bidder does not accept the correction of the errors, its bid shall be rejected, and its bid Security may be forfeited. If there is a discrepancy between words and figures, the amount in words shall prevail.
- iii. The Procuring Agency may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.
- iv. Prior to the detailed evaluation, the Procuring Agency shall determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one, which conforms to all the terms and conditions of the bidding documents without material deviations.
- v. Technical scrutiny committee may ask for samples of quoted items at any stage of evaluation/bidding procedure. The bidders shall be bound to provide the samples at his own cost. Otherwise, his bid shall be declared non-responsive.

- vi. If a bid is not substantially responsive, it shall be rejected by the Procuring Agency and may not subsequently be made responsive by the bidder by correction of the nonconformity.

26. Evaluation & Comparison of Bids

- i. The Procuring Agency shall evaluate and compare the bids, which have been determined to be substantially responsive.
- ii. The Procuring Agency's evaluation of technical proposal / bid shall be on the basis of previous performances, previous test reports, inspection of plant/ factory / premises (if not previously conducted), previous experience, financial soundness and such other details as the Procuring Agency, at its discretion, may consider appropriate, shall be considered. However, the evaluation of financial proposal shall be on the basis of price inclusive of prevailing taxes and duties in pursuant to instruction to bidders.
- iii. All bids shall be evaluated in accordance with the evaluation criteria and other terms & conditions set forth in these bidding documents.
- iv. A bid once opened in accordance with the prescribed procedure shall be subject to only those rules, regulations and policies that are in force at the time of issue of notice for invitation of bids.

27. Evaluation Criteria:

I. Evaluation Criteria

The procuring agency shall follow following evaluation criteria for Qualification/Disqualification of bids. All evaluation parameters given below are mandatory to compliance for technical qualification of firm. The items evaluation shall be done in accordance with technical specification given in Annex A.

SR. #	KNOCK OUT CLAUSE	YES/NO	PAGE #
1.	Valid Computerized National Identity Card (Copy) of Bidder		
2.	Complete Company Profile		
3.	Bid Security 2% in shape of CDR/PO/DD/Bank Guarantee attached with Technical Bid		
4.	Valid National Tax Registration No. Certificate (NTN)		
5.	Valid Sales Tax Registration No. Certificate (STRN)		
6.	Valid Professional Tax Certificate (Punjab Only)		
7.	Valid PST Certificate (where applicable)		
8.	Active Tax Payer Certificate (Print of Online Verification)		
9.	Annual Turn Over for Last One Year Minimum Five million (Attach Bank Statement/Income Statement/Balance Sheet of last one year)		
10.	Minimum two -year Experience of Working with any Government Department/Autonomous Body /Attached Department (Supply Orders from Government Department Must be Attached)		
11.	Price should not be mentioned on technical bid		
12.	Technical Compliance Sheet		

28. Schedule of Requirement

The supplies shall be delivered within 45 days w.e.f the next date after the date of issue of Supply order (without penalty) and with prescribed penalty, as per following schedule of requirement:

Mode of penalty	Shipping/Delivery Period
Without Penalty	45 Days
Place of delivery	Material shall be delivered at Store of Rawalpindi Medical University Rawalpindi

- i. In case of late delivery of goods beyond the periods specified in the Schedule of Requirements, **penalty** @ 0.067% per day of the cost not exceeding 10% of the supply order/contract value for late delivered supply shall be imposed upon the Supplier after reaching the maximum penalty the supply order shall be cancelled and performance guarantee will be forfeited and the procuring agency may award the contract to the next lowest bidder.
- ii. Delivery period will be started from the next date of issuance of Supply order to the Contractor.

29. Contacting the Procuring Agency: No bidder shall contact the Procuring Agency on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded. If the bidder wishes to bring additional information to the notice of the Procuring Agency, it should do so in writing. Any effort by a bidder to influence the Procuring Agency in its decisions on bid evaluation, bid comparison, or Contract award may result in the rejection of the bidder's bid. Canvassing by any bidder at any stage of the Tender evaluation is strictly prohibited. Any infringement shall lead to disqualification in addition to any other penalty Procuring Agency may in its discretion impose.

30. Qualification & Disqualification of Bidders: The Procuring Agency shall disqualify a bidder if it finds, at any time, that the information submitted by firm was false and materially inaccurate or incomplete.

31. Rejection of Bids: The Procuring Agency may reject any or all bids at any time prior to the acceptance of a bid. The Procuring Agency shall upon request communicate to any bidder who submitted a bid, the grounds for its rejection of any or all bids, but is not required to justify those grounds. The Procuring Agency incurs no liability, solely towards bidders who have submitted bids. Notice of the rejection of any or all bids shall be given promptly to the concerned bidders that submitted bids.

32. Re-Bidding: If the Procuring Agency rejected all bids, it may call for a re-bidding or if deems necessary and appropriate the Procuring Agency may seek any alternative methods of procurement under of the Punjab Procurement Rules-2014. The Procuring Agency before invitation for re-bidding shall assess the reasons for rejection and may revise specifications, evaluation criteria or any other condition for bidders, as it may deem necessary.

33. Announcement of Evaluation Report: The Procuring Agency shall declare the results of bid evaluation 10 days prior to the award of procurement contract.

AWARD OF CONTRACT

34. Acceptance of Bid and Award criteria: The bidder with the lowest evaluated bid, if not in conflict with any other law, rules, regulations or policy of the Provincial Government, shall be awarded the Contract, within the original or extended period of bid validity.

35. Procuring Agency's right to vary quantities at time of award/Supply order: The Procuring Agency reserves the right at the time of Contract's award/Supply order to

increase or decrease, the quantity of goods originally specified in the Price schedule and Schedule of Requirements without any change in unit price or other terms and conditions.

36. Limitations on Negotiations: Save as otherwise provided there shall be no negotiations with the bidder having submitted the lowest evaluated bid or with any other bidder: provided that the extent of the negotiation permissible shall be subject to the regulations issued by the Punjab Procurement Regulatory Authority and its subsequent amendments, if any.

37. Notification of Award

- i. Prior to the expiration of the period of bid validity, the Procuring Agency shall notify the successful bidder in writing by registered letter, to be confirmed in writing by registered letter, that its bid has been accepted.
- ii. The notification of award shall constitute the formation of the Contract.

38. Signing of Contract

- i. At the same time as the Procuring Agency notifies the successful bidder that its bid has been accepted, the Procuring Agency shall send the Contract Form to the bidder provided in the bidding documents, incorporating all agreements between the Parties.
- ii. Both the successful bidder and the Procuring Agency shall sign with date the Contract on the legal stamp paper. Thereafter, the Procuring Agency shall issue Supply order. If the successful bidder, after completion of all Codal Formalities shows inability to sign the Contract then the firm shall be blacklisted minimum for two years. In such situation, the Procuring Agency may make the award to the next lowest evaluated bidder or call for new bids.

39. Performance Guarantee/ Security

- i. On the date of signing of Contract, the successful bidder shall furnish 5% Performance Guarantee / Security in accordance with the Conditions of Contract, in the Performance Guarantee / Security Form provided in the bidding documents.
- ii. Failure of the successful bidder to comply with the requirement of instructions to the bidders shall constitute sufficient grounds for the annulment/termination of the award and forfeiture of the bid Security, in which event the Procuring Agency may make the award to the next lowest evaluated bidder or call for new bids.

40. Corrupt or Fraudulent Practices

- (a) The Procuring Agency requires that the Procuring Agency as well as bidders/ Contractors observe the highest standard of ethics during the procurement and execution of such Contracts. In pursuance of this policy, the Procuring Agency defines, for the purposes of this provision, the terms set forth below as follows:
 - (b)
 - i. **“corrupt practice”** means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in Contract execution; and
 - ii. **fraudulent practice”** means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract to the detriment of the Procuring Agency, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial noncompetitive levels and to deprive the Procuring Agency of the benefits of free and open competition;
- (c) Shall reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the Contract in question;
- (d) Shall declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing a Contract; onus of proof will be on the firm.

GENERAL CONDITIONS OF CONTRACT

- 1) **Definitions:** In this Contract, the following terms shall be interpreted as indicated against each;
 - i) **"The Contract"** means the agreement between the Procuring Agency and the Supplier, as recorded in the Contract Form signed by the Parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - ii) **"The Contract Price"** means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
 - iii) **"The Goods"** means Items being procure, which the Supplier is required to supply to the Procuring Agency under the Contract.
 - iv) **"The Services"** means those services ancillary to the supply of goods, such as printing of special instructions on the label and packing, design, logo, transportation of goods up to the desired destinations and other such obligations of the Supplier covered under the Contract.
 - v) **"The Procuring Agency"** means the Rawalpindi Medical University, Rawalpindi
 - vi) **"The Supplier"** means the individual or firm supplying the goods under this Contract.
- 2) **Application:** These General Conditions shall apply to the extent that they are not inconsistent / superseded by provisions of other parts of the Contract
- 3) **Country of Origin:** All goods and related services to be supplied under the contract shall have their origin in eligible source countries and all expenditures made under the contract shall be limited to such goods and services. For the purposes of this clause, "origin" means the place where the goods are produced through manufacturing or processing, or the place from which the related services are supplied.
- 4) **Standards:** The goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications.
- 5) **Use of Contract Documents and Information**
 - i) The Supplier shall not disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring Agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract.
 - ii) The Supplier shall not, without the Procuring Agency's prior written consent, make use of any document or information enumerated in condition of contract except for purposes of performing the Contract.
 - iii) Any document, other than the Contract itself, enumerated in condition of contract shall remain the property of the Procuring Agency and shall be returned if so required by the Procuring Agency.
 - iv) The Supplier shall permit the Procuring Agency to inspect the Supplier's accounts and records relating to the performance of the Supplier.
- 6) **Patent Rights:** The Supplier shall indemnify the Procuring Agency against all third party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the country.
- 7) **Submission of Samples:** Labeling and Packing of the product would be examined in accordance with Labeling and Packing Government Rules. The Supplier shall provide **samples** of the product to procuring agency as per requirement of Technical Scrutiny Committee.
- 8) **Ensuring intimation of storage arrangements:** To ensure storage arrangements for the intended supplies, the Supplier shall inform the Consignee one week in advance.

9) Inspections and Test / Analysis

- i. The Procuring Agency or its representative shall have the right to inspect and/or to test the goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring Agency.
- ii. For the purpose of inspections and tests of General Store, the Supplier shall inform the RMU Rawalpindi at least 15 working days in advance when all or any specific consignment / installment of goods is manufactured and ready for inspection. The inspection team from RMU Rawalpindi shall inspect the quantity, specifications of goods. The Supplier shall furnish all reasonable facilities and assistance including access to drawings and production data to the inspectors at no charge to the Procuring Agency. However, if the Supplier proves an undue delay in conduct of inspection on the part of Procuring Agency, the Supplier shall not be liable for penalty on account of that delay.
- iii. The Procuring Agency's right to inspect, test and, where necessary, reject the goods after the goods either at Supplier's premises or upon arrival at Consignee's destinations shall in no way be limited or waived by reason of the goods having previously been inspected, tested, and passed by the Procuring Agency or its representative prior to the goods shipment from the manufacturing point.
- iv. Procuring Agency or its representative shall have the right to inspect and /or to test the goods to confirm their conformity to the specifications of the contract at no extra cost to the Procuring Agency.
- v. The inspection committee constituted by the Consignee shall inspect the quantity, specifications of goods. The cost of the lab tests shall be borne by the Supplier.
- vi. The supplier will be responsible for free replacement of stocks if the same is not found to be of the same specifications as required in the Invitation of Bids / Substandard / Misbranded / Expired. Moreover, it will replace the unconsumed expired stores without any further charges.
- vii. The Procuring Agency's right to inspect test and, where necessary, reject the goods after the arrival at Procuring Agency's destinations shall in no way be limited or waived by reason of the goods having previously been inspected, tested, and passed by the Procuring Agency or its representative.
- viii. Nothing in General Conditions of Contract shall in any way release the Supplier from any warranty or other obligations under this Contract.

10). Physical examination of all supplies.

- i) The Inspection committee constituted by the consignee shall carry out the physical examination after receipt of supplies for checking quality / quantity of the goods supplied.
- ii) If the Goods supplied are found during physical examination / inspection to be against the required specifications, approved samples, etc, even if it is sub-standard quality, the Procuring Agency may reject the goods, and the Supplier shall either replace the rejected goods or arrange alterations necessary for rectification of observation, to meet the required specifications free of cost. Replacement in lieu of the rejected supplies must be completed within **20** days from the date of communication of decision to the Contractor / Supplier by the Concerned Authority. In case after replacement or alteration, the Inspection Committee again declare the item as of against the required specifications, the supply would completely be rejected and the proportionate amount of performance security of the concerned installment would be forfeited to the government account and the firm shall be blacklisted minimum for two year.

11) **Delivery and Documents:** The Supplier in accordance with the terms specified in the Bidding Documents shall make delivery of the goods. The details of documents to be furnished by the Supplier are specified in Special Conditions of the Contract.

12) **Insurance:** The goods supplied under the Contract shall be delivered duty paid.

13) **Transportation:** The Supplier shall arrange such transportation / cold chain maintenance of the goods as is required to prevent their damage or deterioration during transit to their destination. The goods shall be delivered in RMU on the risk and cost of the

Supplier. All taxes shall be borne by the Supplier. Transportation including loading / unloading of goods shall be arranged and paid for by the Supplier.

14) **Incidental Services:** The Supplier shall be required to provide the incidental services as specified in Special Conditions of the Contract and the cost of which should be included in the total bid price.

15) **Payment:** The method and conditions of payment to be made to the Supplier under this Contract shall be specified in Special Conditions of the Contract. The currency of payment is Pak. Rupees.

16) **Prices:** Prices charged by the Supplier for goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its bid and shall remain the same till expiry of the original bid validity period provided the Procuring Agency's request for bid validity extension.

17) **Contract Amendments:** No variation in or modification of the terms of the Contract shall be made except by written amendment signed by both the Parties.

18) **Subcontracts:** The Supplier shall not be allowed to sublet the job and award subcontracts under this Contract.

19) **Delays in the Supplier's Performance:** Delivery of the goods shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring Agency. If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely delivery of the goods, the Supplier shall promptly notify the Procuring Agency in writing of the fact of the delay, its likely duration and its cause(s). The Procuring Agency may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the Procuring Agency by amendment of Contract. A delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages, unless an extension of time is agreed upon without the application of liquidated damages.

20) **Penalties/liquidated Damages:** In case of late delivery beyond the presented period, penalty as specified in Special Conditions of Contract shall be imposed upon the Supplier. The above Late Delivery (LD) is subject to General Conditions of Contract including late delivery for reasons beyond control. Once the maximum is reached, the Procuring Agency may consider termination of the Contract. In case of supply of substandard product, the destruction cost will be borne by the firm i.e. burning, Dumping, Incineration. If the firm provides substandard item(s) and fail to provide the item (s) as per specification laid down in the Technical Specification Form / Tender Enquiry, the procuring agency shall be entitled to make other arrangement at the risk / expense of the Contractor / Supplier Firm, the price difference shall be paid by the Firm.

21) **Termination for Default:** The Procuring Agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part, if the Supplier fails to deliver any or all installments of the goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring Agency; or if the Supplier fails to perform any other obligation(s) under the Contract and if the Supplier, in the judgment of the Procuring Agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract

22) **Force Majeure:** Notwithstanding the provisions of general conditions of contract the Supplier shall not be liable for forfeiture of its Performance Guarantee/ bid Security, or termination/ blacklisting for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For the purposes of this clause Force Majeure means an act of God or an event beyond the control of the Supplier and not involving the Supplier's fault or negligence directly or indirectly purporting to mis planning, mismanagement and/or lack of foresight to handle the situation. Such events may include but are not restricted to acts of the Procuring Agency in its sovereign capacity, wars or revolutions, fires, floods, earthquakes, strikes, epidemics, quarantine restrictions and freight embargos. If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring Agency in writing with

sufficient and valid evidence of such condition and the cause thereof. The Committee of RMU, constituted for Redressal of grievances, shall examine the pros and cons of the case and all reasonable alternative means for completion of supply order under the Contract and shall submit its recommendations to the competent authority. However, unless otherwise directed by the Procuring Agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek reasonable alternative means for performance not prevented by the Force Majeure event.

23) **Termination for Insolvency:** The Procuring Agency may at any time terminate the Contract by giving written notice of one-month time to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination shall be without compensation to the Supplier, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued or shall accrue thereafter to the Parties.

24) **Arbitration and Resolution of Disputes:** The Procuring Agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract. If, after thirty (30) days from the commencement of such informal negotiations, the Procuring Agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred to the Arbitrator for resolution through arbitration. In case of any dispute concerning the interpretation and/or application of this Contract shall be settled through arbitration. The Secretary, Law, Justice and Human Rights or his nominee shall act as sole arbitrator. The decisions taken and/or award made by the sole arbitrator shall be final and binding on the Parties

25) **Governing Language:** The Contract shall be written in English language. All correspondence and other documents pertaining to the Contract, which are exchanged by the Parties, shall be written in English.

26) **Applicable Law:** This contract shall be governed by the laws of Pakistan and the courts of Pakistan shall have exclusive jurisdiction.

26) Notices

- i) Any Notice given by one party to the other pursuant to this contract shall be sent to the other party in writing and confirmed to other party's address specified in Special Conditions of Contract.
- ii) A notice shall be effective when delivered or on the notice's effective date, whichever is later

SPECIAL CONDITIONS OF CONTRACT

1. **Definitions:** In this Contract, the following terms shall be interpreted as indicated against each;
 - i. The **Supplier:** is the individual or firm supplying the goods under this contract.
2. **Country of Origin:** All goods and related services to be supplied under the contract must be from that origin / country as indicated under general conditions of the contract.
3. **Bid Security.** Item wise bid security is mentioned in demand schedule which is 2% of estimated price in the shape of Bank Guarantee/ CDR/Demand Draft/Pay Order issued by scheduled bank of Pakistan in the name of V/C RMU, Rawalpindi to be attached with Technical Offer.
4. **Performance Guarantee/ Security:** After signing of contract, the successful bidder shall furnish the Performance Guaranty/Security equivalent to **5% of the total Contract amount in the shape of Bank Guarantee** valid for one year in favor of Vice Chancellor, Rawalpindi Medical University Rawalpindi from any of the scheduled banks in accordance with the conditions of the tender inquiry on the prescribed format.
5. **Inspection and Tests:** Inspection of supplies/services etc at final acceptance shall be in accordance with the conditions of contract. After delivery at RMU RWP the goods/services shall be inspected /examined by the Inspection Committee, RMU RWP to physically check the goods/services in accordance with the approved sample and terms / conditions of the Contract. The Committee shall submit its inspection report to Procuring Agency along with invoice / bills / delivery challan. In case of any deficiency, pointed out by the Inspection Committee in the delivered goods, the Supplier shall be bound to rectify it free of cost.
6. **Delivery and documents:** The Supplier shall provide the following documents at the time of delivery of goods to Consignee' end for verification and onward submission to quarter concerned, duly completed in all respect for payment.
 - i. Original copies of Delivery Note / Challan (in duplicate) showing name of destination to which delivery is to be made, item's description, batch No(s), Registration No, manufacturing and expiry date and quantity.
 - ii. Original copies of the Supplier's invoices (in duplicate) showing warranty, name of Procuring Agency /destination to which delivery is to be made, item's description, Batch No, Registration No, manufacturing and expiry date, quantity, per unit cost, and total amount.
 - iii. Original copies of the Sales Tax Invoices (where applicable) in duplicate showing name of destination to which delivery is to be made, item's description, quantity, per unit cost (without GST), amount of GST and total amount with GST and all taxes.
7. **Insurance** The goods supplied under the Contract shall be delivered duty paid, under which the risk is transferred to the Procuring Agency after having been delivered; hence insurance coverage is Supplier's responsibility therefore, they may arrange appropriate coverage.

8. Incidental Services

The following incidental services shall be provided and the cost of which should include in the total bid price.

- a. The bidder shall supply/services as per tender requirement in commercial packing along with complete literature (Leaflet).
- b. If the Supplier / bidder charged the prices of incidental services separately in the financial bid and not included in the Contract price of goods, the same shall be included prior to comparison of rates with the other bidders.

9. Payment

- A. The Payment shall be in Pak Rupees.
- B. The payment shall be made to the Supplier on receipt of original delivery challan(s) and invoice(s) including those of GST and all taxes (if applicable) in duplicate duly completed in all respect and signed & stamped by the store officer / signed and

stamped by Consignee, along with physical inspection report, carried out by the Committee, with certificate and test / analysis report to the effect that the supplies conform to specifications.

- C. The laboratory test / analysis charges of sample either against the tender or bulk supplies shall be borne by the Supplier.

10. Penalties/ Liquidated Damages

a. In case where the deliveries as per contract are not completed within the time frame specified in the schedule of requirement, the Contract to the extent of non-delivered portion of supply may be cancelled followed by a Show Cause Notice. No supplies shall be accepted and the amount of Performance Guarantee/ Security to the extent of non-delivered portion of supplies of relevant item shall be forfeited and the firm shall be blacklisted minimum for a period of one year. If the firm fails to supply the whole installments, the entire amount of Performance Guarantee/ Security shall be forfeited to the Government account and the firm shall be blacklisted minimum for a period of two year. Onus of proof of innocence shall be on the supplier.

b. In case of late delivery of goods beyond the periods specified in the schedule of requirements, **0.067% per day** of the cost of late delivered supply shall be imposed upon the Supplier.

- 11. Arbitration and Resolution of Disputes:** In case of any dispute, concerning the interpretation and / or application of this Contract shall be settled through arbitration. The Secretary, Law, Justice and Human Rights or his nominee shall act as sole **ARBITRATOR**. The decisions taken and/or award made by the sole arbitrator shall be final and binding on the Parties.

- 12. Applicable Law:** This Contract shall be governed by the laws of Pakistan and the courts of Pakistan shall have exclusive jurisdiction.

Notices

Supplier's address for notice purpose **Procuring Agency's address for notice** **RMU**
(Inside Holy Family Hospital) **New Teaching Block Rawalpindi**

CONTRACT FORM

THIS CONTRACT is made at ----- on ----- day of----- 2025, between the Vice Chancellor RMU Rawalpindi (hereinafter referred to as the "Procuring Agency") of the First Part; and M/s (*firm name*) a firm registered under the laws of Pakistan and having its registered office at (*address of the firm*) (hereinafter called the "Supplier") of the Second Part (hereinafter referred to individually as "Party" and collectively as the "Parties").

WHEREAS the Procuring Agency invited bids for procurement of goods, in pursuance where of M/s (*firm name*) being the Manufacturer/ Sole Agent of (*item name*) in Pakistan and ancillary services offered to supply the required item (s); and Whereas the Procuring Agency has accepted the bid by the Supplier for the supply of (*item name*) cost per unit,

NOW THIS CONTRACT WITNESSES AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the General/ Special Conditions of this Contract hereinafter referred to as "Contract":
2. The following documents shall be deemed to form and be read and construed as integral part of this Contract, viz:-
 - a. *Price Schedule submitted by the bidder*, b. *Technical Specifications*; c. *General Conditions of Contract*;
 - d. *Special Conditions of Contract*; and e. *Procuring Agency's Award of contract*; and f. *Supply order*
3. In consideration of the payments to be made by the Procuring Agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring Agency to

provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of this Contract.

4. The Procuring Agency hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the time and in the manner prescribed by this Contract.
5. *[The Supplier]* 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 or any administrative subdivision or agency thereof or any other entity owned or controlled by it (Government of the Punjab) through any corrupt business practice.
6. Without limiting the generality of the foregoing, *[the Seller/ Supplier]* 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 including the procurement of a Contract, right interest, privilege or other obligation or benefit in whatsoever form Government of Punjab, except that which has been expressly declared pursuant hereto.
7. *[The Supplier]* certifies that has made and shall make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with Government of Punjab and has not taken any action or shall not take any action to circumvent the above declaration, representation or warranty.
8. *[The Supplier]* 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 right and remedies available to Procuring Agency under any law, Contract or other instrument, be voidable at the option of Procuring Agency.
9. Notwithstanding any rights and remedies exercised by Procuring Agency in this regard, *[The Supplier]* agrees to indemnify Procuring Agency for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Procuring Agency in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by *[The Supplier]* 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 Procuring Agency.
10. In case of any dispute concerning the interpretation and/or application of this Contract shall be settled through arbitration. The Secretary, Law, Justice and Human Rights or his nominee shall act as sole arbitrator. The decisions taken and/or award made by the sole arbitrator shall be final and binding on the Parties.
11. This Contract shall be governed by the laws of Pakistan and the courts of Pakistan shall have exclusive jurisdiction.
12. If the firms provide substandard item(s) and fail to provide the item(s) as per specification laid down in the Technical Specification Form / Tender Enquiry, the procuring agency shall be entitled to make other arrangement at the risk / expense of the Contractor / Supplier Firm, the price difference shall be paid by the Firm.
13. In case of supply of substandard product the destruction cost will be borne by the firm i.e. burning, Dumping, Incineration
14. Partial supply shall not be accepted.
15. Quality/quantity of items/services supplied will be checked by the inspection committee of RMU RWP.
16. The supply shall not be accepted if found substandard. The seller shall be bound to replace the substandard stores immediately.

17. Seller shall ensure timely, continuous / uninterrupted supply of items/services.
 18. The seller shall have to supply such quantity as ordered by undersigned as per supply order. The seller shall provide free delivery of all supplies at RMU Rawalpindi new teaching Block
 19. Payment will be made by the end users as per rules after completion of all codal formalities.
 20. In case of breach of terms & conditions of contract agreement security of the seller shall be forfeited.
 21. This contract agreement shall remain valid till 30th June, 2026.
 22. The seller will be responsible to refund any excess amount paid due to any error in calculation or mistake in evaluating the offer.
- IN WITNESS Whereof the Parties hereto have caused this Contract to be executed at _____ (the place) and shall enter into force on the day, month and year first above mentioned.

Name of Firm _____
Authorized Person (Name) _____
Address _____

CNIC # _____
Signature & Stamp _____

**VICE CHANCELLOR
RAWALPINDI MEDICAL UNIVERSITY
RAWALPINDI**

A. Schedule of requirement

OBJECT CODE A-09201 COMPUTER HARDWARE (Digitalization of University Campus Rawalpindi Medical University)				
Sr. #	EQUIPMENT NEEDED	Qty	Total Estimated Price (Rs)	2% Bid Security
1	HIGH END SERVERS (Application, Database)	5	8,000,000	160,000
2	Rack 42 U for physical installation of servers, Routers,switches, firewalls etc	2	300,000	6,000
	Passive Equipment - Copper Cabling & Optical fiber cabling			
4	UTP Cable CAT-VI 305 meter Roll	45	1,035,000	20,700
5	1 Meter CAT-VI Patch Cord	600	210,000	4,200
6	3 MeterCAT-VI Patch Cord	400	180,000	3,600
7	24 Port CAT-VI Patch Panel	30	690,000	13,800
8	CAT-VI Dual Face Plate Complete with Backbox	500	300,000	6,000
9	CAT-VI RJ-45 I/O	30	21,000	420
10	Cable Manager	30	60,000	1,200
11	Switch Cabinet 15 U with lock and glass	5	150,000	3,000
12	Switch Cabinet 9 U with lock and glass	8	200,000	4,000
13	Switch Cabinet 6 U with lock and glass	10	150,000	3,000
14	PDU 8 SCOKET	34	85,000	1,700
	Duct			
15	Duct 16x25 mm (10 Feet)	60	18,000	360
16	Duct 16x38 mm (10 Feet)	220	99,000	1,980
17	Duct 40x40 mm (10 Feet)	100	90,000	1,800
18	Duct 80x80 mm (10 Feet)	11	19,800	396
	Fiber Working			
19	Fiber Optics outdoor 6 Core Single Armoured with Steel Wire, Central Loose Tube Single mode G652	1000	400,000	8,000
20	Fiber Optics indoor 6 Core Multi mode 62.5 microns Armoured with Steel Wire, Central Loose Tube	1000	400,000	8,000

21	SC-LC Duplex Fiber Patch Cord	80	56,000	1,120
22	Indoor Fiber Optic pulling/laying charges (PRM cable)	1000	200,000	4,000
23	Outdoor Fiber Optic Digging/laying charges (PRM cable)	1000	500,000	10,000
24	Fiber optic splicing charges	80	40,000	800
	Fiber OFDF			
25	Fiber OFDF (8 Ports)	20	140,000	2,800
26	Fiber OFDF (24 Ports)	6	90,000	1,800
	Wi-Fi Router			
	Router Wi-Fi 360 Degree Professional	40,000	880,000	17,600
	UPS			
24	Online UPS 20 KVA with Batteries	900000	900,000	18,000
	SWITCHES			
25	Layer 3 Modular Core Switch with 48 10 G Ports	4,000,000	4,000,000	80,000
26	Layer 2 Access Switches 24 X 1G RJ45 Ports Access Switches with redundant 10G SFP+ uplinks	300,000	9,000,000	180,000
27	Layer 2 Access Switches 16X 1G RJ45 Ports Access Switches with redundant 10G SFP+ uplinks	170,000	850,000	17,000
	FIRE WALL			
28	Next Generation Firewall with 10G Ports	2,000,000	2,000,000	40,000
	IGW Routers			
29	Internet Gateway Modular Router	1,500,000	1,500,000	30,000
	HARDWARE FOR DIGITAL LIBRARY			
1	Computer minimum Core I-5 with LED Monitors & Wifi Card	120,000	3,600,000	72,000
2	WiFi enabled Printers	100,000	200,000	4,000
	HARDWARE FOR TEACHING AND ADMINISTRATIVE DEPARTMENTS			
1	Computer minimum Core I-5 with LED Monitors & Wifi Card	120,000	3,600,000	72,000
3	WiFi enabled Printers	80,000	800,000	16,000
4	LaserJet Printer B/W Medium Duty	40,000	400,000	8,000
5	High end scanner for examination	100,000	200,000	4,000
	HARDWARE FOR RESAERCH LABS			
1	Computer Core I-7 with LED Monitors & Wifi Card	145,000	2,900,000	58,000
2	WiFi enabled Printers	50,000	600,000	12,000
3	Documents Scanners	80,000	960,000	19,200
	OBJECT CODE A-09202 COMPUTER SOFTWARE			

Sr. #	EQUIPMENT NEEDED	Unit Price	Total cost (Rs)	
1	Laboratory Software (For Research Labs.)	2,000,000	2,000,000	40,000
2	University Research and Training Monitoring software (Digitalization of University Campus Rawalpindi Medical University)	3,000,000	3,000,000	60,000
OBJECT CODE A-09203 IT EQUIPMENT				
Sr. #	EQUIPMENT NEEDED	Unit Price	Total cost (Rs)	
1	IP PBX Configuration of 616 licenses and capacity can support up to 1000 users for future expansion. 24FXO ports and one E1 port 16 two line IP phone with color display and Gig Interface and CLI supported 600 analog with CLI display Rack for the mounting of system Latest features built in conference in IPPBX to support 12 parties in a conference. IPPBX should support the convergence of IP and analog system.	1	3,500,000	70,000
2	IP Set	100	200,000	4,000
3	Multimedia Projectors 4500 lumens	150,000	300,000	6,000
4	Multimedia Screens	50,000	100,000	2,000
	Total Amount		54,923,800	1,098,476

FURNITURE & FIXTURE				
Sr. #	EQUIPMENT NEEDED	Unit Price	Total cost (Rs)	2% Bid Security of Estimated Cost
Furniture For Management Staff				
1	Executive Office Table	85,000	850,000	17,000
2	Executive Revolving Chairs	30,000	300,000	6,000
3	Office Tables	40,000	800,000	16,000
4	Revolving Chairs	20,000	200,000	4,000
5	Office Chairs wooden	10,000	250,000	5,000
6	Office Chairs Steel	7,000	700,000	14,000
7	File Racks	10,000	50,000	1,000

8	File Cabinets(steel)	27,000	1,350,000	27,000
9	Center Table	20,000	80,000	1,600
10	Computer Table	25,000	750,000	15,000
11	Computer chair(revolving)	12,000	360,000	7,200
12	Work Stations WITH CHAIRS	30,000	750,000	15,000
13	Reception Counter With Chair (revolving)	50,000	50,000	1,000
FOR RESEARCH LABS/LECTURE HALLS/ DEMONSTRATION ROOMS				
1	OfficeTables	40,000	1,400,000	28,000
2	Revolving Chairs Steel	20,000	500,000	10,000
3	Office Chairs	10,000	1,400,000	28,000
4	Class Room Chairs with Foldable Tables	15,000	3,000,000	60,000
5	Rostrum	20,000	240,000	4,800
6	White Boards	15,000	180,000	3,600
7	Lockers	5,000	500,000	10,000
8	Reception Counter With Chair	50,000	50,000	1,000
Auditorium & Examintaion Hall Furniture / Fixtures				
1	Chairs for Auditorium	15,000	12,000,000	240,000
3	Air conditions standing units for auditorium and examination hall 4tons complete in all respect	450,000	13,500,000	270,000
4	Chairs of examination hall NTB plastic complete in all respect.	3,500	1,225,000	24,500
	Total		40,485,000	809,700
Air Conditioners				
Sr. #	EQUIPMENT NEEDED	Unit Price	Total cost (Rs)	2% Bid Security of Estimated Cost
1	4.0 Ton AC	450,000	2,700,000	54,000
2	2.0 Ton AC	260,000	3,380,000	67,600
3	1.5 Ton AC			

		210,000	3,360,000	67,200	
	Total			9,440,000	188,800
	Grand Total		104,848,800	2,096,976	

BID FORM

(To be Printed on Company Letter Head)

No. _____

Date: _____

To
The Vice Chancellor,
Rawalpindi Medical University,
Rawalpindi

Having examined the Bidding Documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer the supply and deliver the goods /provide the services specified in and in conformity with the said Bidding Documents for the sum of [Total Bid Amount _____], [Bid Amount in words _____] or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this bid.

We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements. If our bid is accepted, we shall furnish performance guarantee / security in the shape of Bank Guarantee equivalent to 5% of the total contract amount. The Performance Guarantee/Security shall be in favor of Vice Chancellor, RMU Rawalpindi. We agree to abide by this bid for a period of **180 Days**, and it shall remain binding upon us and may be accepted at any time before the expiration of that period. Until a formal Contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.

We understand that the Procuring Agency is not bound to accept the lowest or any bid, Procuring Agency may receive.

Name and address of Bidder ----- Amount -----
(if none, state "none")."

Dated this _____ day of _____ 2025

Signature (in the capacity of) duly authorized to sign bid for and on behalf of firm

Performance Guarantee Form

To: *[Name & Address of the Procuring Agency]*

Whereas*[Name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[number]* dated *[date]* to supply *[description of goods]* (hereinafter called "the Contract").

And whereas it has been stipulated by you in the said Contract that the Supplier shall furnish you with a CDR/Bank Guarantee by a scheduled bank for the sum of 5% of the total Contract amount as a Security for compliance with the Supplier's performance obligations in accordance with the Contract.

And whereas we have agreed to give the Supplier a Guarantee:

Therefore we hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[Amount of the Guarantee in Words and Figures]* and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[Amount of Guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee/CDR is valid until the _____ day of _____

Signature and Seal of the Guarantors/Bank

Address

Date

Note: It should be valid for a period equal to the warranty period.

The contract will be signed/ issued after submission of this Performance Security.

PRICE SCHEDULE
(To be Printed on the Company Letter Head)

Sr. No. <i>(As mentioned in demand schedule against each item)</i>	Item Name with specifications	Accounting Unit	Quantity	Unit Price	Total Cost <i>(Inclusive of all taxes & duties)</i>

Signature and Stamp of

bidder _____

Technical Specification

1. HIGH END SERVERS (Application, Database)

SN	Product Line: High End Servers	International Renowned Brands Only	Qty
1	2U, dual-socket rack server, Chassis (2.5" bays)Front: 16 or higher × 2.5"; Rear: up to 2/4 × 2.5", 2 x Intel® Xeon® Gold 6544Y 3.6G, 16C/32T, 20GT/s, 45M Cache, Turbo, HT (270W) DDR5-5200, 7.68TB SSD SAS Read Intensive up to 24Gbps 512e 2.5in Hot-Plug 1DWPD , 7.6TB x2 (Storage Capacity 15TB), 10 x 2.4TB 10K RPM SAS 12Gbps 512e 2.5in Hot-plug Hard Drive, memory 500GB DDR5 slots up to 5600 MT/s, Up to 2 double- wide (350 W) or 6 single-wide (75 W), Cooling Options Up to 6 hot-plug fans; air or optional liquid cooling, Dimensions 2u, iDRAC, , RAID/Internal Storage Controllers, Hot-swap redundant power supplies, 4x10G Fiber/Ethernet port, bezel,iDRAC system management,6 or more PCIe slots, 1- Year on site comprehensive (free parts and labor) warranty		05

2. Rack 42 U for physical installation of servers, Routers, switches, firewalls

SN	Product Line: Rack 42U	International Renowned Brands Only	Qty
2	standard 42U standard rack with tray support standard 19-inch EIA-310-D mounting (4-post rails) 42U rack height Material: powder-coated finish, Door Front and rear lockable (perforated or solid) Removable and lockable side panels, Top & bottom access with optional cable bars, Perforated doors, fan tray support, airflow management kits combination locks on doors and panels, shelves, blanking panels, fan trays and cages, built-in pdu. 1- Year on site comprehensive (free parts and labor) warranty		02

Passive Equipment - Copper Cabling & Optical fiber cabling

3. UTP Cable CAT-VI Roll

SN	Product Line: Network Cables Roll	International Renowned Brands Only	Qty
3	Network Cable Roll Cat6 copper UTP, supported data rate support 1Gbps,100% copper, Ethernet (10/100/1000Base-T), PoE/PoE+, CCTV, VoIP, and Data Networks supported		45 Roll

4. 1 Meter CAT-VI Patch Cord

SN	Product Line: Patch cord UTP 1M International Renowned Brands Only	Qty
4	Imported UTP patch cord, data rate 1Gbps, poe supported , length 1 meter	600

5. 3 Meter CAT-VI Patch Cord

SN	Product Line: Patch cord UTP 3M International Renowned Brands Only	Qty
5	Imported UTP patch cord, data rate 1Gbps, POE supported, length 3 meter	400

6. 24 -Port CAT-VI Patch Panel

SN	Patch Panel	Qty
6	Patch Panel 24 port Cat 6 Supported modular, Cold-rolled steel, powder-coated finish	30

7. CAT-VI Dual Face Plate Complete with Backbox

SN	Dual Face Plate Complete with Backbox	Qty
7	PVC Dual Face Plate Complete with Backbox,port capacity 2 × Keystone jacks, fixing method Wall mount, screw-fixed,	500

8. CAT-VI RJ-45 I/O

SN	Product Line CAT-VI RJ-45 I/O	Qty
8	(Cat6) RJ-45 Keystone Jack tool-less, 1 Gbps up to 100 meters (10/100/1000Base-T Ethernet), Fits in standard keystone faceplates, patch panels	700

9. Cable Manager

SN	Product Line: Cable Manager	Qty
9	Imported horizontal Cable Manager for 24 port Switches, Top and bottom opening	30

10. Switch Cabinet 15 U with lock and glass

SN	Product Line: Network Switch Box 15U	Qty
10	15U Network Switch Box with Door (with glass) and lock, wall mounting, cooling fan	5

11. Switch Cabinet 9U with lock and glass

SN	Product Line: Network Switch Box 9U	Qty
11	9U Network Switch Box with Door (with glass) and lock, wall mounting, cooling fan	8

12. Switch Cabinet 6 U with lock and glass

SN	Product Line: Network Switch Box 6U	Qty
12	6U Network Switch Box with Door (with glass) and lock, wall mounting, cooling fan	10

13. PDU 8 SCOKET

SN	Product Line: 8 Port SPD PDU	Qty
13	Rackmount Generous 1.8 meter power cable plus integral Neon Rocker Switch Fitted BSI Standard UK Power Plug with 13a BSI Fuse". Built-in circuit breaker / fuse protection, PDU UK Sockets 8 Way with UK Plug Power Distribution Unit Vertical SURGED	34

Duct

14. Duct 16x25 mm (10 Feet)

SN	Product Line: Duck Patti	Qty
14	16*25 Duck Patti high quality PVC	60

15. Duct 16x38 mm (10 Feet)

SN	Product Line: Duck Patti	Qty
15	16*38 Duck Patti high quality PVC	220

16. Duct 40x40 mm (10 Feet)

SN	Product Line: Duck Patti	Qty
16	40*40 Duck Patti high quality PVC	100

17. Duct 80x80 mm (10 Feet)

SN	Product Line: Duck Patti	Qty
17	80*80 Duck Patti high quality PVC	11

Fiber Working

18. Fiber Optics outdoor 6 Core Single Armored with Steel Wire, Central Loose Tube Single mode G652

SN	Fiber Optics outdoor 6 Core Single Armored with Steel Wire, Central Loose Tube Single mode G652	Qty
18	Outdoor Fiber Optic Cable, Single Armored 6 Cores, Single Mode (SM) G.652D compliant Corrugated Steel Tape / Steel Wire Armored, UV-resistant, HDPE (High Density Polyethylene), Steel wire / FRP Operating Wavelengths: 1310 nm, 1550 NM, Bandwidth: ≥ 1000 MHz·km @1310 nm	1000

19. Fiber Optic Indoor Cable – 6 Core Multimode (62.5 μm, Armored, Central Loose Tube)

SN	Fiber Optic Indoor Cable – 6 Core Multimode (62.5 μm, Armored, Central Loose Tube)	Qty
19	Indoor Fiber Optic Cable, Steel Wire Armored 6 Cores, Multimode 62.5/125 μm (OM1),Central Loose Tube (filled with gel or dry water-blocking material),Corrugated Steel Tape / Steel Wire Armored,Steel wire / FRP ,Bandwidth≥ 200 MHz·km @ 850 nm, ≥ 600 MHz·km @ 1300 nm	1000m

20. SC-LC Duplex Fiber Patch Cord

SN	SC–LC Duplex Fiber Patch Cord	Qty
20	SC (Simplex/Standard Connector) to LC (Lucent Connector), Ultra Physical Contact), Singlemode OS2 (9/125 μm), Multimode OM1 (62.5/125 μm), OM2/OM3/OM4 (50/125 μm), Insertion Loss: ≤ 0.3 dB (typical ≤ 0.2 dB), Durability: ≥ 1000 mating cycles	80

21. Indoor Fiber Optic pulling/laying charges (PRM cable)

SN	Indoor Fiber Optic pulling/laying charges (PRM cable)	Qty
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21	Indoor Fiber Optic pulling/laying charges (PRM cable)	As per actual
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22. Outdoor Fiber Optic Digging/laying charges (PRM cable)

SN	Outdoor Fiber Optic Digging/laying charges (PRM cable)	Qty
22	Outdoor Fiber Optic Digging/laying charges (PRM cable)	As per actual

23. Fiber optic splicing charges

SN	Fiber optic splicing charges	Qty
23	Fiber optic splicing charges	As per actual

Fiber OFDF

24. Fiber OFDF (8 Ports)

SN	Product Line: Rack Mount ODF (8 Port Rack Mount OFDF with adaptor and pigtail LC to LC)	Qty
24	8 Port Rack Mount OFDF with adaptor and pigtail LC to LC	20

25. Fiber OFDF (24 Ports)

SN	Product Line: Rack Mount ODF (24 Port Rack Mount OFDF with adaptor and pigtail LC to LC)	Qty
25	24 Port Rack Mount OFDF with adaptor and pigtail LC to LC	6

Wi-Fi Router Access Point

26. Router\Access Point Wi-Fi 360 Degree Professional

SN	Product Line: Access Point Indoor International Renowned Brands Only	Qty
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26	Standard IEEE802.11 ax/ac/n/g/b/a/ minimum Wi-Fi 5/6/7 supported The quoted AP must provide at least 1 port for 100/1000M Multigigabit Ethernet, RJ-45 (PoE 802.3af) and 1 port for 1G/2.5G Multigigabit optical port.	22
	Mimo 2x2:2, Wireless speed/throughput 2.4GHz: 0.575Gbps ,5GHz: 2.4Gbps Frequency band 2.4 GHz & 5 GHz (IEEE 802.11 a/n/ac/ax) Bandwidth 20, 40, 80, 160 MHz Conducted typical transmit output power: 23/23dBm Band Steering Supports 300+ concurrent Wi-Fi client devices Encryption AES/WPA/WPA2/WPA3-PSK Authentication WPA/WPA2-Enterprise/ EAP/ IEEE 802.1X/ RADIUS authentication Access management L2-isolation/ MAC filtering/ Rogue AP detection The AP must be capable of switching the working mode without need of any additional licensing. Working mode FIT (Controller based), CloudAP (Cloud Controller AP) Batch ap configuration, Web UI/CLI Mounting /Wall/Ceiling Operating temperature: 0°C to +50°C 1- Year on site comprehensive (free parts and labor) warranty	

UPS

27. Online UPS 20 KVA(10kva+10kva) with Batteries

SN	Product Line: (10kva+10kva) International Renowned Brands Only	Qty
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27	3 Phase, 380/400/415 V $\pm 15\%$, output 3 Phase, 380/400/415 V, battery type VRLA (Valve Regulated Lead Acid) or Li-ion, voltage 240–384 VDC, Backup Times 40 minutes or higher, Recharge time 8 hours to 90%, display type LCD / LED Touchscreen, Real-time monitoring of input/output/battery, communicating ports RS232, RS485, USB, SNMP, Dry Contacts/rj45, Noise Level < 60 dB @ 1 meter, External Battery Cabinets, SNMP Network Card, Parallel Redundancy (N+1), Maintenance Bypass Switch, Remote Monitoring, Input/output Overvoltage and Undervoltage Protection, Short Circuit Protection, Overload Protection, Battery Deep Discharge Protection, Surge Protection 1- Year on site comprehensive (free parts and labor) warranty	2
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Switches

28. Layer 3 Modular Core Switch with 48 10 G Ports

SN	Product Line: Layer 3 Modular Core Switch with 48 10 G Ports International Renowned Brands Only	Qty
28	48 × 1/10G SFP+, 2 × QSFP+ (40GE, splittable to 4 × 10GE), Fan Tray 2, dual hot swappable power supply , Switching Capacity 1.44 Tbps or higher, Forwarding Rate 1,050 Mpps or higher, System Capacity 2.56 Tbps or higher, CPU/Memory StorageDual-core 1.6 GHz; 2 GB SDRAM; 1 GB Flash; 10 MB packet buffer, Management Interfaces Console, Management Ethernet, USB, Max 10GE Ports (w/ Splitter) Up to 72 × 10GE, Spanning Tree Protocol (STP) Standard 802.1d, 802.1w and 802.1s, Should have 4K or more VLANs support and 32K MAC address entries, HTTP/HTTPS & SNMP v1/2/3 Support, Port –based and 802.Q tag-based VLANs. Should Support Time & Vlan Based ACLs. In addition, the switch must be capable of configuring the bidirectional ACLs. CPU: Dual-core, 1.6 GHz or higher,Memory: 2 GB or higher SDRAM,Flash Storage: 1 GB or higher,Packet Buffer: 10 MB or higher, VXLAN (L2 switching, L3 routing, VTEP),EVPN (via MP-BGP),SDN (OpenFlow),Dynamic & static routing (OSPF, BGP, IS-IS, RIP, VRRP, ECMP),Jumbo frames, port mirroring, extensive security policies (802.1X, ACLs, SSH, RADIUS, etc.) VXLAN, EVPN, OSPF, BGP, others; strong security and routing support, SFP included loaded 1- Year on site comprehensive (free parts and labor) warranty	1

29. Layer 2 Access Switches 24 X 1G RJ45 Ports Access Switches with redundant 10G SFP+ uplinks

SN	Product Line: Layer 2 Manageable Switch (24 Giga Ports) International Renowned Brands Only	Qty
29	24-Port 10/100/1000 Base-T Ethernet Ports and 4 x 10GE SFP+ Ports (Loaded with 2 x Single mode Long Range (10Km) 10G SFP+ Transceiver modules). SFP included loaded	30
	Note: SFPs must be of the same OEM Brand that of quoted Switch	
	Should have 126 Gbps or more port switching capacity	
	Forwarding rate should be more than 95Mpps	

Should be a Manageable Switch with Layer-3 features such as RIP, RIPng, OSPF & OSPFv3	
Should support IPv4 routing entries 6K or higher	
Should support Stacking of local and remote devices through standard Ethernet interfaces. Should support stacking of 9 switches or more.	
Integrated with IEEE 802.1X port security to control access to network, Denial-of- Service (DoS) attack prevention. IP Source Guard, AAA, RADIUS, 802.1x and Centralized MAC Based Authentication, DHCP Snooping etc	
IPv6/IPv4 support	
Switch CPU must be Dual Core, 990MHz or higher	
Should have 4K or more VLANs support and 32K MAC address entries	
Switch RAM must be 1GB or higher	
Switch Flash must be 512MB or higher	
Spanning Tree Protocol (STP) Standard 802.1d, 802.1w and 802.1s	
Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP)	
Port –based and 802.Q tag-based VLANs. Should Support Time & Vlan Based ACLs. In addition, the switch must be capable of configuring the bidirectional ACLs.	
QoS Support 8 Queues Per Port, Traffic classification based on IEEE 802.1p DSCP, CAR, TCP/UDP Port Number, Access Control List	
Port Mirroring, RSPAN or equivalent must be supported	
MAC Binding/Port Security	
Management VLAN	
GVRP Support	

	Support 12000bytes or larger Jumbo Frame	
	Should provide embedded free NMS with Intelligent operation and Centralized management features or bidder may quote separate Solution to support the required feature	
	Web/SSL, Telnet server/SSH, Ping, Trace route, Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), Simple Network Management Protocol (SNMP)V2-3, Remote Authentication Dial-In User Service (RADIUS), Syslog, DNS client, DHCP client, DHCP Support.	
	All Layer 2 and tag switching traffic support	
	HTTP/HTTPS & SNMP v1/2/3 Support	
	Supports IEEE 802.3az on all copper Gigabit Ethernet ports	
	Software update patches required, whenever available during support period	
	Operating temperature: -5°C ~ 50°C	
	1- Year on site comprehensive (free parts and labor) warranty	

30. Layer 2 Access Switches 16X 1G RJ45 Ports Access Switches with redundant 10G SFP+ uplinks

SN	Product Line: Layer 2 Manageable Switch (16 Giga Ports) International Renowned Brands Only	Qty
30	16-Port 10/100/1000 Base-T Ethernet Ports and 4 x 10GE SFP+ Ports (Loaded with 2 x Single mode Long Range (10Km) 10G SFP+ Transceiver modules).SFP included loaded Note: SFPs must be of the same OEM Brand that of quoted Switch Should have 126 Gbps or more port switching capacity Forwarding rate should be more than 95Mpps Should be a Manageable Switch with Layer-3 features such as RIP, RIPng, OSPF & OSPFv3 Should support IPv4 routing entries 6K or higher	5

	Should support Stacking of local and remote devices through standard Ethernet interfaces. Should support stacking of 9 switches or more.	
	Integrated with IEEE 802.1X port security to control access to network, Denial-of- Service (DoS) attack prevention. IP Source Guard, AAA, RADIUS, 802.1x and Centralized MAC Based Authentication, DHCP Snooping etc	
	IPv6/IPv4 support	
	Switch CPU must be Dual Core, 990MHz or higher	
	Should have 4K or more VLANs support and 32K MAC address entries	
	Switch RAM must be 1GB or higher	
	Switch Flash must be 512MB or higher	
	Spanning Tree Protocol (STP) Standard 802.1d, 802.1w and 802.1s	
	Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP)	
	Port –based and 802.Q tag-based VLANs. Should Support Time & Vlan Based ACLs. In addition, the switch must be capable of configuring the bidirectional ACLs.	
	QoS Support 8 Queues Per Port, Traffic classification based on IEEE 802.1p DSCP, CAR, TCP/UDP Port Number, Access Control List	
	Port Mirroring, RSPAN or equivalent must be supported	
	MAC Binding/Port Security	
	Management VLAN	
	GVRP Support	
	Support 12000bytes or larger Jumbo Frame	
	Should provide embedded free NMS with Intelligent operation and Centralized management features or bidder may quote separate Solution to support the required feature	

	Web/SSL, Telnet server/SSH, Ping, Trace route, Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), Simple Network Management Protocol (SNMP)V2-3, Remote Authentication Dial-In User Service (RADIUS), Syslog, DNS client, DHCP client, DHCP Support.	
	All Layer 2 and tag switching traffic support	
	HTTP/HTTPS & SNMP v1/2/3 Support	
	Supports IEEE 802.3az on all copper Gigabit Ethernet ports	
	Software update patches required, whenever available during support period	
	Operating temperature: -5°C ~ 50°C	
	1- Year on site comprehensive (free parts and labor) warranty	

FIREWALL

31. Next Generation Firewall with 10G ports

SN	Product Line: Firewall	International Renowned Brands Only	Qty
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31	Next Generation Firewall, Network Services, URL Filtering, Firewall, Data Security, Application Control, Intrusion Prevention, Botnet C&C Prevention, Quality of Service (QoS), IP Reputation, Cross Site Scripting, SQL Injection Attacks, SQL Injection, HTTP Slow Attacks, CC Attacks, Abnormal Extraneous etc., Load Balancing, Antivirus, SSL Decryption, Attack Defense, VPN, Logs & Reporting, High Availability, Statistics and Monitoring, User and Device Identity, AI Based, Administration. - Must support multiple NAT technologies such as Many-to-one NAT, Many-to-many NAT, One-to-one NAT, Source and Destination NAT, NAT support for DNS, NAT ALG including DNS, FTP, H.323, ILS, MSN, NBT, PPTP, and SIP. - Should support L2TP VPN, IPSec VPN, GRE VPN, SSL VPN. - Should support Active/active and active/standby stateful failover, IKE state synchronization in IPsec VPN, VRRP. - FW Throughput: 65 Gbps or Above - IPSec Throughput: 52 Gbps or Above	01
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- IPS Throughput: 12 Gbps or Above - NGFW Throughput: 11 Gbps or Above - Threat Protection Throughput (IPS, DPI and AV module enabled): 9 Gbps or Above - New Sessions/s: 500K or Above - Concurrent Sessions: 7.8 million or Above - IPSec Tunnel Number: 3000+ or Above - SSL inspection throughput 8Gbps - Application Control throughput 30Gbps - Storage Options: Optional SSD (450GB or higher),-Dual power -Interfaces 8 x 10GE SFP+ ,16 x GE RJ45 ,6 x 1GE SFP, Local Storage Should be offered with 1-year IPS, Advanced Malware Protection, Sandboxing, Application Control, URL , Antispam Service and support for 1- Year on site comprehensive (free parts and labor) warranty	
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IGW Routers

32. Internet Gateway Modular Router

SN	Product Line: Internet Gateway Modular Router	International Renowned Brands Only	Qty
32	Console Port: 1 ,Management Ethernet Port: 1,10/100/1000BASE-T (copper): 12 ports,10GBASE-R SFP+ (fiber): 20 Portus: 1 × USB 3.0 (host, Type-A),FIP Expansion Slot: 1 (FIP-30),PCI-E Expansion Slot: 1 (PCIe 3.0 ×16), 8 GB DDR4 RDIMM or higher, 696 Gbps switching; up to 360 Mpps forwarding or higher, 8-core 2.5 GHz vs. 12-core 2.3 GHz, GPU support or higher, Hot-swappable fans/power, switching Capacity,696 Gbps or higher, Packet Forwarding Rate 300 Mpps or higher, IP Forwarding (IMIX)~30 Gbps or higher, Forwarding (With ACL+NAT+QoS)~35 Gbps or higher, IPSec Throughput (1400-byte)~18 Gbps or higher 1- Year on site comprehensive (free parts and labor) warranty		01

HARDWARE FOR DIGITAL LIBRARY

33. Computer with LED

SN	Product Line: Computer Core I-7 LED International Renowned Brands Only	Qty
33	Core™ i7 Processors Tower, 13th Generation, X64, 32 GB Installed DDR4 SD, 1TB NVME SSD, Gigabit Supported+ External USB WI-FI Network Controller, Licensed Microsoft Windows 11, USB ports 3.0 /3.1,display type VGA, HDMI,keyboard/mouse/bagincluded Minimum 21" Borderless LED- screen, Full HD (1080p) 1920 x 1080 at 60 Hz, 16.7 million colors,Display port VGA/HDMI, 75 Hz refresh rate, 4 ms response time 1- Year on site comprehensive (free parts and labor) warranty	30

34. LaserJet Printers B&W

SN	Product Line: Laserjet Printers B&W International Renowned Brands Only	Qty
34	30 or above pages per minute (ppm), print resolution of 1200 x 1200 dpi or above, 200 or above -sheet input tray and a 100 or above -sheet multipurpose tray, duplex printing, Connectivity options include USB 2.0, dual-band Wi-Fi, and Wi-Fi Direct, 1000 MHz or above processor 1- Year on site comprehensive (free parts and labor) warranty	2

Hardware for Teaching and Administrative Department

35. Computer with LED

SN	Product Line: Computer Core I-7 LED International Renowned Brands Only	Qty
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35	Core™ i7 Processors Tower, 13th Generation, X64, 32 GB Installed DDR4 SD, 1TB NVME SSD, Gigabit Supported+ External USB WI-FI Network Controller, Licensed Microsoft Windows 11, USB ports 3.0 /3.1,display type VGA, HDMI,keyboard/mouse/bagincluded Minimum 21" Borderless LED- screen, Full HD (1080p) 1920 x 1080 at 60 Hz, 16.7 million colors,Display port VGA/HDMI, 75 Hz refresh rate, 4 ms response time	30
	1- Year on site comprehensive (free parts and labor) warranty	

36. LaserJet Printers B&W

SN	Product Line: Laserjet Printers B&W International Renowned Brands Only	Qty
36	30 or above pages per minute (ppm), print resolution of 1200 x 1200 dpi or above, 200 or above -sheet input tray and a 100 or above -sheet multipurpose tray, duplex printing, Connectivity options include USB 2.0, dual-band Wi-Fi, and Wi-Fi Direct, 1000 MHz or above processor 1- Year on site comprehensive (free parts and labor) warranty	10

37. LaserJet Printer B/W Medium Duty

SN	Product Line: Laserjet Printers International Renowned Brands Only	Qty
37	Print only, Monthly duty cycle 60,000 pages or higher, PRINT RESOLUTION 1200 x 1200dpi or higher, Print Speed 40 ppm or higher, Hi-Speed USB 2.0 port; built-in Fast Ethernet 10/100Base-TX network port, Processor speed 1200 GHz or higher, memory 1GB or Higher,Duplex printing, sizes A4; A5; A6; custom, Compatible operating systems WINDOWS 11; WINDOWS 10; WINDOWS 8; WINDOWS 8.1; WINDOWS 7 1- Year on site comprehensive (free parts and labor) warranty	10

38. High end scanner

SN	Product Line: Scanners International Renowned Brands Only	Qty
38	Scanner Type Flatbed with Single-pass Duplex ADF, ADF Capacity 100 sheets or higher , Scan Speed 40 ppm / 80 ipm (duplex, A4/Letter) or higher, Optical Resolution 600 dpi or higher Daily Duty Cycle 4,000 pages or higher per day, Supported Paper Sizes A4, A5, A6, B5, Letter, Legal, custom sizes, Connectivity Options USB 3.0, Gigabit Ethernet, Wi-Fi, Output Formats PDF, JPEG, PNG, TIFF, searchable/editable formats, 1- Year on site comprehensive (free parts and labor) warranty	2

HARDWARE FOR RESAERCH LABS

39. Computer Core I-7 with LED

SN	Product Line: Computer Core I-7 LED Monitors & Wifi Card	International Renowned Brands Only	Qty
39	Core™ i7 Processors 13th Generation, X64, 32 GB Installed DDR4 SD, 1TB NVME SSD, Gigabit Supported+ External USB WI-FI Network Controller, Licensed Microsoft Windows 11, USB ports 3.0 /3.1,display type VGA, HDMI,keyboard/mouse/ Minimum 21" Borderless LED- screen, Full HD (1080p) 1920 x 1080 at 60 Hz, 16.7 million colors,Display port VGA/HDMI, 75 Hz refresh rate, 4 ms response time 1- Year on site comprehensive (free parts and labor) warranty		20

40. LaserJet Printers

SN	Product Line: LaserJet Printer	International Renowned Brands Only	Qty
40	30 or above pages per minute (ppm), print resolution of 1200 x 1200 dpi or above, 200 or above -sheet input tray and a 100 or above -sheet multipurpose tray, duplex printing, Connectivity options include USB 2.0, dual-band Wi-Fi, and Wi-Fi Direct, 1000 MHz or above processor 1- Year on site comprehensive (free parts and labor) warranty		12

41. Documents Scanners

SN	Product Line: Documents Scanners	International Renowned Brands Only	Qty
41	Legal Flatbed with ADF (Color, B&W, Grayscale), 20 ppm or higher, Color/Dual CCD/CIS (Gray scale output bit depth is 256 levels, 24bit) or higher, 2400 dpi or higher, ax size Legal through flatbed, 50 sheets 80 g/m2 or 20lb or higher, connectivity USB 2.0, OS Compatibility Windows 11/10/8, 1- Year on site comprehensive (free parts and labor) warranty		12

OBJECT CODE A-09202 COMPUTER SOFTWARE

42. Laboratory Software (For Research Labs.)

SN	Product Line: Laboratory Software International Renowned Brands Only	Qty
42	General Specifications: - Integrated LIMS covering all research and diagnostic labs (basic sciences, clinical sciences, microbiology, pharmacology, molecular biology, pathology, etc.) - Modular, scalable, and customizable architecture to support expansion and Integration with futuristic approach. - Multi-user, multi-location support with centralized Data Collection.	1

• Cloud-ready with hybrid deployment options (on-premises + cloud) • User-friendly interface with role-based access, Seamless integration with Hospital Information System (HIS), ERP, PACS, EMR/HER if needed. • Capable of integrating different types of biomedical equipment with different embedded software. Modular Requirements: • Booking/Order Management: lab investigation request, when it was received, verification of payment, turnaround time, prioritize requests etc. • Sample Management: Registration, barcoding/QR coding, sample tracking etc. • Workflow Management: Assignment, monitoring, results validation and tracking • Data Management: Secure storage of raw data, metadata, reports etc • Inventory & Reagent Management: Real-time stock, expiry alerts, auto reordering etc • Lab Scheduling, Clinical Trials Management: : Instruments booking, usage tracking, and maintenance logs etc • Quality Control: Automatic QC checks, calibration logs, SOP compliance or any other QC customization • Research Data Repository: Digital library for publications, datasets, protocols and capable of finding, accessing and reuse of research data. • Management Dashboards and Reporting: Provide Comprehensive dashboard management and reporting with different modular views (qualitative, quantitative, graphical) etc. Technical Specifications: • Architecture: Web-based, 3-tier architecture with API-first design. • Database Support: PostgreSQL / Oracle / MS SQL (RDBMS). • Browsers Supported: Chrome, Firefox, Edge. • Security: End-to-end encryption minimum (AES-256), SSL/TLS for data in transit, Role-based access control (RBAC) and two-factor authentication (2FA) if needed, capable of running Audit trails. • Backup & Recovery: Auto-backup, disaster recovery. Compliance Requirements • Data Privacy: HIPA, GDPR. • Health Care Interoperability: HL7, FHIR. • LAB Accreditation: ISO 15189, ISO/IEC 17025 (May needed in future) Advanced Features:	
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	• AI/ML support for research data analytics (big data). • Collaboration tools for local and international researchers. • Workflow automation and electronic signatures (per FDA 21 CFR Part 11). • Multilingual interface (English, Urdu etc.) Training and Support: • Installation, configuration, and customization and integration. • Vendors must provide on-site training for end users, lab staff, and administrators. • Documentation (user manuals, Training Videos and SOPs) 1 year SLA support/maintenance/integration and training	
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43. University Research Training and Monitoring software RTMS)

SN	Product Line: University Research and Training Monitoring software (RTMS)	International Renowned Brands Only	Qty
43	Centralized platform for training management, research project tracking, supervision & assessment, M&E dashboards, and regulatory reporting. Functional/Modular Requirements: Researcher Profile & Digital Portfolio: Unified profile (demographics, enrollment, program, thesis topic, supervisors). Portfolio, logbook, procedures performed, simulation hours, attendance, competencies, reflections. Training and Curriculum Management: Program structures (rotations, competencies, milestones, EPAs). Workshop/course scheduling, capacity, attendance, and assessment. Supervision, Progress and Milestones: Thesis/project lifecycle, Annual/Semester reviews, Annual/Semester reviews. Monitoring and Evaluation: KPI aligned Targets, completion rates, time-to-degree, publications per capita, funding utilization, ethics cycle-time, surveys (student/supervisor), 360° feedback, course evaluations and training impact. Research Project Registry: Project registry with metadata (domain, population, methodology, trial phase). Risk flags (data, ethics, safety), Gantt timelines, budget tracking. Document vault (protocols, approvals, CRFs, ICFs). Ethics/IRB Workflow: Submission, review rounds, determinations, continuing review, deviations/SAEs logging.		1

	Publication and outputs: Publications (link to DOI/PMID), conference papers, posters, patents, datasets. Plagiarism checking integration (Turnitin). Clinical Trials Linkage: customization if needed Reporting, Analytics and Dashboards: Enrollment & pipeline, training attendance, competency attainment. Milestone status, supervisor load, IRB cycle times. Publications per program/department; trials dashboard. Student progress sheets. KPI, degree vs target base dashboards as per role. 1 year SLA support/maintenance/integration and training	
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OBJECT CODE A-09203 IT Equipment

44.IP PBX

SN	Product Line: IP PBX International Renowned Brands Only	Qty
44	IP PBX Configuration support up to 1000 users for future expansion including license 24FXO ports and one E1 port 16 two line IP phone with color display and Gig Interface and CLI supported 600 analog with CLI display Rack for the mounting of system Latest features built in conference in IPPBX to support 12 parties in a conference. IPPBX should support the convergence of IP and analog system. 1- Year on site comprehensive (free parts and labor) warranty	1

45.IP Set

SN	Product Line: IP SET International Renowned Brands Only	Qty
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45	P Phone with 3 Lines, 6 SIP Accounts, Backlit LCD Display (132×64 pixels), Dual Gigabit Ethernet Ports with Integrated Switch, Power Options: External Adapter or PoE IEEE 802.3af (GRP2604P), HD Audio on Handset & Speakerphone, 5-Way Audio Conferencing Support, Call Features: Hold, Transfer, Forward, Call Waiting, BLF, DND, Auto Answer, Security: TLS, SRTP, HTTPS, 802.1X, Encrypted Config, Management via GDMS, TR-069, Zero-Config, XML Provisioning, Headset Support: RJ9 + EHS (Plantronics/Jabra/Sennheiser), Keys: 3 Line Keys with Dual-Color LEDs, 1-Year on site comprehensive (free parts and labor) warranty	100
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46. Multimedia Projectors

SN	Product Line: Multimedia Projector	International Renowned Brands Only	Qty
46	Maximum Resolution 2k or higher supported/WUXGA/Full HD, Aspect Ratio 16X10, Brightness (maximum) Lumens 5000 or higher, Contrast Ratio (typical) ,Dynamic Contrast (3,000,000:1), Input 2x HDMI (HDCP 2.2)- 1x HDBaseT- VGA, USB-A/B (service & playback), Video Modes720p, 1080i, 1080p/60, 576i, 576p, 480p, 480i/1920x1200, Built-In Speaker, Lamp Type Laser, Lamp Life 20,000 hours, Lens ShiftHorizontal +/-30% & Vertical +50% / -10%,Digital Keystone Horizontal & Vertical, Throw Distance 2.5 m - 15.7 m, Power456 Watts 100V240V,Network: RJ-45, RS232: DB-9pinUSB, Lense Adjustment Motorized and manual		2
	1- Year on site comprehensive (free parts and labor) warranty		

47. Multimedia Screens

SN	Product Line: Multimedia Screens	International Renowned Brands Only	Qty
47	10 ft (3.05 m) wide × 8 ft (2.44 m) high, white matte surface, suitable for HD/4K projection, black backing, motorized operation, wall mount,		2
	1- Year on site comprehensive (free parts and labor) warranty		

FURNITURE

S. N o	Item Name with specifications	A/U	Qty
1	Office Table Dimensions: 53" (L) × 27" (W) × 30" (H) Design: Modern two-tone color finish. Material: High-quality Al-Noor tactile laminated MDF. Storage Features: Three spacious drawers on imported smooth-sliding channels. Upper drawer lockable for secure storage. Wire management cup for organized cable handling. Edging: Premium PVC edging all around for durability and neat finishing. Hardware: Durable handles with a contemporary look. Adjustable gliders at base for proper leveling. Subject to sample approval	Nos	35
2	Revolving Chairs Type: Imported high-back revolving chair with ergonomic design Features: Adjustable headrest Padded seat and back with high-density foam with PU cover underneath. Upholstery: PU cover (durable, easy to maintain) Aluminum five-star base with smooth-rolling wheels. Multiple position locking system with double lever mechanism. High-quality gas lift cylinder for adjustable seat height. Lumbar support. Must be suitable for maximum comfort during long working hours. Subject to sample approval.	Nos	25
3	Office Chair Structure: Solid and seasoned Sheesham wood frame Seat & Back: Upholstered with A-grade Master Molty foam for comfort and resilience Upholstery: High-quality leatherette (minimum Rs. 1,500 per meter) for premium finish and long-lasting use Finish: Exposed wooden parts polished with ICI lacquer and sealer for smooth, elegant appearance Subject to sample approval	Nos	140

4	Classroom Chair with Foldable Arm Frame: Complete structure made of MS round pipe (1.25", 18-gauge), strong and durable Seat & Back: Upholstered with A-grade high-density foam for comfort Upholstery: Premium leatherette (minimum Rs. 1,500 per meter) for durability and easy maintenance Writing Arm: Foldable wooden armrest-made of solid and seasnoedsheesham wood Finish: Powder-coated frame for long-lasting protection and neat appearance	Nos	200
5	Rostrum: Size: Standard height (suitable for presentations and lectures) Design: Two-tone color finish for a modern look Material: High-quality Al-Noor tactile laminated MDF Edging: PVC edging all around for durability and clean finishing Features: Built-in wire management system for neat connectivity Dedicated space for CPU placement Provision for screen/monitor installation Finish: Smooth and professional, ideal for classrooms, auditoriums, and conferences	Nos	12
6	White Board Size: 8'x4' Frame made of MS iron pipe 1.5"x1.5", 18 guage, powder coated, made made of UV super gloss AL-Noor.	Nos	12
7	Lockers Dimensions: 30" (H) × 12" (W) Design: Two-tone color scheme for a modern look Material: High-quality Al-Noor tactile laminated MDF Edging: PVC edging for durability and neat finishing Features: Equipped with sturdy handles and lock	Nos	100

8	Reception Counter with Chair Dimensions: 96" (L) × 48" (W) × 48" (H) Design: Modern two-tone color finish. Material: High-quality Al-Noor tactile laminated MDF. Storage Features: Three spacious drawers, on both side, on imported smooth-sliding channels. Upper drawer lockable for secure storage. Wire management cup for organized cable handling. Edging: Premium PVC edging all around for durability and neat finishing. Hardware: Durable handles with a contemporary look. Subject to sample approval.	Nos	1
9	Auditorium Chair Structure: Heavy-duty MS tubular frame, powder-coated for durability and rust resistance Seat & Back: Ergonomically designed for long sitting comfort Upholstered with A-grade high-density foam Covered with premium-quality fabric or leatherette (customizable, Rs. 1500 per meter) Tablet Arm: Foldable writing tablet made of high-quality laminated MDF or engineered wood Fixed on die-cast support for strength and smooth operation Features: Tip-up seat with noiseless spring action mechanism Strong side arms with integrated support for tablet Floor-fixed for stability in auditoriums, lecture halls, and seminar rooms Finish: Powder-coated steel frame with polished upholstery and fine stitching for a professional look		800
10	Air Conditioners 4 tons floor standing , inverter heat and cool, T3, 48000BTUs, installation at site, including extra copper pipe 22 gauge mullar, if needed and drainage pipe.		30

11	Exam Hall Chair Frame: Strong MS round pipe frame, powder-coated for durability Seat & Back: Single-shell design made of high-quality molded plastic Ergonomic shape for comfort during long exams Tablet Arm: Integrated writing tablet arm, durable and easy to use Foldable or fixed (as per requirement) Features: Lightweight yet sturdy construction Easy to arrange and maintain in large examination halls Available in multiple color options for seat and back		350
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S. No	Item Name with specifications	A/U	Qty
1	Executive Office Table with Side Rack and Executive Chair (Set) Executive Table Dimensions: 72" (L) × 36" (W) × 30" (H) Top: Solid Sheesham wood panels, 4" wide × 1" thick Three leatherette inlays (premium quality leatherette, minimum Rs. 1,500/meter) Structure: Rest of the body in high-quality Sheesham veneer MDF (grade 777) Complete unit edging finished with solid Sheesham wood for durability and aesthetics Storage Features: Separate mobile pedestal with three lockable drawers (with handle and central locking system) Keyboard tray (smooth sliding) Dedicated CPU compartment Adjustable gliders at base for proper leveling. Side Rack Dimensions: 42" (L) × 20" (W) × 30" (H) Top: Solid Sheesham wood panels, 4" wide × 1" thick with leatherette inlays (premium quality leatherette, minimum Rs. 1,500/meter) Storage Features: One lockable drawer One open shelf for books/files Additional storage compartments for efficient organization Finish: Matching Sheesham veneer MDF with solid Sheesham edging Adjustable gliders at base for proper leveling. Executive Chair Type: Imported high-back revolving chair with ergonomic design Features:	Set	10

	Adjustable Padded seat and back with high-density foam Upholstery: PU cover (durable, easy to maintain) Aluminum five-star base with smooth-rolling wheels Multiple position locking system with double lever mechanism High-quality gas lift cylinder for adjustable seat height Designed for maximum comfort during long working hours Subject to sample approval		
2	Office Table Dimensions: 53" (L) × 27" (W) × 30" (H) Design: Modern two-tone color finish. Material: High-quality Al-Noor tactile laminated MDF. Storage Features: Three spacious drawers on imported smooth-sliding channels. Upper drawer lockable for secure storage. Wire management cup for organized cable handling. Edging: Premium PVC edging all around for durability and neat finishing. Hardware: Durable handles with a contemporary look. Subject to sample approval. Adjustable gliders at base for proper leveling.	Nos	20
3	Revolving Chairs Type: Imported high-back revolving chair with ergonomic design Features: Adjustable headrest Padded seat and back with high-density foam with PU cover underneath. Upholstery: PU cover (durable, easy to maintain) Aluminum five-star base with smooth-rolling wheels. Multiple position locking system with double lever mechanism. High-quality gas lift cylinder for adjustable seat height. Lumbar support. Must be suitable for maximum comfort during long working hours. Subject to sample approval.	Nos	10
4	Office Chair Wooden. Structure: Solid and seasoned Sheesham wood frame Seat & Back: Upholstered with A-grade Master Molty foam for comfort and resilience Upholstery: High-quality leatherette (minimum Rs. 1,500 per meter) for premium finish and long-lasting use Finish: Exposed wooden parts polished with ICI lacquer and sealer for smooth, elegant appearance Subject to sample approval	Nos	25

5	Office Chair Steel Frame. imported office visitor chair; Frame: Sturdy SS (stainless steel) rectangular frame for durability and modern look Type: Imported visitor chair Seat & Back: Padded with high-quality foam for comfort Upholstery: Neat fabric/leatherette finish (customizable as per requirement) Design: Sleek and professional appearance, suitable for offices and reception areas	Nos	100
6	File Rack Dimensions: 60" (H) × 36" (W) × 16" (D) Design: Modern two-tone color finish Material: High-quality Al-Noor tactile laminated MDF Storage Features: Four spacious shelves Edging: Premium PVC edging all around for durability and neat finishing Hardware: Durable handles with a contemporary look Subject to sample approval	Nos	5
7	Steel File cabinet Dimensions: 54" (H) × 24" (W) × 24" (D) Material: High-quality MS sheet, 18-gauge Storage: Four drawers with smooth sliding on imported ball-bearing channels Each drawer equipped with handle and central locking system Base/Footing: L-shaped footing, 3" wide, made of 14-gauge steel for stability Finish: Complete unit finished with powder coating for durability and corrosion resistance preferably white color. Subject to sample approval	Nos	50
8	Center Table Size: 48"x24" Side table: 24"x24" Material: High-quality laminated tactile MDF (Al-Noor brand) Edging: Durable PVC edging for protection and neat finish Design: Modern two color tone. Subject to sample approval	Nos	4
9	Computer Table Dimensions: 48" (L) × 24" (W) × 30" (H) Design: Two-tone color finish for modern appearance Material: High-quality Al-Noor tactile laminated MDF Edging: PVC edging all around for durability and neat finish Features: One smooth-sliding keyboard tray Dedicated mouse tray CPU compartment/box One lockable drawer for secure storage Wire management cup for organized cable handling Subject to sample approval. Adjustable gliders at base for proper leveling.	Nos	30

10	Computer Chair Type: Imported medium-back revolving chair with ergonomic design Features: Padded seat and back with high-density foam with PU cover underneath Upholstery: PU cover (durable, easy to maintain) PU five-star base with smooth-rolling wheels Multiple position locking system with double lever mechanism High-quality gas lift cylinder for adjustable seat height lumbar Support Must be suitable for maximum comfort during long working hours Subject to sample approval	Nos	30
11	Workstation with Chairs. (Computer Chair) Dimensions: 96" (L) × 48" (W) × 30" (H) Top: 32mm Al noor MDF tactile. Design: Two Color Tone Structure: Heavy-duty MS pipe (1" × 3") frame, powder-coated in matte finish for durability and aesthetics Storage: 4 drawer units, each consisting of 3 lockable drawers with handles. Partition: Top partition with soft board and Projects Fabric Finish: High-quality powder-coated surface for long-lasting protection. Wire management cup for organized cable handling. Adjustable gliders at base for proper leveling.	Nos	25

AIR CONDITIONERS

Technical Specifications: Air Conditioners (ACs – Heat & Cool Inverter Type)

Type:

- Split Inverter (Wall-Mounted) – for 1.5 Ton and 2.0 Ton units
- Floor Standing Inverter – for 4.0 Ton units
- All units must be **Heat & Cool (reverse cycle) models**

Refrigerant:

- Only **R-410A refrigerant** (non-flammable, eco-friendly, safe for medical & lab environments).

Estimated Price:

- **1.5 Ton Heat & Cool DC Inverter Split Rs. 210,000 per unit** (inclusive of installation).
- **2.0 Ton Heat & Cool DC Inverter Split AC 260,000 per unit** (inclusive of installation).
- **4.0 Ton Heat & Cool DC Inverter Floor Standing AC 450,000 per unit** (inclusive of installation).

1.5 Ton Split Inverter AC

- **Function:** Cooling & Heating (Heat & Cool Inverter Technology)
- **Compressor:** High-efficiency dual inverter rotary
- **Power Supply:** 220-240V / 50Hz, single phase
- **Cooling/Heating Range:** Operable up to 50°C ambient temperature
- **Energy Efficiency:** SEER ≥ 18, Energy Star certified
- **Filters:** HEPA + PM2.5 + Anti-bacterial filter system
- **Noise Level:** ≤ 42 dB indoor
- **Warranty:** 3 years compressor, 1 year parts & service
- **Installation:** Included (piping up to 10 feet, wiring, mounting kit)

2.0 Ton Split Inverter AC

- **Function:** Cooling & Heating (Heat & Cool Inverter Technology)
- **Compressor:** Dual inverter scroll/rotary type
- **Power Supply:** 220-240V / 50Hz, single phase
- **Cooling/Heating Range:** Operable up to 50°C
- **Energy Efficiency:** SEER ≥ 18
- **Filters:** Multi-stage filtration with activated carbon + anti-fungal coating
- **Noise Level:** ≤ 45 dB indoor
- **Warranty:** 3 years compressor, 1 year parts & service
- **Installation:** Included (piping up to 15 feet, wiring, commissioning)

4.0 Ton Floor Standing Inverter AC

- **Function:** Cooling & Heating (Heat & Cool Inverter Technology)
- **Compressor:** High-performance dual inverter scroll
- **Power Supply:** 380-415V / 50Hz, three phase
- **Cooling/Heating Range:** Ambient up to 52°C
- **Energy Efficiency:** SEER $\geq$ 16
- **Airflow:** 4-way auto swing with high CFM for large halls
- **Filters:** Industrial-grade PM2.5 + Anti-bacterial filter system
- **Noise Level:** $\leq$ 48 dB indoor
- **Warranty:** 3 years compressor, 1 year parts & service
- **Installation:** Included (copper piping, wiring, gas charging, accessories)

Special Conditions for Procurement

1. **Refrigerant:** All units must use **R-410A refrigerant**. Units with R-22 or any other refrigerant will not be accepted.
2. **Site Visit Requirement:** *Every participating vendor must conduct a site visit of the laboratories prior to submitting quotations to ensure accurate pricing, as no additional charges will be entertained beyond the tendered price in lieu of any installation components.*
3. **Installation:** Complete installation (including piping, wiring, brackets, commissioning, and accessories) must be included in the quoted price. No additional payments will be made post-supply.