

**Tender No. 08/2025**

**THE UNIVERSITY OF CHAKWAL,  
CHAKWAL**



**TENDER DOCUMENT**

**For**

**PURCHASE OF MEDICAL & LABORATORY  
EQUIPMENT'S**

**Deputy Director (P&S)  
Directorate of Purchase and Store  
Ph. No.: 0543-552511  
Email: [dd.procurement@uoc.edu.pk](mailto:dd.procurement@uoc.edu.pk)**

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# THE UNIVERSITY OF CHAKWAL

Directorate of Purchase and Store  
Main Campus, Talagang Road, Chakwal

## **Tender Notice**

Sealed tenders/ bids are invited from the registered firms / companies / corporations / bidders for following Tender on the basis of **Single Stage (Two Envelope Procedure)** in terms of Rule No. **38 2(a)** of the Punjab Procurement Rules 2014 (PPRA Rules 2014).

Tender No.	Tender Name	Package No.	Budgetary Amount	Amount of Bid Security	QTY
08/2025	Purchase of Medical & Laboratory Equipment's	01	39.786 million	795,720/-	Details in Tender Document

- Tender Document will be available immediately after publishing of this Tender Notice under Rule No. 25(1).
- Tender/Bid Document is available on [www.uoc.edu.pk](http://www.uoc.edu.pk) or [www.eproc.punjab.gov.pk](http://www.eproc.punjab.gov.pk) or e-PADS (e-Pak Acquisition & Disposal System) <https://punjab.eprocure.gov.pk> free of cost.
- The Bid Security which is equal to 2% of Budgeted Cost, in the form of "CDR / Bank Draft / Pay Order" in favor of "Treasurer, University of Chakwal" and Affidavits demanded in tender documents shall be provided by the bidders before the closing time. A scanned copy of the Bid Security must be uploaded in PDF format without which the offer shall be rejected as non-responsive.
- Bids without supporting documents, undertaking, valid documentary evidence, and bids not conforming to terms and conditions given in the Tender Document will be liable for rejection.
- Bids should be submitted thorough e-PADS (e-Pak Acquisition & Disposal System), and the same should be opened online as per mentioned schedule in the presence of Bidders or their representatives. Late bid shall not be accepted by the online system. Bidders shall also submit hard copy of the original bid security/Affidavits in the Directorate of Purchase and Store, University of Chakwal before opening the technical bids.
- The University reserves the right to modify/ withdraw/ cancel the bids/ tender at any time prior to award of Contract, without assigning any reason or any obligation to inform the Tenderer of the grounds for the Purchaser's action and without thereby incurring any liability to the Tenderer and the decision of the Purchaser shall be final.
- The URL of the website of the PPRA is (<http://eproc.punjab.gov.pk/ViewTender.aspx>) and response time shall be calculated exclusively from the date of publication of the advertisement on the website of the PPRA. Tender Closing Date & Time is **06.03.2026 at 10:00 AM** and Opening Date & Time is **06.03.2026 at 10:30 AM**.
- For obtaining any further information or clarifications, please contact below:

**DEPUTY DIRECTOR (P&S)**

**Tel: 0543-552511**

**Email: [dd.procurement@uoc.edu.pk](mailto:dd.procurement@uoc.edu.pk)**

## **1. Invitation To the Bid**

- 1.1.** Bids/Tenders are invited for **PURCHASE OF MEDICAL & LABORATORY EQUIPMENT'S** from Sales Tax and Income Tax Registered firms.

## **2. Instructions to the Bidders**

- 2.1.** Procurement will be made under Punjab Procurement Rules 2014.
- 2.2.** It will be clearly understood that the Terms and Conditions mentioned in this document are intended to be strictly enforced.
- 2.3.** Bidders must ensure that they submit all the required documents indicated in the Tender / Bidding Documents at the time of opening of Technical Bids and no request for submission of missing documents will be entertained after opening of the Technical Bids.
- 2.4.** Bids without supporting documents, undertaking, valid documentary evidence, and bids not conforming to terms and conditions given in the Tender Document will be liable for rejection. Bids received after due date and time, and bids without Bid Security in shape of Demand Draft, Pay Order, CDR or less than required amount or Bid Security in shape of Cheque or Cross Cheque shall be rejected.
- 2.5.** No supporting document will be accepted, at all, after opening of the Technical Bids.
- 2.6. Mode of Advertisement:**  
As per Rule 12(2) of PPRA 2014 amended up to date, the tender has been published on [www.uoc.edu.pk](http://www.uoc.edu.pk) , on the website of PPRA Punjab [www.eproc.punjab.gov.pk](http://www.eproc.punjab.gov.pk) and e-PADS (e-Pak Acquisition & Disposal System) <https://punjab.eprocure.gov.pk>.
- 2.7. Type of Open Competitive Bidding**
- 2.7.1.** As per Rule No. 38(2) a, single stage two envelope procedure shall be followed.
- 2.7.2.** The Purchaser shall evaluate the technical proposal under **PPRA Rule # 32** and in a manner prescribed in this document, without reference to the price and reject any proposal which does not conform to the specified requirements as listed in said sections. During the technical evaluation no amendments in the technical proposal shall be permitted;
- 2.7.3.** The financial proposals of technically qualified bidders shall be opened publicly online at a time, and venue announced

and communicated to the bidders through e-PADS or by other way etc.

- 2.7.4.** After the evaluation of the technical proposals the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted and qualified bids only through e-PADS. The financial proposal of bids found technically non-responsive shall be rejected or responded through e-PADS automatically to the respective bidders.

## 2.8. **Bid Data Sheet (Information for the Bidders)**

1	Procuring Agency	The University of Chakwal
2	Tender Number	08/2025
3	Name of Tender	<b>PURCHASE OF MEDICAL &amp; LABORATORY EQUIPMENT'S</b>
4	Tender Document available place	Tender/Bid Document can available on <a href="http://www.uoc.edu.pk">www.uoc.edu.pk</a> or <a href="http://www.eproc.punjab.gov.pk">www.eproc.punjab.gov.pk</a> or e-PADS (e-Pak Acquisition & Disposal System) <a href="https://punjab.eprocure.gov.pk">https://punjab.eprocure.gov.pk</a> .
5	Bid Security	Amount mentioned in Clause No. 9 of the Tender Document in shape of CDR, Pay Order, Bank Draft etc., in favor of, Treasurer University of Chakwal, Chakwal”
6	Performance Guarantee	10% of Contract Value after acceptance of Intent online through e-PADS etc.
7	Tender Addressed to	Directorate of Purchase & Store (P&S), University of Chakwal.
8	Contact Number	Ph. 0543-552511
9	Due date, time and place of submission of Tender Document	<b>06-03-2026 till 10:00 AM</b> Through e-PADS (e-Pak Acquisition & Disposal System) <a href="https://punjab.eprocure.gov.pk">https://punjab.eprocure.gov.pk</a> .
10	Date, time and place of Technical Bid Opening	<b>06-03-2026 till 10:30 AM at Directorate of Purchase &amp; Store (P&amp;S),</b> University of Chakwal (Main Campus), Main Talagang Road, Chakwal through e-PADS (e-Pak Acquisition & Disposal System) <a href="https://punjab.eprocure.gov.pk">https://punjab.eprocure.gov.pk</a> .
11	Date, time and place of the Financial Proposals	Shall be intimated subsequently to Technically Qualified firms through e-PADS or by other way etc.

## **Terms and Conditions of the Tender**

### **3. Definitions**

- 3.1.** "Purchaser" means the procuring agency i.e. University of Chakwal.
- 3.2.** "UOC" means University of Chakwal.
- 3.3.** "Bidder/Tenderer" means the Firm/Company/Supplier/Distributor that may provide or provides the Goods and related services to any of the public sector organization under the contract and have registered for the relevant business thereof.
- 3.4.** "Contract" means the agreement entered into between the Purchaser and the Contractor, in form of Supply Order or as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.
- 3.5.** "Contractor/The Successful Bidder" means the person whose Tender has been accepted and awarded letter of Acceptance followed by the Supply Order or Contract by the Purchaser.
- 3.6.** "Contract Value" means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract which is properly apportion-able to the Goods or Services in question.
- 3.7.** "Goods" means equipment, machinery, and/or other materials which the Contractor is required to supply to the Purchaser under the Contract.
- 3.8.** "Services" means installation, configuration, deployment, commissioning, testing, training, support, after sale service, etc. of Goods and other such obligations which the Contractor is required to provide to the Purchaser under the Contract.
- 3.9.** "PPRA" means Punjab Procurement Regulatory Authority.
- 3.10.** "e-PADS" means e-Pak Acquisition & Disposal System.

### **4. Responsiveness of Bid**

- 4.1.** Conforms to the clause of "Responsiveness of Bid" given in this tender document;



## **5. Examination of the Tender Document**

The bidder/Tenderer is expected to examine the Tender Document, including all terms and conditions.

## **6. Amendment of the Tender Document**

- 6.1.** The Purchase Committee/Evaluation Committee of University of Chakwal at any stage prior to the deadline for submission of the Tender, at its own initiative or in response to a clarification requested by the Bidder(s), amend the Tender Document, on any account, for any reason. All amendment(s) shall be part of the Tender Document and binding on the Bidder(s).
- 6.2.** The Purchaser shall notify the amendment(s) in writing to the prospective Tenderers/Bidders.
- 6.3.** The Purchaser may, at its exclusive discretion, amend the Tender Document to extend the deadline for the submission of the Tender, in which case all rights and obligations of the Purchaser and the Tenderers previously subject to the deadline shall thereafter be subject to the deadline as extended.

## **7. Bid Currency**

Bidder should quote price in **Pak Rupees only** and payments shall also be made in Pakistan Rupees only.

## **8. Validity Period of the Bid**

- 8.1.** Validity period of the bids shall be **180 days**.
- 8.2.** In exceptional circumstances, University of Chakwal may ask the Bidders for an extension of the period of validity. The request and the responses shall be made in writing. A bidder accepting the request will not be required nor permitted to modify its tender.

## **9. Bid Security**

- 9.1.** Bidder will submit Bid Security drawn in the name of **Treasurer University of Chakwal** detail given below:

<b>Item Name</b>	<b>Budgetary Amount</b>	<b>Amount of Bid Security</b>
<b>MEDICAL &amp; LABORATORY EQUIPMENT'S</b>	39.786 million	795,720/-

- 9.2.** Cheque or Cross Cheque shall not be accepted at all.
- 9.3.** The amount submitted as Bid Security shall be refunded to the unsuccessful bidders after the decision for the award of the said tender.

- 9.4. The Bid Security of Successful Bidder(s) may be converted as part of the Performance Guarantee for successful execution of the work.
- 9.5. Subject to the award of contract, the Bid Security in form of CDR, Demand Draft, Pay Order shall be returned to successful bidder against submission of Performance Guarantee
- 9.6. If the Bid Security is found less than the required amount then the bid will be rejected irrespective of the rates and the stage of the bid process.
- 9.7. The Bid Security may be forfeited if a Bidder:
  - a) Refuses to accept Letter of Intent of the Bid; or
  - b) Fails to furnish Performance Security.

## **10. Bid Preparation and Submission of e-bids**

- 10.1 An e-bid or proposal shall be submitted on the e-PADS in the manner or method as specified in the advertisement before, closing date for submission, such e-bid or proposal.
- 10.2 The bidder shall be allowed to alter or modify his e-bid or proposal before the closing date 'for submission of the e-bid or proposal through e-PADS.
- 10.3 The bidder shall complete and authenticate his e-bid or, proposal and submit it within time. In case e-bid or proposal including entries and record submitted on the e-PADS found corrupt, unreadable or contains virus the e-bid or proposal shall be rejected.
- 10.4 The bidder shall submit hard copy of the financial Instrument in addition to the soft copy uploaded on the e PADS as bid security in pdf format. The bid security shall only be released' upon the' hard copy.
- 10.5 The Tender shall be filed in / accompanied by the prescribed Forms, Annexes, Schedules, Drawings, Documents, Brochures, Literature, etc. which shall be completely filled in, stamped and signed by the Tenderer or his Authorized Representative. In case of copies, photocopies may be attested.
- 10.6 The Bids/Tenders should be submitted in two parts (1) **Technical Proposal** and (2) **Financial Proposal**. The Technical Proposal and Financial Proposal shall be submitted through e-PADS.

## **11. Technical Proposal**

The Technical Proposal will enable the Purchase/Technical/Evaluation Committee to evaluate whether the bidder is technically competent and capable of executing the order and the specifications offered by the bidder meet the ones given in the Tender/Bid Documents. Only those bids which qualify in the technical stage will be eligible for the Financial Proposal opening. The Financial Proposals of bidders who failed

in the technical stage will not be opened through automated system of e-PADS.

- 11.1. The Technical Proposal form as given in the Bid/Tender Document shall be filled, signed and stamped in all pages. The Purchase/Evaluation Committee will not be responsible for the errors committed in the bids by the bidders.
- 11.2. The Technical Proposal should not strictly contain any Price/Cost indications as such otherwise the bids will be summarily rejected.
- 11.3. The Bidder should quote only one brand/model/make of each item.
- 11.4. **Detail and Order of Documents to be furnished with the technical proposal (through e-PADS in pdf format):**

The documents attached with the Technical Bid must be signed and stamped by the Authorized Representative of the Bidder. The documents attached must be numbered and attached/annexed in the following order:

- 11.4.1. Covering letter (***Annexure-A***) duly signed and stamped by authorized representative.
- 11.4.2. Copy of Income Tax Registration Certificate (***Annexure-B***).
- 11.4.3. Copy of Sales Tax Registration Certificate (***Annexure-C***).
- 11.4.4. Copy of Professional Tax Challan (***Annexure-D***).
- 11.4.5. Detailed specification of items (***Annexure-E***).
- 11.4.6. Affidavit/Undertaking on Stamp Paper (***Annexure-F***).

## **12. Announcement of Technical Evaluation Report**

The UOC shall announce the results of technical evaluation in the form of a report giving justification for acceptance or rejection of bids at least five days prior to the opening of financial proposal. The report shall be made available on PPRA website / e-PADS and all the bidders shall be informed of this.

## **13. Financial Proposal**

- 13.1. The Financial Proposal of the bidder shall also include the price break up of taxes/duties. All taxes/duties as applicable shall be responsibility of the bidders.
- 13.2. The cost quoted by the bidder shall be kept firm and unchanged for a period specified in the Bid/Tender Documents from the date of opening of the bids. The bidder shall keep the price firm/unchanged during the period of Contract including during the period of extension of time if any.
- 13.3. Financial proposal will be evaluated on the basis of One person One Bid in terms of Rule 36A (PPRA Rules 2014). No serial # or

item name will be changed in the financial proposal. The bidder will quote per unit rate with all applicable taxes and total amount with taxes as per given serial number/item name in the bidding documents. The bidder will follow the bidding documents in letter and spirit.

**13.4.** The Bid is liable for rejection if Financial Proposal contains conditional offer.

**13.5. Details to be furnished with financial proposal (through e-PADS)**

**13.5.1.** Financial Proposal Covering Letter (**Annexure G**).

**13.5.2.** Financial Proposal Form duly filled, signed and stamped by the Bidder (**Annexure H**).

**13.5.3.** Copy of Bid Security CDR.

**13.6. Bids through e-PADS**

**13.6.1.** The Technical Proposal and Financial Proposal in each respect as per PRRA 2014 amended up to date shall be completed in step wise as per requirement of the e-PADS system and the procuring agency will not be responsible for the mistake of the bidders if any.

**13.7. Mode of Submission of Bids**

**13.7.1.** The Bids must be submitted through the mode of e-PADS (e-Pak Acquisition & Disposal System)

<https://punjab.eprocure.gov.pk>

**14. Modification/Withdrawal of the Tender**

**14.1.** The bidder shall be allowed to alter or modify his e-bid or proposal before the closing date 'for submission of the e-bid or proposal. No Bid may be modified after the deadline for submission of Bids through e-PADS.

**14.2.** The Tender, withdrawn after the deadline for submission of the Tender and prior to the expiration of the period of the Tender validity, shall result in forfeiture of the Bid Security.

**15. Bid Opening**

**15.1. Technical Proposal Opening**

The Technical Proposals will be opened by the Purchase/Evaluation Committee of University of Chakwal on the date and time as specified in the Tender Notice /Bid Data Sheet through online system of e-PADS. The bids will be opened in the presence of the bidders who choose to be present. A maximum of

two representatives for each bidder would be allowed to attend the Bid Opening.

#### **15.2. Suppression of facts and misleading information**

**15.2.1.** During the bid evaluation, if any suppression or misrepresentation of information is brought to the notice of the Purchase Committee, the Committee shall have the right to reject the Bid and if it happens so after selection of the Bidder, the Purchase/Evaluation Committee may terminate the Contract or award of the Contract or further processing of the Bid as the case may be and that will be without any compensation to the Bidder and the Bid Security/Performance Guarantee, as the case may be, shall be forfeited.

**15.2.2.** It is the Bidder's responsibility to prove the Bidder's requisite qualification, experience and capacity to undertake the project to the entire satisfaction of the Purchase Committee failing which the Bid may be rejected.

### **16. Preliminary Examination**

**16.1.** The Procuring Agency shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether the required documents have been furnished and properly signed, and whether the bids are generally in order.

**16.2.** In the financial bids (at the time of opening the financial proposal) 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 Bidders/Suppliers do not accept the correction of the errors, its bid shall be rejected. If there is a discrepancy between words and figures, the amount in words shall prevail.

### **17. Determination of Responsiveness of the Bid**

**17.1.** The Purchaser shall determine the substantial responsiveness of the Tender to the Tender Document, prior to the Tender evaluation, on the basis of the contents of the Tender itself without recourse to extrinsic evidence. A substantially responsive Bid is one which:

**17.1.1.** meets eligibility criteria for the Bidder / the Goods / the Services;

**17.1.2.** meets all the mandatory requirements of the evaluation criteria;

- 17.1.3.** meets the Technical Specifications for the Goods / the Services;
  - 17.1.4.** meets the delivery period / point for the Goods / the Services;
  - 17.1.5.** is accompanied by the required Bid Security;
  - 17.1.6.** is otherwise complete and generally in order;
  - 17.1.7.** Conforms to all terms and conditions of the Tender Document, without material deviation or reservation;
  - 17.1.8.** which offers one Brand/Model/Make for each item (which does not contain any option);
- 17.2.** A material deviation or reservation is one which affects the scope, quality or performance of the Goods or limits the Purchaser's rights or the Bidder's obligations under the Contract.
- 17.3.** The Tender determined as not substantially responsive shall not subsequently be made responsive by the Tenderer by correction or withdrawal of the material deviation or reservation. However, the Purchaser may waive off any minor non-conformity or inconsistency or informality or irregularity in the Tender.

## 18. Technical Evaluation Criteria

Under PPRA Rules # 31, Technical Bids will be evaluated on the basis of following criteria and Financial Bids of only those bidders will be opened who have fulfilled the criteria:

Qualification Criteria			Requirement
Sales Tax Registration Certificate			<b>Mandatory</b>
Income Tax Registration Certificate			<b>Mandatory</b>
Professional Tax Certificate (2025-26)			<b>Mandatory</b>
Conformance to the required specification of items given in Schedule of Requirement			<b>Mandatory</b>
Affidavit /Bidder's undertaking on judicial stamp paper amount Rs. 300/- (as per PUNJAB THE STAMP ACT, 1899 upto date) that the firm/company is not involved in any fraudulent practices and is not currently black listed on PPRA.			<b>Mandatory</b>
Bid Evaluation Criteria			
S. No.	Item Name and Description	Marks	Maximum Marks
<b>1</b>	<b>Past Performance of the Bidder</b>	--	<b>10</b>
1.1	1 - 3 year experience	2	--
1.2	4 - 8 year experience	4	--
1.3	9 - 15 year experience	6	--
1.4	Above 15	10	--
<b>2</b>	<b>Relevant Experience</b>	--	<b>10</b>
2.1	1 - 5 year experience	4	--
2.2	6 - 10 year experience	6	--
2.3	11 & above year experience	10	--
<b>3</b>	<b>Financial Position/ Status</b>	--	<b>10</b>
3.1	Last sales tax paid Form	4	--
3.2	Bank Certificate (satisfactory)	2	--
3.3	Statement Worth (Min 2 million)	4	--
<b>4</b>	<b>Technical Evaluation of quoted items</b>	--	<b>70</b>
4.1	Specifications as per Schedule Requirements	50	
4.2	Three relevant supply orders of delivered items	20	
<b>TOTAL</b>		--	<b>100</b>

The bidder must provide Verifiable documentary proof against all the mandatory requirement along with the technical evaluation criteria and no document will be received or considered after opening of the Technical Proposal through e-PADS. The Qualifying marks are sixty five (65) in the technical. Conformance to the required specification of items given in Schedule of Requirement will be evaluated by the Evaluation Committee/Technical Committee.

The Evaluation Committee or Technical Evaluation Committee may ask

for physical Demonstration or samples of any item given in the Tender Document for confirmation of specifications if needed.

## **19. Financial Proposal Evaluation**

- 19.1.** Technically qualified/successful bidder(s)/Tenderer(s) shall be intimated through e-PADS or any other way etc. for opening of the Financial Proposal(s). The Financial Proposals will be opened in the presence of the Bidders at the time and venue indicated by the Purchaser accordingly in the Directorate of Purchase and Store. The technically Eligible/Successful Bidder(s)/Tenderer(s) or their authorized representatives against shall be allowed to take part in the Financial Proposal(s) opening against their relevant Lot(s) or items.
- 19.2.** Financial Proposal evaluation will be conducted under the Punjab Procurement Rules, 2014 amended up to date. The Price evaluation will include all duties, taxes, freight, carriage and expenses etc. In case of any exemption of duties and taxes made by the Government in favor of the Purchaser, the contractor shall be bound to adjust the same in the Financial Proposal with documented proof.
- 19.3.** Financial proposal will be evaluated on the basis of One person One Bid in terms of Rule 36A (PPRA Rules 2014). No serial # or item name will be changed in the financial proposal. The bidder will quote per unit rate with GST and Total amount with GST as per given serial number/item name in the bidding documents. The bidder will follow the bidding documents in letter and spirit.

## **20. Rejection and Acceptance of the Tender/Bid**

- 20.1.** The Purchaser shall have the right, to increase / decrease the quantity of any or all item(s), under PPRA Rules 2014 without any change in unit prices or other terms and conditions, accept a Tender, reject any or all tender(s), cancel / annul the Tendering process at any time prior to award of Contract, without assigning any reason or any obligation to inform the Tenderer of the grounds for the Purchaser's action, and without thereby incurring any liability to the Tenderer and the decision of the Purchaser shall be final.
- 20.2. The Tender / bid shall be rejected if:**
- 20.2.1.** It is substantially non-responsive; or
- 20.2.2.** The bidder does not meet any of the mandatory criteria mentioned in tender documents; or



- 20.2.3.** It does not contain the documentary proof against any of the mandatory criteria mentioned in Clause No. 15; or
- 20.2.4. The bid is incomplete, conditional, alternative, late; or**
- 20.2.5.** the bidder does not attach Bid Security in Shape of Demand Draft, Pay Order, CDR; or
- 20.2.6.** the bid security is not attached or it is less than the required amount; or
- 20.2.7.** the Bidder submits more than one Bids against one Tender; or
- 20.2.8.** the Bidder tries to influence the Purchase/Evaluation Committee Contract award; or
- 20.2.9.** the Bidder engages in corrupt or fraudulent practices in competing for the Contract award; or
- 20.2.10.** there is any discrepancy between bidding documents and bidder's proposal i.e. any non-conformity or inconsistency or informality or irregularity in the submitted bid; or
- 20.2.11.** the Bidder submits any financial conditions as part of its bid which are not in conformity with tender document. No conditional offer will be accepted. Conditional offer can be rejected at any stage of the tender/process etc.
- 20.2.12.** if the bidder not obey the process of e-PADS as per PPRA.

## **21. Contacting the Procuring Agency**

- 21.1.** No Bidder shall contact the Purchase/Evaluation Committee of UOC on any matter relating to its bid, from the time of the bid opening or to the time the Contract is awarded.
- 21.2.** Any effort by a Bidder to influence the Procuring Agency in its decisions on bid evaluation, bid comparison, or Contract Award will disqualify the bidder and rejection of the bid. Canvassing by any Bidder at any stage of the tender evaluation is strictly prohibited.

## **22. Announcement of Final Evaluation Reports**

**22.1.** The Procuring Agency shall announce the results of bid evaluation in the form of a report giving justification for acceptance or rejection of bids at least ten days prior to the award of Contract. The report shall be made available on PPRA website and e-PADS (e-Pak Acquisition & Disposal System) and all the bidders shall be informed of this.

## **23. Award of Contract**

**23.1.** The Tender will be awarded to the Lowest Evaluated Bidder in item wise who have been declared Technically Qualified while considering the technical nature of procurement.

## **24. Letter Of Intent (LOI)**

**24.1.** After acceptance of the Bids by the Evaluation Committee, Letter of Intent (LOI) will be issued only to the Successful Bidder(s) through e-PADS (e-Pak Acquisition & Disposal System).

## **25. Payment of Performance Guarantee (PG)**

**25.1.** The Successful Bidder(s) will be required to submit the Performance Guarantee equivalent to 10% of the value of the contract price. The PG should be paid by way of Cash Deposit Receipt (CDR) or Pay Order or Demand Draft. The PG should also be paid by way of Bank Guarantee (original issued by the authorized bank) in terms of PPRA Rules in favor of “**Treasurer University of Chakwal**” as unconditional Guarantee.

**25.2.** The Performance Guarantee will be forfeited if the Successful Bidder withdraws the Bid during the period of Bid validity specified in the Bid Documents or if the Bidder(s) fails to sign the contract or complete the contractual obligations.

## **26. Refund of Bid Security (BS)**

The Bid Security (BS) of the Successful Bidder may be adjusted towards Performance Guarantee payable by the firm. If the successful Bidder(s) submits Performance Guarantee for the stipulated value in full by way of Cash Deposit Receipt (CDR), Bank Draft or Bank Guarantee or Pay Order the BS will be refunded. The BS of the unsuccessful Bidder will be refunded on the written request of the Bidder. The Bid Security of the successful bidder shall be released upon his request provided the bidder submits the Performance Guarantee in the shape of Cash Deposit Receipt (CDR), or Bank Guarantee, Bank Draft or Pay Order.

## **27. Issuance of Supply Order or Signing the Contract**

- 27.1.** The procuring agency shall issue Supply Order or sign a Contract with the Successful bidder who has submitted the Performance Guarantee.
- 27.2.** The Successful Bidder will provide the stamp paper of **22-(A)(b)** of amounting **0.25%** total order value for issuance of Supply Order or Signing the Contract as per PUNJAB THE STAMP ACT, 1899 upto date.
- 27.3.** The procuring agency may increase or decrease quantity in supply order subject to provision of budget in the relevant head in terms of PPRA Rules.

## **28. Redressal Of Grievances by the Procuring Agency**

- 28.1.** Any bidder feeling aggrieved by any act of the procuring agency after the submission of his bid may lodge a complaint through e-PADS concerning his grievances not later than 05 days after the announcement of the technical evaluation report and 10 days after the announcement of the final evaluation report.
- 28.2.** The committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint.
- 28.3.** Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.
- 28.4.** Any bidder not satisfied with the decision of the committee of the procuring agency may lodge an appeal in the relevant court of jurisdiction.

## **General Conditions of Contract / Supply Order**

### **29. Delivery of Items**

- 29.1.** The Supplier will be responsible for **delivery of Items** for medical & laboratory equipment's as per quoted specifications. In case of items which requires installation/fixation/demo; the Bidder will be responsible for installation/commissioning of items at UOC, Main Campus, Talagang Road, Chakwal.
- 29.2.** Delivery Period will be **Ninety (90) days** counted **after issuance of purchase order** extendable under the special circumstances subject to approval of competent authority if satisfy with genuine grounds or documented proof etc. otherwise penalty on late delivery will be charged accordingly.
- 29.3.** After the delivery of items, the Bidder must have the items inspected by the Inspection/Physical Verification Committee at the University of Chakwal (UoC), Main Campus, Talagang Road, Chakwal. If the committee identifies any variance from the quoted

specifications, the Bidder shall be obligated to amend or replace the items accordingly.

- 29.4.** The supplier will bear all costs associated with the preparation, delivery, amendment, replacing and installation/commissioning of the items and the Purchaser will in no case be responsible or liable for those costs. The supplier will make such arrangements to ensure safe delivery of goods as per quoted specifications. Any damage sustained during transportation / delivery will be rectified by the supplier at his cost.
- 29.5.** The procuring agency may increase or decrease quantity in supply order subject to provision of budget in the relevant head.

### **30. Liquidated Damages**

- 30.1.** When the supplier fails to deliver or install the goods or both within the time period specified in the contract, the Purchase Committee may, without prejudice to any other remedy it may have under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.025% of the price of the delayed goods per day of delay, maximum up to 5% of the price of total value of the contract.
- 30.2.** The Successful Bidder will be responsible to provide the delivery, Delivery Challan and Bill within the delivery period in order to avoid Late Delivery Charges.

### **31. Inspection and Tests**

- 31.1.** The Inspection/Physical verification Committee of UOC shall inspect and test the Goods supplied, the Services provided, under the Contract/Supply Order, to verify their conformity to the Technical Specifications; quoted in the tender.
- 31.2.** Inspection/Physical will be done at University of Chakwal.
- 31.3.** Inspection or Physical Committee may verify the authenticity of items.
- 31.4.** After the inspection or test if the Inspection/Physical Committee is of the opinion that items do not conform to the specification and the criteria mentioned above, the Inspection Committee may reject them, and the supplier shall either replace the rejected goods or replace or make all alterations necessary to meet the requirements of the quoted specifications free of cost to University of Chakwal.

### **32. Release of Performance Guarantee (PG)**

The Performance Guarantee will be refunded/released to the Successful Bidder(s) after one year from the date of delivery challan or till the completion of warranty/guarantee etc.

### **33. Contract Amendment**

**33.1.** The Purchaser may, at any time, by written notice served on the Contractor, alter, amend, omit, increase, decrease or otherwise change the nature, quality, quantity and scope, of all / any of the Goods / the Services / the Works, in whole or in part.

**33.2.** No variation in or modification in the Contract shall be made, except by written amendment signed by both the Purchaser and the Contractor.

### **34. Termination for Default**

The Purchase/Evaluation Committee of UOC may, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the tenderer, terminate this Contract in whole or in part if:

**34.1.** the bidder fails to provide services within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency.

**34.2.** the successful bidder fails to deliver goods and services as per its technical specifications offered in the bid

**34.3.** the successful bidder fails to perform any other obligation(s) under the Contract.

**34.4.** the bidder, in the judgment of the Purchase Committee has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

### **35. Blacklisting**

If the Contractor fails / delays in performance of any of the obligations, under the Contract / Letter of Acceptance, violates any of the provisions of the Contract / Letter of Acceptance, commits breach of any of the terms and conditions of the Contract / Letter of Acceptance or found to have engaged in corrupt or fraudulent practices in competing for the award of contract / Letter of Acceptance or during the execution of the contract / Letter of Acceptance, the Purchaser may without prejudice to any other right of action / remedy it may have, blacklist the Contractor, either indefinitely or for a stated period, for future tenders in public sector, as per mechanism provided in Punjab Procurement Rules, 2014.

### **36. Force Majeure**

Force Majeure means an act of nature or a situation 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, bans and freight embargoes. If a Force Majeure situation arises, the Suppliers shall promptly notify the Procuring Agency in writing with sufficient and valid evidence of such condition and the Evaluation Committee of UOC, shall examine the pros and cons of the case and all reasonable alternative means for completion of purchase 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.

### **37. Termination for Insolvency**

The Procuring Agency may at any time terminate the Contract by giving written notice of 30 days' 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.

### **38. Forfeiture of Performance Security**

- 38.1.** If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract / Acceptance of Letter of Intent, the Purchaser may, without prejudice to any other right of action / remedy it may have, forfeit Performance Security of the Contractor.
- 38.2.** Failure to supply required items/services within the specified time period will invoke penalty as recommended by the evaluation committee as per prescribed terms.

### **39. Payment**

**39.1.** 100% payment will be made after withholding applicable taxes by UOC to the Successful Bidder after delivery and installation of goods and on receipt of the following documents:

- i. Three Copies of Original Delivery Challan.
- ii. Three Copies of Original Bill/Invoice.
- iii. Three Copies of General Sales Tax Invoice
- iv. Inspection/Satisfactory/Completion report (If applicable).
- v. Warranty/Guarantee cards (if any).

### **40. Warranty**

**40.1.** Warranty of Equipment, Apparatus and instrument shall be one year or more as manufacturer provided.

**40.2.** The Supplier shall confirm that the goods supplied under this contract are new and unused. The Supplier shall further warrant that all goods supplied under this contract shall have no defect arising from design materials or workmanship or from any act or omission of the supplier that may arise under the normal use of the supplied goods in the conditions prevailing in the University.

**40.3.** The Purchase/Evaluation Committee shall notify the supplier in writing of any claim arising under the warranty. Upon receipt of such notice, the supplier shall repair or replace the defective goods or parts within **15 days**, inclusive of, where applicable, the cost of inland delivery of the repaired or replaced goods or parts from the port of entry to the final destination and their installation.

## 41. Specifications And Schedule of Requirement

Sr #	Name of Item	Specifications	Quantity
<b>Department of Mechatronics Engineering</b>			
1.	Multi-meters/power supply	5-digit DMM with built-in 30 W power supply, four output ranges, OVP/OCP, auto scan/ramp and square wave generator	4
2.	IoT Trainer Kit- Atmel, Espressif, Raspberry Pi	Arduino UNO, ESP 32, STM32-BLUPILL, PI PICO (Latest version for all), Ultrasonic, IR, MQ135, MPU 6050, 1.8" TFT Display Features including on board components, Plug & play, easy prototyping etc.	4
3.	Extension Lead	3 to 4 sockets available with button	3
4.	Screwdriver Set	Small, Flat and Philips	1
5.	Soldering Iron	Goot KX-60R Electrical 60W	10
6.	Wire Cutter	Small jumper wire cutter	2
7.	Wire stripper	0.8mm, 1.0mm, 1.3mm, 1.6mm, 2.0mm, 2.6mm	2
8.	Bread board	High quality	25
9.	Power supply probes	Black & red wire (1 meters) with crocodile connectors	20
10.	Twister	Steel, good quality	50
11.	2 to 3 pin converters	For 3 pin plugs	50
12.	Motor Driver Module	L298N	10
13.	DC Motors (small)	5V, 12V small motors	40
<b>Department of Botany</b>			
14.	Herbarium Specimen Cabinet	All steel construction, Height: 84.12 in., Width: 29.15 in., Depth: 18.78 in., Lift-off door, 26 Compartments	4
15.	Binocular Microscopes	Total Magnification: 40X~1600X; Eyepieces: WF10X(2PCS), WF16X(2PCS); Objectives: 4X, 10X,40XS, 100XS; Eyepieces Tube: Binocular 45°. Inclined Tube Rotatable 360°; illumination: 6V/20W Halogen Lamp; Coarse Adjustment Range: 30mm; Fine Adjustment Range: 30mm; Working Stage: Double Layer Mechanical Stage:130×140mm-Moving Range 75mm×45mm; Condenser: NA1,25 Abee Condenser With Changeable Diaphragm, Moving Scale And Fil Stage: Double layer mechanical stage with a size of 140x140mm and a moving range of 75x45mm. Focusing: Coaxial coarse and fine adjustment, with a focusing range of 30mm and a focusing interval of 0.002mm; 110-volt operation (220 VAC also available, special order) Or Equivalent	10
16.	Soxhlet Extraction Unit	Heating mantle: 06; Structure: Powder coated MS cabinet, Vertical & horizontal rods, Screws & clamps; Nichrome heating element; Individual energy regulator; Fiber glass net; Flask Capacity: 250ml, 500 ml & 1000 ml; PID temperature controller; Power Supply: 220 Volts 50Hz	1
17.	Horizontal Autoclave (Double Chamber)	Double Chamber Structure, Stainless Steel Body, Capacity. Approx. 150-200 L. Shelves. At least 2. Overall L. W. H. Approx. 150cm. Approx. 100 cm. Approx. 100cm, Sterilization	1



		temperature 121°C-134°C, Built-in Pressure Gauge, Automatic Temperature Control, Safety Valve & Vacuum Breaker, Front Loading, Energy-Efficient Heating, Or Equivalent	
18.	Benchtop Orbital Shaker	Oscillator with Anti-Slip Pad, Adjustable Speed at 0-210rpm, 110V Or Equivalent	1
19.	Slide Scanner (Digital Microscopy Imaging System)	Am Scope 10MP Microscope Digital Camera + Software MU1000: Sensor: Aptina MT9J001, Sensor Size: 1/2.3" (6.44mm(H) x 4.616mm(V)), Resolution: 3584 x 2748 (approx. 10000000 pixels) , Reduction Lens: 0.5X, Exposure: 0.4~2000ms ROI Auto & Manual, Scan Mode: Progressive, Dynamic Range: 65.2dB, A/D Converter: 12-bit Parallel 8-bit R.G.B to computer, SN Ratio: 34dB, Spectral Range: 380-650nm (with IR-filter), Binning: 1x1 2x2 4x4, White balance: ROI White Balance/ Manual Temp-Tint Adjustment, Color Rendering Technique: Ultra Fine Color Engine, Capture/Control API: Native C/C++ C# Direct show Twain Lab view , Recording System: Still Picture and Movie, Cooling System: Natural , Operating Temperature: -10°C~50°C, Storage Temperature: -20°C~60°C, Operating Humidity: 30~80%RH, Storage Humidity: 10~60%RH, Power Supply: DC 5V over USB Port	1
20.	Lab Incubator	Capacity: 30L; Temp. Range: RT+5~80°C; Temp. Fluctuation: ±0.2°C; Time Setting: 1~9999mins; Shelves: 2pcs/adjustable; Consumption: 150W; Power Supply: AC220V±10%, 50/60Hz; Internal Size(mm): 310*310*310; External Size(mm): 460*510*695; Packing Size (mm): 550*570*765; Gross Weight (kg): 51 kg	2
21.	Pipette	Measuring range 0.2-2 µl, random maximum error ≤0.014 µl, Or Equivalent	1
22.	Pipette	Measuring range 1-10 µl, Accuracy ±0.04 µl, Or Equivalent	1
23.	Pipette	Measuring range 2-20 µl, random maximum error ≤0.060 µl, Or Equivalent	1
24.	Pipette	Measuring range 10-100 µl, Accuracy ±0.15 µl, Or Equivalent	1
25.	Pipette	Measuring range 20-200 µl, random maximum error ≤0.3 µl, Or Equivalent	1
26.	Pipette	Measuring range 100-1000 µl, random maximum error ≤1.5 µl, Or Equivalent	1
27.	Microwave Oven	Capacity (L): 25 L; Nominal Power microwave: 1000W Microwave Power levels: 6; Convection function: No; Voltage / Frequency: 230V/50Hz; opening door: Handle	1
28.	Mortar & Pestle	Marble based, medium size	4
29.	Water Bath (Digital)	Reservoir Capacity (liters): 10 Litter; Temperature Range: Ambient +5° to 100°C; Temperature Uniformity: ±0.2°C; Temperature Stability: ±0.1°C Or Equivalent	1
30.	First-aid-box	SS with all necessary items or equivalent to best quality	1
<b>Department Of Zoology</b>			

31.	PCR (thermal cycler / qPCR)	Applied Biosystems Quant Studio 5 (Real-time qPCR) — desktop 96-well (or 384-well) options; fast ramp rates. Or Equivalent	1
32.	Autoclave	Tuttnauer 3870EA — large benchtop/sterilizer; chamber 85 L (15"×30"), 121–134°C cycles, digital control, printer/logging, 230V Or Equivalent	1
33.	Biosafety cabinet (Class II)	Thermo Scientific HERAsafe (e.g., HERAsafe 2025 / KS12) — Class II Type A2, HEPA filtration, multiple widths (0.9–1.8 m), continuous airflow monitoring, integrated UI. Or Equivalent	1
34.	Incubators (standard & CO <sub>2</sub> optional)	Thermo Scientific HERAccl VIOS (e.g., VIOS 160i / 250i) — temp control ±0.1°C, CO <sub>2</sub> control 1–20% (IR sensor option), stainless steel chamber, humidity control, USB/data outputs. Or Equivalent	2
35.	Shaker incubator	Thermo/MaxQ or comparable incubated orbital shaker — temp control to 37°C ±0.1°C, speed range (e.g., 30–400 rpm), orbital platform, digital controls; bench models for flasks/plates. Or Equivalent	1
36.	Rotary evaporator (rotovap)	BUCHI Rotavapor R-300 — electronic lift, 1–5 L flask options, rotation 10–280 rpm, bath up to 220°C, modular controller interface. Or Equivalent	1
37.	Soxhlet extractor	DWK / BOROSIL glass Soxhlet set (0.5–2 L kits) — glass extractor body + condenser + boiling flask, standard taper joints; common lab glassware kit. Or Equivalent	4
38.	Analytical balance	Sartorius Cubis® II (Analytical) — readabilities 0.1 mg / 0.01 mg options, capacities 120–520 g, motorized leveling, internal calibration, USB/Ethernet outputs. Or Equivalent	2
39.	Refrigerated centrifuge	Eppendorf 5910R / 5910 Ri — refrigerated benchtop; max ~14,000 rpm / ~22,000 ×g depending on rotor; temp range down to –20°C/+40°C, multiple rotor options. Or Equivalent	1
40.	Colony counter	STEMvision / STEMCELL or Scan/automatic colony counters (e.g., STEMvision 22000 for CFU assays) — integrated imaging, LED illumination, plate automation and counting software. Or Equivalent	2
41.	Microscope with camera	Olympus (brightfield) + DP27 camera (5 MP) — research-grade optics + 5 MP camera, live capture, software. Or Equivalent	2
42.	Inoculating loop dispenser	Non- disposable loops (1 µL, 10 µL)	10
43.	Antibiotic disk dispenser	Manual disk dispensers / applicators (lab handheld models) — hold disk vials and place disks quickly and evenly on agar (reduces time & contamination).	1
44.	Camera (Wildlife Photography)	Nikon Z9 • 45.7 MP stacked full-frame CMOS • 20 fps RAW / 120 fps JPEG • No mechanical shutter (silent shooting) • AI subject detection (birds, animals, eyes) • 8K 60p & 4K 120p video	1

		• Extreme weather sealing • Best-in-class AF tracking Or Equivalent	
45.	Electric grinder / analytical mill	IKA A11 basic analytical mill — batch mill, up to 28,000 rpm, 80 mL bowl, stainless steel beater; suitable for many lab grinding tasks. Or Equivalent	2
46.	Fish Handling Net	Fish Handling Net, Nylon Mesh with Telescopic Handle – Lightweight nylon mesh net, extendable stainless handle (approx.)	4
47.	GPS Watch	Garmin Forerunner 55 GPS Watch – Built-in GPS, wrist-based heart rate, multi-sport modes, waterproof, tracks routes & location Or Equivalent	5
48.	Bee Hives for Apiculture	10-Frame Langstroth Bee Hive Box – Wooden modular hive body set, holds 10 frames (standard apiculture)	5
49.	Aquarium Cleaner Tool (Magnetic)	Magnetic Aquarium Glass Cleaner – Dual magnet pads, scratch-free, fits various glass thicknesses	6
50.	Honey Extractor	4-Frame Honey Extractor (Electric) – Stainless steel drum, electric motor, holds 4 frames, transparent lid, adjustable speed (Model DX170462)	1
51.	Queen Excluder	10-Frame Bee Queen Excluder (Plastic Grid) – Size ~41×51 cm, plastic grid lets worker bees pass, blocks queen	1
52.	Aquarium Aerator (Air Pump)	RS-Electrical Air Pump (RS-248A) – ~3 W aquarium air pump (single nozzle) for fish tank oxygenation	4
53.	Aquarium Heater	RS... Aquarium Glass Heater 50 W – Automatic thermostat submersible heater for freshwater tanks	4
54.	Stereo Dissecting Microscope	Zoom type with illumination	1
55.	Bench Top Centrifuge	Bench Top Centrifuge	1
56.	ELISA Reader	Microplate	1
57.	Stereo Zoom Microscope	Camera port	1
58.	Inverted Microscope	Phase contrast	1
59.	Embryo Incubator	Temp & humidity	1
60.	Fine Dissection Set	Stainless steel	2
61.	DNA extraction kit	GenXtract Blood Genomic DNA Isolation Kit (Genaxy) — 100 preps; genomic DNA from blood samples with spin column; ready for PCR and sequencing Or Equivalent	1
<b>Department of Human Nutrition and Dietetics</b>			
62.	Analytical Balance	0.001g to 300g, Fully Automatic, Digital Display, Overload Alarm, Tare Function, Glass Sliding Door, Equivalence To Best Quality	2
63.	Digital Balance	Up To 3-5 Kg with Extra Led Display Equivalence To Best Quality	3
64.	Compound Microscope	With Minimum 3 Magnifications, 10X, 40X, 100X, Fluorescent Light Blank Slides 2 Pack, Cover Slips 2 Pack, & Lens Cleaning Paper 1 Pack, Immersion Oil (25 Ml),	3

		Dust Cover (2) Equivalence To Best Quality	
65.	Refrigerator With Stabilizer	Medium Size 18-20 CFT Or Equivalence to Best Quality	1
66.	Ph-Meter Bench Top Type with Buffer Solutions (Ph 4, 7, 14)	Digital Display, Bulb Stand, Ph Range (0-14) Equivalence To Best Quality	5
67.	Laboratory Microwave Oven	Capacity (L): 20 L; Nominal Power Microwave: 1000W Microwave Power Levels: 6; Voltage / Frequency: 230V/50Hz; Opening Door: Handle Or Equivalent to Best Quality	1
68.	Oven Toaster	220v-240v 50/60HZ 1600W Adjustable Thermostate Control Form 0 To 250c Convenient Heat Operating Switch for Variable Heating Position With 60 Minutes Automatic Timer to Turned Off. Power on Light Indicator on Front Panel. Removable Backing Plate Stainless Steel Heating Element, 40 Ltr, Equivalence To Best Quality	1
69.	Hot Plate 2 Burners	220-240V 50/60HZ 1500W & 1000W Metal With Black Color Painting Housing, High-Quality Cast-Iron Plate Dia 155mm+188mm. Thermostat and On/Off Double Controller, Power On Light. Stew, Fry and Cooking, Suitable for Heating Any Kind of Pot Such As Ceramic Pot, Glass Pot, Metal Pot And More. Thermo Fuse For Safety Use. Proof Rubber Feet. Equivalence To Best Quality	2
70.	Human Skelton	Life Size Equivalence To Best Quality	2
71.	Human Torso	Large, 19 Parts Equivalence To Best Quality	1
72.	Model Of Human Heart	Large With Stand Equivalence To Best Quality	1
73.	Model Of Human Kidney	Large With Stand Equivalence To Best Quality	1
74.	Model Of Human Stomach	Large With Stand Equivalence To Best Quality	1
75.	Grinder & Lab Mill	220 V, SS Jar, Upto 12000 Rpm, Cleaning Brush, Lab Scale Equivalence To Best Quality	2
76.	Tank For Paper Chromatography	20 X 20cm With Lid, Large, Rectangular, Glass Tank Equivalence To Best Quality	10
77.	TLC Plates	20 X 20 Cm, Silica Coated Equivalence To Best Quality Or Specific Surface Area (According To BET; 5-Pt.	1 Pack

		Measurement)480 - 540 M <sup>2</sup> /Gpore Volume (N <sub>2</sub> -Isotherm)0.74 - 0.84 Ml/Gd 50 (Laser Diffraction, Size Distribution)9.5 - 11.5 µm layer Thickness175 - 225 µm deviation Of Layer Thickness Per Plate ≤ 30 µm a) Colour Testbleu VIF Organol11 - 25Ceres Black34 - 48Ceres Violet BRN52 - 67Separation Number ≥ 10.5B) Steroid Testhydrocortisone25 - 37Reichstein S37 - 49Methyltestosterone42 - 54Typical Value Determined On A Conditioned Sheet Eluent A) Toluene (45% Rel. Humidity) Eluent B) Ethyl Acetate/Toluene (95/5 V/V; 20% Rel. Humidity) Equivalence To Best Quality	
78.	Specimen Jars with Lid Air Tight	Glass (Small) Capacity: 150-200ml Equivalence to Best Quality	10 Each
79.	Specimen Jars with Lid Air Tight	Glass (Medium) Capacity 500ml Seal Type: Silicone Or Rubber Gasket for Airtight Closure Equivalence To Best Quality	10 Each
80.	Specimen Jars with Lid Air Tight	Glass (Large) Capacity 1L Seal: Silicone Or Rubber Gasket Lid for Airtight Closure (Preferred Over Cork Wood Alone) Equivalence To Best Quality	10 Each
81.	White Lab Coats	Good Quality, Top KT	10
82.	Glucometer Strips	Good Quality	5 Pack With 50 Pcs Each
83.	Baking Oven	Voltage: 220V/50HZ Gross Volume (Lt) : 42 L Material: Stainless Steel Bread Pizza Cake Baking Electrical Power Source: Electrical Equivalence To Best Quality	1
84.	Air Fryer	5.5L Capacity 1500 W Power Removable Non-Stick Oil Dripping Tray Overheat Protection 1-90 Min Timer Automatically Shut Off for Precise Cooking Adjustable Temperature 35-200°C For Different Recipes LED Indicator 1m Long Power Cord Non-Slip Feet Equivalence To Best Quality	1
85.	Weighing Scale (Adult)	Weighs Up To 180 Kg (Sensitivity 100 G) Large LCD Display (73 X 29 Mm) Or Equivalence to Best Quality	5
86.	Rowing Machine	Aluminum Rowing Rail, Adjust Console View Angle, 5kgs Inner Magnetic Flywheel, 1 Way Bearing, Folding Design, 15-Level Tension Control, Oversize Pedal and Smooth Rowing Seat, Monitor: Time, Distance, Calories,	1

		RPM, Round, Total Round, Equivalence To Best Quality	
87.	Posture Mirror	6 Feet Height & 2 Feet Width. Movable Model Equivalence To Best Quality	2
88.	Yoga Mat	Non-Slippery, Best for Yoga and Other Exercises, Thick and Foldable, Light Weight, Non-Slip Surface with Textured, PVC Foam, Thickness: 15mm Equivalence To Best Quality	12
89.	Bicycle	3.5kg Cast Iron Flywheel Extra Soft Padded Seat, Adjustable in Height Belt Drive System Heavy-Duty One-Piece Pedal System Adjustable Safety Straps on Pedals Tension Control Via 8-Level Magnetic Resistance Adjustment Knob Transport Wheels Dimensions: Computer Screen With 7 Functions: Scan Time Speed Distance Odometer Calories Equivalence To Best Quality	1
90.	Tummy Trimmer	Spring: High-Quality Steel, Often Chrome- Coated. Pedals: Made From Durable Plastic (Often Fine or Upgraded), With Contoured, Non- Slip Foot Pedals for Secure Grip and Comfort. Handles: Excellent, Comfortable, Non-Slip Grips for Hand Placement. Equivalence To Best Quality	3
91.	Twister	Heavy Metal Base and Safety Handle Grips Equivalence To Best Quality	2
92.	Chest Press/Shoulder Press Trainer	Dual Functionality: Chest And Shoulder Press in One Machine Multi-Position Handles: Allows Seamless Switching Between Exercises Heavy-Duty Frame for Maximum Durability Adjustable Seat & Backrest: Ensures Proper Posture and Comfort Smooth Cable & Pulley System: PU-Coated Steel Cables with High-Durability Pulleys Equivalence To Best Quality	1
93.	First Aid Kit	Contains Essential Items Like Band Aids (50 Pcs), Sterilize Gauze Pads (5 Pcs), Alcohol Prep Pad (50 Pcs), Pyodine Pads (50 Pcs), Cleansing Wipe Alcohol Free (30 Pcs), Adhesive Tape (2 Pcs), Triangular Bandage (2pcs), Elastic Bandage (2 Pcs), Scissors (1 Pc), Safety Pins (10 Pcs), Cotton Roll (1pc), Equivalence To Best Quality	1
94.	Foot Step	Non-Slip Surface and Adjustable Height Dimension: 66 X 28 X 16 Cm Equivalence To Best Quality	4 each

95.	Flame Photometer	<p>Testing Elements K, Na, Li, Ca  No of Channels 4  Display Value Concentration value  Data Range 0.000 to 999.9  K - 0 to 100 ppm  Na - 0 to 160 ppm  Li - 0 to 100 ppm  Ca - 0 to 1000 ppm  Range  K - 0.01 ppm  Na - 0.01 ppm  Li - 0.1 ppm  Ca - 2 ppm  LOD  K - 0.01 ppm  Na - 0.01 ppm  Li - 0.1 ppm  Ca - 2 ppm  Linear Error  K - 0.195  Na - 0.69  Li - 0.15  Ca - 3  Display: 7-inch color touch screen  Response time: time &lt;8s  Sample uptake: &lt; 3 ml/min  Reproducibility: &lt;3% coefficient of variation for 7 consecutive  Reproducibility samples  Power supply: AC 220 V±22 V 50 Hz±1 Hz, 250 W  Equivalence To Best Quality</p>	1
96.	Shaker (Orbital / Platform)	<p>Max Load 5 Kg  Speed Range Startup to 300 rpm  Motion Type Orbital Platform  Dimension 420 × 290 mm  Timer 0 to 990 min or continuous Shaking  Orbit 20 mm  Operation Mode Continuous / Timed  Power Supply 110V 60Hz / 220V 50Hz  Dimension 420 × 410 × 260 mm  Packaging Dimension 590 × 510 × 390 mm  Net Weight 25 Kg Gross  Weight 32 Kg  UK USA, Japan or Equivalent</p>	1
97.	Hotplate (Magnetic Stirrer + Hotplate)	<p>Work Plate Dimensions 184 × 184 mm (7 inch)  Temperature Range Room temp. to 550 °C (increment 5 °C)  Temperature Accuracy of Work Plate ±10°C  External Temperature Sensor PT1000 (±0.2 °C)  Heating Warning 50 °C  Hotplate Material Glass ceramic  Display Mode LED  Protection Class IP21  Ambient Temperature 5 to 40 °C  Humidity ≤ 80% RH  Heating Power 1000W  UK USA, Japan or Equivalent</p>	1
98.	Marble Dinner Set	A 72-Piece	1

		White, Plates, Bowls, Cups, Saucers, Serving Dishes, And Pots, Tea Set, Equivalence To Best Quality	
99.	Tea Cup and Saucers	Medium size, Ceramic White Color Equivalence To Best Quality	12 Pcs
100.	Serving Trays	Serving Trays (Plastic), Size (Small, Medium, Large, (Rectangular) Equivalence To Best Quality	1 Complete Set
101.	Serving Trays	Serving Trays (Wooden), Size (Small, Medium, Large, (Rectangular) Equivalence To Best Quality	1 Complete Set
102.	Vortex Mixer	Speed Range 0 to 4000 rpm Operation mode Circling Circling Diameter 4.4 mm Permissible moisture 0.8 Ambient Temperature 5-40 °C Protective Class IP21 UK USA Japan or Equivalence to Best Quality	1
103.	Sealing Machine (Impulse/Heat Sealer / Vacuum Sealer)	Voltage & Power, 220V 0.11kw Object length, 40-320mm Air pressure, 0.4-0.6mpa Bottle cap diameter, 45-80mm Bottle height, 60-120mm speed, 15-20bots/min Machine size, 750*700*1300 Total weight, 200kg UK USA Japan Or Equivalent	1
104.	Autoclave	Capacity 50 L Maximum Working Pressure 0.23 MPa Working Pressure 0.22 MPa Working Temperature 134°C Temperature Range 105 to 134°C Sterilization Time 0 to 60 min Heat Average $\leq \pm 1^\circ\text{C}$ Control System Microprocessor Display Type Indicator Light Indicators Working Status & Water Level Indicator Lights Voltage 110/220V, 50/60Hz, Single-Phase Power Consumption 3.0 KW Chamber Size 50L / Ø340 × 550 mm Outer Dimensions 510 × 470 × 1130 mm UK USA Europe Or Equivalent to Best Quality	1
105.	Treadmill	Equipped With a Running Belt, Safety Stop, Handrails, And Digital Display to Monitor Time, Speed, Distance, And Calories Burned. Equivalence To Best Quality	2
106.	Elliptical Machine	A Low-Impact Cardio Exercise Machine with Foot Pedals and Moving Handles, Featuring Adjustable Resistance Levels and A Digital Console to Monitor Time, Speed, Distance, And Calories Burned. Equivalence To Best Quality	2
107.	Dumbbells 0.5-10 Kg	Core Solid Cast Iron or Steel Equivalence To Best Quality	One Complete Set



108.	Stairs Climber	Heavy-Duty Steel Frame, AC Powered: 220–240 V, 50/60 Hz (Or as Per Local Standards) Equivalence To Best Quality	1
109.	Fibertech	Semi-Automated Hot Extraction, Reduced Analytical Errors Through Minimal Handling, Robust and Durable Design, Compatible with A Wide Range of Crucibles and Chemicals, Easy Integration Into Laboratory Workflows, Complaint With ISO And AOAC Methods, Equivalence To Best Quality	1
110.	Bomb Calorimeter	Measuring Range 0 to 50000 J Bomb Volume 250 ml Test Method Isoperibol Test time: 12 min (Fast mode) Test index: Calorific value Temperature Resolution: 0.0001 K Precision $\leq 0.1\%$ Water Requirement: Distilled water Gas Requirement oxygen with 99.99% purity Bomb Identification: Automatic Oxygen Fill and Releasing: Fully Automatic Bucket Fill: Automatic Bomb Washing: Manual Sample Ignition Automatic Network Connection: Available Balance Connection: Available Power 1.5 kW Power Supply 220 V, 50/60 Hz Compatible Gasses. Consumables Cooling Medium Air Compatible laptop, color printer and UPS backup USA, France, UK or equivalent	1
<b>Faculty of Pharmacy</b>			
111.	Capsule filling Machine	Capsule/Plate: upto 144, Manual, Fitting the empty capsules into the machine, Filling the capsules with powder and covering the capsule's function. Various plates size 00, 0, 1, 2, 3, 4.	01
112.	Powder Filling Machine (Pharmaceutical)	Local, China, America, UK, Germany or equivalent, as per pharmacopeial standards.	01
113.	Single Punch Tablet Machine	Max Diameter of Tablet Millimeter: 25 mm Die-set, various Quantity/Shape: 1pc Round (size of choice) 8-10 mm Thickness of Tablet Upto 16-20 mm filling capacity Tablets/Hour: upto 1500-3000 tablet/hr.	01
114.	Friability Test Apparatus	Local, China, America, UK, Germany or equivalent, double drum, speed (typically $25 \pm 1$ rpm), height = 156 mm with each rotation, The apparatus must comply with pharmacopeia standards, from the USP or EP	01

115.	Disintegration Apparatus (4 basket)	Local, China, America, UK, Germany or equivalent, 1000ml Basket, Ambient to 45C temp. range, the apparatus must comply with pharmacopeia standards, from the USP or EP	01
116.	Syrup Filling Machine	Numerical control with Pak Made mini-pump on filling, fluent and accurate. Filling Range: 2ml-3500ml Max Flow Rate: upto 3.2L/min Max Suck Distance Meter: 2m	01
117.	Ampoule gasses	Local, China, America, UK, Germany or equivalent (like Neon, Hydrogen, Helium, Argon) sealed in small glass vials, often under vacuum or inert atmosphere, for scientific display and pharmaceutical preservation)	01
118.	Colloidal Mill	Local, China, America, UK, Germany or equivalent (capacity = upto 10-15 Kg), particle size reduction (microns), Stainless Steel), (vertical/horizontal)	01
119.	Silverson Mixer	Multifunctional high-speed high shear mixing, electric lifting system, User friendly control panel, Material touching parts Stainless steel 304-L, Homogenizer type mixing, upto 100-liter capacity , Electric, S.S body parts	01
120.	Rotary Press	Rotary-type tablet pressing machine (ZP-7), with excellent performance	01
121.	Horizontal Mixer	Manual tilting system for material removal, Spiral Motion Type: Rotary Tilting System Mechanism: Manual, Drum Filling Capacity: 70-80 liters. Drum Mixing Capacity upto 50 liters	01
122.	Wet Granulator	Rotary type, upto 100 kg/hr and 50-rpm	01
123.	Dry Granulator Disintegrator	Oscillating type Output Upto 100 kg/hr. Hopper Capacity 30-40 liters and upto 1440 rpm. S.S body	01
124.	Automatic Ampoule filling machine	Local, China, America, UK, Germany or equivalent, lab scale as per pharmacopeia standards	01
125.	Single blade mixer	Local, China, America, UK, Germany or equivalent lab scale as per pharmacopeia standards	01
126.	Tablet coating conventional pans (2 different sizes)	Local, China, America, UK, Germany or equivalent, as per pharmacopeia standards	01
127.	Screw capping & Sealing machine	Local, China, America, UK, Germany or equivalent lab scale, as per pharmacopeia standards	01
128.	Cone Mixer	Local, China, America, UK, Germany or equivalent (Double Cone Powder Mixer Upto 3Kg)	01
129.	Coating Pan machine	Film coating with organic solvent. upto 50-liters capacity	01

		upto 36" Pan Size, Electric Heater, SS body parts, AC 380 V 50 Hz, 3-Phase	
130.	Ointment Filling Machine (For Tube & Jars)	Local, China, America, UK, Germany or equivalent, lab scale, as per pharmacopeia standards	01
131.	Coating Pressure Tank	Local, China, America, UK, Germany or equivalent, lab scale, as per pharmacopeia standards	01
132.	Sigma Blade Mixer (Upto 5 Kg)	Local, China, America, UK, Germany or equivalent, as per pharmacopeia standards	01
133.	Mechanical Stirrer	UK, Germany, China, Local Pak made or equivalent for industrial laboratory usage (Mixing of Chemical / Solvents) upto 50-100 kg	02
134.	Vernier Caliper (Digital)	Local, China, America, UK, Germany or equivalent	10
135.	Furnace 550°C	Local, China, America, UK, Germany or equivalent	01
136.	Furnace 1000C(SX2.5-10-1000c)	Local, China, America, UK, Germany or equivalent	01
137.	Tray Dryer (With 6 Trays upto 6Kg)	Local, China, America, UK, Germany or equivalent	01
138.	Digital Weight Balance (0.1g-1000g)	Capacity: 1200g Readability: 0.1g Local, China, America, UK, Germany or equivalent	10
139.	Ball Mill (upto 10Kg)	Local, China, America, UK, Germany or equivalent (Lab scale)	01
140.	Filter Press (Plates Type with Vacuum Pressure Pump)	Local, China, America, UK, Germany or equivalent (Lab scale)	01
141.	Water Deionizer Plant	Local, China, USA, UK or equivalent	02
142.	Canvas Line Pan (Polishing purpose)	Local, China, America, UK, Germany or equivalent (Lab scale) as per pharmacopeia standards	01
143.	Sieve No. 10	Local, China, America, UK, Germany or equivalent	01
144.	Sieve No. 20	Local, China, America, UK, Germany or equivalent	01
145.	Sieve No. 30	Local, China, America, UK, Germany or equivalent	01
146.	Sieve No. 40	Local, China, America, UK, Germany or equivalent	01
147.	Sieve No. 60	Local, China, America, UK, Germany or equivalent	01
148.	Sieve No. 80	Local, China, America, UK, Germany or equivalent	01
149.	Sieve No. 100	Local, China, America, UK, Germany or equivalent	01
150.	Sieve Shaker (Full Assembly)	Local, China, America, UK, Germany or equivalent	01
151.	Flame photometer	Gases: LPG, natural gas, propane butane	

		Printer: Integral Thermal Printer Concentration units: ug/ml, mg/100ml, mmol/l, meq/l, Elements: Barium, Sodium, Lithium, Calcium, Potassium, Air Tank: upto 3 Liters, Adjustable Pressure Range, Speed: 1450 – 1700 rpm	01
152.	Suppositories Mold (06 Cavities)	Local, China, America, UK, Germany or equivalent	02
153.	Analytical Balance Machine (0.0001g)	Capacity: 220g Working Temperature: 15~25°C	02
154.	Weight machine Digital with Height	Local, China, America, UK, Germany or equivalent	01
155.	Centrifuge	Max. Speed: 4000r/min Max. Capacity: 6×50ml microcomputer control Time Setting: 0~99min Net Weight: upto 20 kg	02
156.	Desiccator	Local, China, America, UK, Germany or equivalent (Medium size)	06
157.	Distillation Assembly (Glass)	Local, China, America, UK, Germany or equivalent	02
158.	Distillation Assembly (Steel)	Local, China, America, UK, Germany or equivalent	02
159.	Drying Oven	Digital display Hot air is convection type, 18-22L capacity, Natural convection, Shelves: 2 Safety featuresTemp. range (°C):300	01
160.	Fume Hood	Brushed stainless steel work surface, External Size (WxDxH)(mm): 800x620x1130 Control System: 7-inch color touch screen, real-time display air velocity, VOC concentration, temperature and humidity, and filter life time etc., Main Body: Electro-galvanized steel with antimicrobial Powder Coating, Adjustable Airflow System, Filter: 1pcs Pre-filter, Polyester fiber, washable 1pcs Active Carbon filter	01
161.	Glass filtration assembly with pump	Local, China, America, UK, Germany or equivalent	02
162.	Heating Mantel	Local, China, America, UK, Germany or equivalent	05
163.	Hot plate Magnetic stirrer	Powder Coated Aluminium Plate Ceramic Coated, Temp. Range & Accuracy Max.380°C, ±0.3°C at Set Temperature, Timer & Alarm (With Continuous run), Error Status & Timer-end <input type="checkbox"/> Display Digital LCD max weight: upto 3.5kg <input type="checkbox"/> Power Supply & Cord/Plug 1 Phase, AC 120V, 60Hz or AC 230 V, 50/60 Hz	03
164.	Orbital Shaker	Orbital Diameter: 10mm Max. Load Capacity: 3kg Speed Range: 70~400rpm Speed Display: LCD, Temperature and Humidity control	01

		Vast Time Setting Range, Timer Display: LCD	
165.	pH Meter	Automatic electrode slope display for prompt replacement of electrodes. 2-point key calibration, automatic recognition of standard buffers. Economical bench top pH meter, Display: LCD, pH Range: 0.00~14.00pH	02
166.	Refrigerator	Dawlance, Orient, Haier or equivalent, 18CFT	01
167.	Vortex Mixer	Speed Range: 0-3000rpm Speed Display: Scale Motor Type: Shaded pole motor Mixing Motion: Orbital	3
168.	Water Bath (6 holes)	Temperature Range: RT-100°C Temperature accuracy: $\pm 0.1^{\circ}\text{C}$	04
169.	Soxhlet Apparatus 250ml	All accessories, Local, China, America, UK, Germany or equivalent	02
170.	UV Lamp with Handle (with Near/Far lamps)	Merck or equivalent	02
171.	Clinical Thermometer	Local, China, America, UK, Germany or equivalent	24
172.	Hematocrit	Local, China, America, UK, Germany or equivalent	01
173.	Neubauer chamber	Improved type with good quality	20
174.	Patellar hammer	Queen square or short handle	10
175.	Perimeter	Basic for field of vision good quality	10
176.	Sahli's hemoglobinometer	Good quality	15
177.	Snell's eye chart	Good quality	06
178.	Ishihara eye chart	With All color test ranges	06
179.	Student Wet Spirometer	8L - 9L. durable polyethylene and aluminum Including disposable mouthpieces and a one-way plastic valve	02
180.	Tissue Organ bath	Local, China, America, UK, Germany or equivalent, Digital Control with wide temperature range, aeration, and force measurement.	10
181.	Ophthalmoscope	Different lens powers, aperture options, and a light source.	10
182.	Open field apparatus for mice	Arena with transparent or opaque walls of acrylic for mouse, locally made	01
183.	Elevated plus maze for mice	Arm Length: 30cm Arm Width: 5cm Wall Height: 15cm Stand Height: 45cm Material: wood & Acrylic	01
184.	Light and dark box for mice	Walls fit solidly in slotted base, but lift off for easy cleaning. Grey, non-reflective base plate, Light and dark compartments	01
185.	Anelgesia Hot plate	25 to 80 C temperature range, built in electronic timer Digital set points, start/stop foot switch, heated surface $\frac{3}{4}$ anodized aluminum, accuracy of timer 0.01sec, Temperature accuracy 0.1C	01
186.	Sociability cage	Material: Acrylic polycarbonate rectangle Size: 400x200x250mm Dividers: (200 x 220 mm) sliding door of about 50 x 50 mm	01

187.	Y Maze for mice	Mouse 30cm arm length 5cm arm width 15cm arm height Material: Wood & Acrylic Y-shaped	01
188.	T Maze for mice	Stem Length: 35cm. Arm Length: 30cm. Arm Width: 5cm. Arm Height: 15cm. Total Width (Arm to Arm): Approximately 77cm. Central Choice Area: 7cm x 7cm. Material: Typically acrylic, non-reflective and odor-resistant. Wall Height: 1cm (elevated) or 20cm (enclosed).	01
189.	Hole board apparatus for mice	Size: Typically, 40cm x 40cm for mice. Hole Arrangement: 16 holes arranged in a 4x4 grid. Hole Diameter: Usually, 3cm. Board Material: Durable, non-reflective Meth acrylic	01
190.	Morris Water Maze for Mice	Diameter: Typically, 120cm for mice, but can also be 100cm or 150cm. Height: Around 51cm, Round maze with escape platform and internal and external cues of 4 shapes in each quadrant	01
191.	Single Mice Cages	Autoclave able, Fully Transparent Body, Food Grade Quality Material polycarbonate Material, Excellent stake ability for ease of handling and storage, Chrome plated/S.S Top grill ,Provision of fixing water bottle, Provision for feed pallets	10
192.	Trolleys/Racks for mice cages	Trolleys for holding animal Cages mice in hanging or platform types. In hanging type ,cage is kept in the rack. Specifications: - Size of trolley: Cages Capacity= 25 cages Number of cages in /Row =5 Total shelves= 5	2
193.	Cages for Mice with feeding bottles and lock	Autoclave able, Fully Transparent Body, Food Grade Quality Material polycarbonate Material, Excellent stake ability for ease of handling and storage, Chrome plated/S.S Top grill Provision of fixing water bottle, Provision for feed pallets	50
194.	Feeding Bottles for Rodent cages	Graduated 500ml, And Slipper Tube Is Provided in Stainless Steel. leak-proof bottles with silicon rings feature polished with cone shaped, design that maximize water availability for animals	50
195.	Cages for Rabbits along with Trolley	Vertical can hold upto 3 cages Main Frame: Main frame of the cage made of S.S. square pipe of high-quality including top of cage. Door: Cage door has a fixed label holder and arrangement for fixing water bottle and food hopper. The door made of wire mesh. Food Hopper: J shaped food hopper made of SS Water bottle: Polycarbonate/Glass water bottle of capacity 650ml fitted S.S. bent type nozzle Floor Grill: Bottom floor net fixed in the bottom and non-removable type. Tray: Excreta Tray T with S.S. L shaped angle. Cage Size as per racks	03 cages Mounted in Trolley
196.	Rabbit restrainer	Wooden	10
197.	Mice Restrainer	Good quality	10
198.	Oral Gavage tube for mice	High quality Stainless steel	5

199.	Oral Gavage Tube for Rabbits	High quality Stainless steel	5
200.	Forced Swim Apparatus for mice	Made of acrylic for Rats and mouse	01
201.	Window AC for Animal house 1.5 ton	Dawlance, Orient, Haier or equivalent Inverter with heat and cold modes with auto clean feature	01
202.	Electric fan Heater for animal house, large size	Large heater 2000 Watt for Animal house	01
203.	Colony Counter pen	Compatible with Semiautomatic type with wire	02
204.	Microscope with Digital Camera and software	Olympus, Zeiss, Nikon or Equivalent Stage: Double Layers Mechanical Stage 115x125mm/70x30mm Objective: Achromatic Objective 4X,10X,40X,100X trinocular head inclined at 45° Eyepiece: Wide Field , LED Illumination, Brightness Adjustable Halogen Lamp 100V-240V/ 6V20W	01
205.	Eye Piece Camera for Microscope	OHouse, Amscope, Omax or equivalent Minimum 5 megapixel attachable to all microscope eyepiece with USB support to Computer	01
206.	Sonicator	Ultrasonic Power(W)-Max: 70 Heating Power(W): Max 100 Cleaning Basket: Yes, Tank Capacity (2L), upto 60°C Time Setting: 1-99 mins	02
207.	Polarimeter	Measure Range: $\pm 180^\circ$ , Glass sample tubes (50, 100 and 200 mm), sealing rings, sodium lamp, 3X Magnification, Sodium lamp, Optical Wavelength: upto 589nm	01
208.	Digital Incubator	Range: RT $\pm 5^\circ\text{C}$ , Sensor PID Intelligent Controller, Digital LED Display, Timer(min): 0~9999 (with timing waiting function), stainless steel Shelves: 2, Safety functions.	01
209.	Digital Tablet hardness tester	Rockwell, UK, USA, China or equivalent, 110V/220V, Plastic, High accuracy, MPU controlled, USP compliant	01
210.	Pharmaceutical Planetary Mixer (lab scale)	Local, China, America, UK, Germany or equivalent, as per pharmacopoeial standards	01
211.	Stability Chamber	China, USA, German or equivalent, Stability Chamber Single glass Door, 23 Cu Ft, testing under various temperature and humidity levels, Temperature range of $+10^\circ\text{C}$ to $+70^\circ\text{C}$ and humidity range of 30% to 85% RH for diverse testing needs as per ICH, Q1 guidelines	01
212.	Hot Air Oven (20 Liter)	Capacity (L): 30, Display: LCD Display Screen Temperature Range: upto $300^\circ\text{C}$ with 2 Shelves	01
213.	Rotary evaporator with Vacuum pump	Rotating Speed: upto 120 rpm	01

		Temp. Range: RT~99 °C, Chamber Material: SS, Standard Accessory: 1000ml rotary bottle×1, 500ml recycling bottle×1, Rotary Bottle: 1 L, Collecting Bottle: 0.5 L	
214.	WBC Pipette	Local, China, USA, UK or equivalent	50
215.	Sphygmomanometer manual with stand	Local, China, America, UK, Germany or equivalent	5
216.	RBC Pipette	Local, China, USA, UK or equivalent	50
217.	Capillary tubes (1×10 Pack size)	Local, China, USA, UK or equivalent	25 packs
218.	Accu Check instant S Glucometer strips	Local, China, USA, UK or equivalent	50 Packs
219.	Blood Lancets for Accu Check instant S (1×200) Pack size)	Local, China, USA, UK or equivalent	30 Packs
220.	ESR pipette Glass	Local, China, USA, UK or equivalent	100
221.	Condensers glass	24/29 Neck size, pyrex, heat resistant	50
222.	Filled LPG Gas Cylinders (12-15 Kg)	Local, China, USA, UK or equivalent	06
223.	Human Pathology Slide Set	A complete slide box including Necrosis, acute inflammation, chronic inflammation, infarction, thrombosis, embolism, caseous necrosis, Gangrene, atrophy, hyperplasia, metaplasia, hypertrophy, calcification, adenoma, papilloma, Squamous cell carcinoma, Basal cell carcinoma, liposarcoma, Hodgekin and non Hodgekin Lymphomas, and all vital organs pathological slides.	(1*25) 1 Box

**Note:** Partial Bidding is allowed.

Financial Proposal/Technical Proposal will be evaluated on the basis of One person One Bid in terms of Rule 36A (PPRA Rules 2014). No serial # or item name will be changed in the financial proposal. The bidder will quote per unit rate with GST and Total amount with GST as per given serial number/item name in the bidding documents and final contract will be awarded as per item wise to the lowest bidder after completion of codal formalities through e-PADS. The bidder will follow the bidding documents in true letter and spirit.



## **Annexure- A    Technical Proposal Covering Letter**

To

**The Directorate of Purchase& Store(P&S),**  
University of Chakwal,  
Chakwal.

Dear Sir,

We are hereby submitting our Proposal, which includes the Technical Proposal and the Financial Proposal sealed in two separate envelopes. We have attached the **Technical Bid Form, Check List, Detailed Specifications** and the required **supporting documents** along with our Technical Bid.

Yours sincerely,

Authorized Signature

(In full and initials)

Name and Designation of Signatory    Name of Firm    Address

## **Annexure- B Check List**

The bidder must attach this list/documents along with the Bid

### **SUBMISSION AND ARRANGEMENT OF SUPPORTING DOCUMENTS WITH THE TECHICAL BID THROUGH E-PADS.**

The Bidder must provide all the Supporting Documents, number all the pages of supporting documents, provide the page information and arrange the documents in the following order:

documents in the following order:

Enclosures of Technical Proposal		Attached YES/N O	Page#
1	Covering Letter		
2	Copy of Income Tax Registration Certificate		
3	Copy of Sales Tax Registration Certificate		
4	Copy of Professional Tax Challan		
5	Affidavit/Undertaking on the Stamp Paper		
6	Specifications of quoted items on the Letter Head of the bidder with signs/stamp		
7	Three Supply Orders for supply of relevant items received in the past		
8	The specified catalogues / brochures of items quoted by the bidder		
<b>Note:</b> All the above documents and any other supporting document must be numbered and page number must be mentioned in the column specified for the purpose.			
Total Number of pages attached with the Technical Bid		_____ Pages	
9	Tender Document duly signed and stamped each page by the bidder must be attached at the end of the Technical Bid but numbering is not required for this document.		

<b>Enclosures of Financial Proposal</b>		<b>Attach ed YES/N o</b>	<b>Page #</b>
1	Financial Proposal Form duly filled, signed and stamped by the bidder		
2	Price Schedule Form duly filled, signed and stamped by the bidder		
3	Copy of Bid Security in shape of Bank Draft, Pay Order or CDR.		

## **Annexure- C Bid Form**

### A) Profile of the Bidder:

<b>S#</b>	<b>Particulars</b>	<b>BIDDER</b>
1	Name of the Company	
<b><u>2</u></b>	Year of Incorporation	
<b><u>3</u></b>	<b>Registered Office</b>	
	Address	
	Office Telephone Number	
	Fax Number	
<b><u>4</u></b>	<b>Contact Person</b>	
	Name of Authorized Representative	
	Personal Telephone Number	
	Email Address	
<b><u>5</u></b>	<b>Registration Detail</b>	
	NTN Registration Number	
	GST Registration Number	

### B) Bid Security

<b><u>S#</u></b>	<b>Particulars</b>	<b>Please Furnish Details</b>
1	Name of the Bank	
2	Instrument Number and Date	
3	Name of Instrument i.e CDR, Pay Order/Bank Draft etc....	
4	Amount	

**Annexure- D      AFFIDAVIT/BIDDER'S UNDERTAKING ON THE STAMP PAPER**

Ref: **Tender No. 08/2025 (PURCHASE OF MEDICAL & LABORATORY EQUIPMENT'S)**

1. We have examined the Tender/Bid Document and we undertake to meet the requirements regarding supply of Items, warranty and services as required and are prescribed in the Tender Document.
2. It is certified that the information furnished here in and as per the document submitted is true and correct and nothing has been concealed or tampered with.
3. We have read the provisions of Tender/Bid Document and confirm that these are acceptable to us. We further declare that additional conditions, variations, deviations, if any, found in our response shall not be given effect to.
4. We agree to unconditionally accept all the terms and conditions set out in the Tender/Bid Document.
5. We undertake, if our Bid is accepted, to supply the items within the delivery period mentioned in the Tender Document.
6. We understand that no document regarding evaluation criteria will be accepted after opening of the Technical Bids and we are bound to provide all the documentary proofs regarding evaluation criteria or any other supporting document at the time of opening of Technical Bids.
7. We agree that the Purchase/Evaluation Committee of University of Chakwal is not bound to accept the lowest or any of the bids received. We also agree that the Purchase/Evaluation Committee reserves the right in absolute sense to reject all the products/ services specified in the Bid Response without assigning any reason whatsoever under PPRA Rules 2014 amended up to date.

*[Name and Signatures of authorized Person along with stamp]*

## **Annexure- E**

## **Financial Proposal Form**

(to be attached with Financial Proposal)

To

**The Directorate of Purchase & Store (P&S),**  
University of Chakwal,  
Chakwal.

Dear Sir,

With Reference to your Tender No.08/2025 of PURCHASE OF MEDICAL & LABORATORY EQUIPMENT'S; Please find attached our Financial Proposal for the sum of Rs. (insert amount in words and figures). This amount is inclusive of all taxes.

We have attached the Bid Security of amount Rs. \_\_\_\_\_/- (In Words) having CDR, Demand Draft, Pay Order No. along with our Financial Bid.

Yours sincerely,

Authorized Signature

## **Annexure- F                      Price Schedule**

***(Please attach this page along with Financial Bid or quote rates on the Letter Head of the Bidder with signs/stamps)***

### **PURCHASE OF MEDICAL & LABORATORY EQUIPMENT'S**

<b>Sr #</b>	<b>Name of Item</b>	<b>Specifications</b>	<b>Quantity</b>	<b>Unit Price +GST (Rs.)</b>	<b>Total Amount +GST (Rs.)</b>
<b>Department of Mechatronics Engineering</b>					
1.	Multi-meters/power supply		4		
2.	IoT Trainer Kit- Atmel, Espressif, Raspberry Pi		4		
3.	Extension Lead		3		
4.	Screwdriver Set		1		
5.	Soldering Iron		10		
6.	Wire Cutter		2		
7.	Wire stripper		2		
8.	Bread board		25		
9.	Power supply probes		20		
10.	Twister		50		
11.	2 to 3 pin converters		50		
12.	Motor Driver Module		10		
13.	DC Motors (small)		40		
<b>Department of Botany</b>					
14.	Herbarium Specimen Cabinet		4		
15.	Binocular Microscopes		10		
16.	Soxhlet Extraction Unit		1		
17.	Horizontal Autoclave (Double Chamber)		1		
18.	Benchtop Orbital Shaker		1		
19.	Slide Scanner (Digital Microscopy Imaging System)		1		
20.	Lab Incubator		2		
21.	Pipette		1		
22.	Pipette		1		
23.	Pipette		1		
24.	Pipette		1		
25.	Pipette		1		
26.	Pipette		1		
27.	Microwave Oven		1		
28.	Mortar & Pestle		4		
29.	Water Bath (Digital)		1		

30.	First-aid-box		1		
<b>Department Of Zoology</b>					
31.	PCR (thermal cycler / qPCR)		1		
32.	Autoclave		1		
33.	Biosafety cabinet (Class II)		1		
34.	Incubators (standard & CO <sub>2</sub> optional)		2		
35.	Shaker incubator		1		
36.	Rotary evaporator (rotovap)		1		
37.	Soxhlet extractor		4		
38.	Analytical balance		2		
39.	Refrigerated centrifuge		1		
40.	Colony counter		2		
41.	Microscope with camera		2		
42.	Inoculating loop dispenser		10		
43.	Antibiotic disk dispenser		1		
44.	Camera (Wildlife Photography)		1		
45.	Electric grinder / analytical mill		2		
46.	Fish Handling Net		4		
47.	GPS Watch		5		
48.	Bee Hives for Apiculture		5		
49.	Aquarium Cleaner Tool (Magnetic)		6		
50.	Honey Extractor		1		
51.	Queen Excluder		1		
52.	Aquarium Aerator (Air Pump)		4		
53.	Aquarium Heater		4		
54.	Stereo Dissecting Microscope		1		
55.	Bench Top Centrifuge		1		
56.	ELISA Reader		1		
57.	Stereo Zoom Microscope		1		
58.	Inverted Microscope		1		
59.	Embryo Incubator		1		
60.	Fine Dissection Set		2		
61.	DNA extraction kit		1		
<b>Department of Human Nutrition and Dietetics</b>					
62.	Analytical Balance		2		
63.	Digital Balance		3		

64.	Compound Microscope		3		
65.	Refrigerator With Stabilizer		1		
66.	Ph-Meter Bench Top Type with Buffer Solutions (Ph 4, 7, 14)		5		
67.	Laboratory Microwave Oven		1		
68.	Oven Toaster		1		
69.	Hot Plate 2 Burners		2		
70.	Human Skelton		2		
71.	Human Torso		1		
72.	Model Of Human Heart		1		
73.	Model Of Human Kidney		1		
74.	Model Of Human Stomach		1		
75.	Grinder & Lab Mill		2		
76.	Tank For Paper Chromatography		10		
77.	TLC Plates		1 Pack		
78.	Specimen Jars with Lid Air Tight		10 Each		
79.	Specimen Jars with Lid Air Tight		10 Each		
80.	Specimen Jars with Lid Air Tight		10 Each		
81.	White Lab Coats		10		
82.	Glucometer Strips		5 Pack With 50 Pcs Each		
83.	Baking Oven		1		
84.	Air Fryer		1		
85.	Weighing Scale (Adult)		5		
86.	Rowing Machine		1		
87.	Posture Mirror		2		
88.	Yoga Mat		12		
89.	Bicycle		1		
90.	Tummy Trimmer		3		
91.	Twister		2		
92.	Chest Press/Shoulder Press Trainer		1		
93.	First Aid Kit		1		
94.	Foot Step		4 each		
95.	Flame Photometer		1		
96.	Shaker (Orbital / Platform)		1		



97.	Hotplate (Magnetic Stirrer + Hotplate)		1		
98.	Marble Dinner Set		1		
99.	Tea Cup and Saucers		12 Pcs		
100.	Serving Trays		1 Complete Set		
101.	Serving Trays		1 Complete Set		
102.	Vortex Mixer		1		
103.	Sealing Machine (Impulse/Heat Sealer / Vacuum Sealer)		1		
104.	Autoclave		1		
105.	Treadmill		2		
106.	Elliptical Machine		2		
107.	Dumbbells 0.5-10 Kg		One Complete Set		
108.	Stairs Climber		1		
109.	Fibertech		1		
110.	Bomb Calorimeter		1		
<b>Faculty of Pharmacy</b>					
111.	Capsule filling Machine		01		
112.	Powder Filling Machine (Pharmaceutical)		01		
113.	Single Punch Tablet Machine		01		
114.	Friability Test Apparatus		01		
115.	Disintegration Apparatus (4 basket)		01		
116.	Syrup Filling Machine		01		
117.	Ampoule gasses		01		
118.	Colloidal Mill		01		
119.	Silverson Mixer		01		
120.	Rotary Press		01		
121.	Horizontal Mixer		01		
122.	Wet Granulator		01		
123.	Dry Granulator Disintegrator		01		
124.	Automatic Ampoule filling machine		01		
125.	Single blade mixer		01		
126.	Tablet coating conventional pans (2 different sizes)		01		
127.	Screw capping & Sealing machine		01		

128.	Cone Mixer		01		
129.	Coating Pan machine		01		
130.	Ointment Filling Machine (For Tube & Jars)		01		
131.	Coating Pressure Tank		01		
132.	Sigma Blade Mixer (Upto 5 Kg)		01		
133.	Mechanical Stirrer		02		
134.	Vernier Caliper (Digital)		10		
135.	Furnace 550°C		01		
136.	Furnace 1000C(SX2.5-10-1000c)		01		
137.	Tray Dryer (With 6 Trays upto 6Kg)		01		
138.	Digital Weight Balance (0.1g-1000g)		10		
139.	Ball Mill (upto 10Kg)		01		
140.	Filter Press (Plates Type with Vacuum Pressure Pump)		01		
141.	Water Deionizer Plant		02		
142.	Canvas Line Pan (Polishing purpose)		01		
143.	Sieve No. 10		01		
144.	Sieve No. 20		01		
145.	Sieve No. 30		01		
146.	Sieve No. 40		01		
147.	Sieve No. 60		01		
148.	Sieve No. 80		01		
149.	Sieve No. 100		01		
150.	Sieve Shaker (Full Assembly)		01		
151.	Flame photometer		01		
152.	Suppositories Mold (06 Cavities)		02		
153.	Analytical Balance Machine (0.0001g)		02		
154.	Weight machine Digital with Height		01		
155.	Centrifuge		02		
156.	Desiccator		06		
157.	Distillation Assembly (Glass)		02		
158.	Distillation Assembly (Steel)		02		
159.	Drying Oven		01		

160.	Fume Hood		01		
161.	Glass filtration assembly with pump		02		
162.	Heating Mantel		05		
163.	Hot plate Magnetic stirrer		03		
164.	Orbital Shaker		01		
165.	pH Meter		02		
166.	Refrigerator		01		
167.	Vortex Mixer		3		
168.	Water Bath (6 holes)		04		
169.	Soxhlet Apparatus 250ml		02		
170.	UV Lamp with Handle (with Near/Far lamps)		02		
171.	Clinical Thermometer		24		
172.	Hematocrit		01		
173.	Neubauer chamber		20		
174.	Patellar hammer		10		
175.	Perimeter		10		
176.	Sahli's hemoglobinometer		15		
177.	Snell's eye chart		06		
178.	Ishihara eye chart		06		
179.	Student Wet Spirometer		02		
180.	Tissue Organ bath		10		
181.	Ophthalmoscope		10		
182.	Open field apparatus for mice		01		
183.	Elevated plus maze for mice		01		
184.	Light and dark box for mice		01		
185.	Anelgesia Hot plate		01		
186.	Sociability cage		01		
187.	Y Maze for mice		01		
188.	T Maze for mice		01		
189.	Hole board apparatus for mice		01		
190.	Morris Water Maze for Mice		01		
191.	Single Mice Cages		10		
192.	Trolleys/Racks for mice cages		2		
193.	Cages for Mice with feeding bottles and lock		50		
194.	Feeding Bottles for Rodent cages		50		

195.	Cages for Rabbits along with Trolley		03 cages Mounted in Trolley		
196.	Rabbit restrainer		10		
197.	Mice Restrainer		10		
198.	Oral Gavage tube for mice		5		
199.	Oral Gavage Tube for Rabbits		5		
200.	Forced Swim Apparatus for mice		01		
201.	Window AC for Animal house 1.5 ton		01		
202.	Electric fan Heater for animal house, large size		01		
203.	Colony Counter pen		02		
204.	Microscope with Digital Camera and software		01		
205.	Eye Piece Camera for Microscope		01		
206.	Sonicator		02		
207.	Polarimeter		01		
208.	Digital Incubator		01		
209.	Digital Tablet hardness tester		01		
210.	Pharmaceutical Planetary Mixer (lab scale)		01		
211.	Stability Chamber		01		
212.	Hot Air Oven (20 Liter)		01		
213.	Rotary evaporator with Vacuum pump		01		
214.	WBC Pipette		50		
215.	Sphygmomanometer manual with stand		5		
216.	RBC Pipette		50		
217.	Capillary tubes (1×10 Pack size)		25 packs		
218.	Accu Check instant S Glucometer strips		50 Packs		
219.	Blood Lancets for Accu Check instant S (1×200) Pack size)		30 Packs		
220.	ESR pipette Glass		100		
221.	Condensers glass		50		
222.	Filled LPG Gas Cylinders (12-15 Kg)		06		
223.	Human Pathology Slide Set		(1*25) 1 Box		
<b>Total Amount including all Taxes</b>					

## **Annexure- G Contract Agreement Form**

THIS AGREEMENT made the *[day]* day of *[month]* *[year]* between *[University of Chakwal]* (hereinafter called “the University”) of the one part and *[name and address of Supplier]* (hereinafter called “the Supplier”) of the other part:

WHEREAS the University invited Tender for certain goods and related services, viz, *[brief description of goods and related services]* and has accepted a Tender by the Supplier (Supply of Applied Geology Laboratory Equipment) for the supply of those goods and related services in the sum of Rs. ***[Contract Price in figures and in words]*** (hereinafter called “the Contract Price”).

NOW THEREFORE the parties hereby agree as follow:

- 1- The following documents attached shall be deemed to form and integral part of this Contract:
  - i- Tender/Bid Document
  - ii- Letter of Acceptance
  - iii- Performance Guarantee equal to 10% of Contract Price in shape of CDR, Demand Draft or Pay Order.
- 2- The Terms and Conditions of Supply Order/Contract given in the Tender/Bid Document will be applicable.
- 3- The mutual rights and obligations of the University and the Supplier will be preserved in the light of the Terms and Conditions mentioned in the Tender /Bid Document.

IN WITNESS whereof the parties have caused this Contract to be executed in accordance with the laws of Pakistan on the day, month and year written above.

**For University of Chakwal**

**For the Supplier:**

Signature

Print Name

Title