

TENDER DOCUMENT

FOR

**“Procurement of Equipment and Materials for Establishment of
Pharmacy Laboratories at FUUAST”**



**FEDERAL URDU UNIVERSITY OF ARTS, SCIENCES AND
TECHNOLOGY (FUUAST), ISLAMABAD**

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Section I: Invitation for Bids (IFB)

1. The Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad, invites sealed bids from eligible firms, suppliers, and authorized distributors registered with the Income Tax and Sales Tax Departments and appearing on the Active Taxpayers List (ATL) of the Federal Board of Revenue (FBR) for the supply, delivery, and installation of *Equipment and Materials for the Establishment of Pharmacy Laboratories*.
2. Bidding shall be conducted under the Single Stage – One Envelope Procedure as per Rule 36(a) of the Public Procurement Rules, 2004 (PPRA Rules). Bidders shall submit one sealed envelope containing all required documents, including technical specifications, compliance sheets, and financial bid.
3. The Bidding Document is available free of cost on the following websites: PPRA (www.ppra.org.pk), EPAD (www.eprocure.gov.pk), and the FUUAST Official Website (www.fuuastisb.edu.pk).
4. The bids must be accompanied by a Bid Security equivalent to 2% of the total quoted price, in the form of a Pay Order / Demand Draft / Call Deposit Receipt (CDR), valid for at least 120 days beyond the bid opening date, in favour of “FUUAST, Islamabad.”
5. The sealed bids must reach the Procurement Office, FUUAST Islamabad, on or before **Tuesday, November 18, 2025, at 11:00am**. Late bids shall not be accepted.
6. The bids will be opened on the same day at 11:30am, in the presence of bidders or their authorized representatives who may wish to attend.
7. Submission through EPAD is **mandatory**, in addition to submission of hard copies.
8. The Procuring Agency reserves the right to accept or reject any or all bids in accordance with Rule 33 of the PPRA Rules, 2004, without assigning any reason.
9. All applicable taxes and duties shall be deducted at source as per prevailing government rules.

Director (Planning & Development)

Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad

Phone: +92 51 9252860-4

Website: www.fuuastisb.edu.pk

Section II: Instructions to Bidders (ITB)

Clause No.	Title	Description
2.1	GENERAL	
2.1.1	Scope of Bid	This Invitation for Bids is for the procurement, delivery, installation, and commissioning of Equipment and Materials for the Establishment of Pharmacy Laboratories at the Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad, as specified in the Bidding Documents.
2.1.2	Source of Funds	The Procuring Agency has allocated funds for this procurement under its approved budget for the financial year and intends to apply a portion of these funds to cover eligible payments under the resulting contract.
2.1.3	Eligible Bidders	Bidders must be registered with the Income Tax and Sales Tax Departments and appear on the Active Taxpayers List (ATL) of the Federal Board of Revenue (FBR). They must have relevant experience in the supply, delivery, and installation of similar laboratory or scientific equipment.
2.1.4	Eligible Goods and Services	All goods and related services supplied under the contract must conform to the specifications and standards prescribed in the bidding documents and originate from eligible source countries.
2.1.5	Cost of Bidding	The bidder shall bear all costs associated with the preparation and submission of its bid. The Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
2.2	THE BIDDING DOCUMENTS	
2.2.1	Contents of Bidding Documents	The Bidding Documents include: (a) Invitation for Bids (IFB); (b) Instructions to Bidders (ITB); (c) Bid Data Sheet (BDS); (d) Technical Specifications; (e) Schedule of Requirements/BOQ; (f) General Conditions of Contract (GCC); (g) Forms and Appendices; and (h) Checklist.

2.2.2	Clarification of Bidding Documents	A prospective bidder requiring clarification of the Bidding Documents may contact the Procuring Agency in writing at least seven (7) days prior to the deadline for submission of bids. The Procuring Agency will respond in writing and publish the clarification on the PPRA, EPAD, and FUUAST websites.
2.2.3	Amendment of Bidding Documents	The Procuring Agency may, at any time before the deadline for submission of bids, amend the Bidding Documents for any reason. Such amendments will be published on the PPRA, EPAD, and FUUAST websites and shall be binding on all bidders.
2.3	PREPARATION OF BIDS	
2.3.1	Language of Bid	The bid, as well as all correspondence and documents relating to the bid, shall be written in English.
2.3.2	Documents Comprising the Bid	The bid shall comprise the following: (a) Bid Form; (b) Technical BOQ / Compliance Sheet duly filled and signed; (c) Financial Offer; (d) Bid Security; (e) Manufacturer's Authorization (if applicable); and (f) any other supporting documents required by the Procuring Agency.
2.3.3	Bid Prices	Prices shall be quoted in Pakistani Rupees (PKR), inclusive of all applicable taxes and duties. The prices quoted shall be fixed and not subject to escalation or adjustment during the execution of the contract.
2.3.4	Bid Security	All bids must be accompanied by a Bid Security equal to 2% of the total quoted price, in the form of a Pay Order / Demand Draft / Call Deposit Receipt (CDR) valid for at least 120 days beyond the bid opening date, in favour of "FUUAST, Islamabad."
2.3.5	Period of Validity of Bids	Bids shall remain valid for a minimum period of ninety (90) days after the date of bid opening.
2.3.6	Format and Signing of Bid	The bid shall be typed or written in indelible ink and signed by the bidder or by a person duly authorized. Any interlineations, erasures, or overwriting must be initialed by the person signing the bid.
2.4	SUBMISSION OF BIDS	
2.4.1	Sealing and Marking of Bids	Bidders shall submit their bids in one sealed envelope , clearly marked with the title <i>"Procurement of Equipment and Materials for Establishment of Pharmacy Laboratories."</i> The envelope shall contain all required documents including technical and financial details.

2.4.2	Deadline for Submission of Bids	Bids must be received by the Procuring Agency on or before Tuesday, November 18, 2025, at 11:00 a.m. , in the Procurement Office, FUUAST Islamabad , and through the Electronic Public Procurement Application & Data Portal (EPAD) at www.eprocure.gov.pk . Submission through EPAD is mandatory in addition to submission of sealed hard copies. Late bids shall not be accepted.
2.4.3	Late Bids	Any bid received after the deadline for submission shall be returned unopened to the bidder.
2.4.4	Submission via EPAD	Submission through the Electronic Procurement Application Dashboard (EPAD) is compulsory, in addition to submission of hard copies.
2.5	OPENING AND EVALUATION OF BIDS	
2.5.1	Opening of Bids	The Procuring Agency shall open all bids received on or before the deadline, in the presence of bidders or their authorized representatives, at the date, time, and venue specified in the Invitation for Bids.
2.5.2	Preliminary Examination	The Procuring Agency shall examine the bids to determine whether they are complete, properly signed, accompanied by the required Bid Security, and conform to the submission requirements. Only substantially responsive bids will proceed to detailed evaluation in accordance with Section VIII – Evaluation Criteria .
2.5.3	Evaluation of Bids	The Procuring Agency shall evaluate all bids to determine their compliance with the required technical specifications, quality standards, and bidder qualifications. Evaluation shall be conducted on a weighted basis, comprising Technical Evaluation (50 marks) and Financial Evaluation (50 marks), in accordance with the detailed criteria specified in Section VIII – Evaluation Criteria. The bidder obtaining the highest combined weighted score and meeting all mandatory requirements shall be declared the lowest evaluated responsive bidder and recommended for award.
2.5.4	Clarification of Bids	To assist in evaluation, the Procuring Agency may request clarification from any bidder in writing. However, no change in price or substance of the bid shall be permitted.

2.5.5	Grievance Redressal	Any bidder feeling aggrieved may file a written complaint to the Grievance Redressal Committee constituted by FUUAST, in accordance with Rule 48 of the PPRA Rules, 2004.
2.6	AWARD OF CONTRACT	
2.6.1	Award Criteria	The contract shall be awarded to the bidder whose bid has been determined to be the lowest evaluated responsive bid , provided that the bidder is determined to be qualified to perform the contract satisfactorily.
2.6.2	Notification of Award	Prior to the expiration of the bid validity period, the Procuring Agency shall notify the successful bidder in writing through a Letter of Acceptance (LoA) .
2.6.3	Performance Guarantee	The successful bidder shall furnish a Performance Guarantee equivalent to ten percent (10%) of the contract value within fifteen (15) days of issuance of the Letter of Acceptance.
2.6.4	Signing of Contract	Within seven (7) days of submission of the Performance Guarantee, the Procuring Agency and the successful bidder shall sign the Contract Agreement.
2.6.5	Right to Accept or Reject	The Procuring Agency reserves the right to accept or reject any or all bids as per Rule 33 of the PPRA Rules, 2004, without assigning any reason.

Section III: Bid Data Sheet (BDS)

(To be read in conjunction with Section II – Instructions to Bidders)

Clause No. (ITB Reference)	Description	Details / Data
ITB 1.1	Procuring Agency	Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad
ITB 1.2	Project Title	Procurement of Equipment and Materials for Establishment of Pharmacy Laboratories
ITB 1.3	Tender Reference No.	FUUAST/P&D/Pharmacy-Labs/2025
ITB 2.1	Funding Source	University Development Funds / HEC Allocation
ITB 2.2	Cost of Bidding Documents	Free of cost
ITB 2.3	Availability of Documents	Bidding Documents available on:• PPRA (www.ppra.org.pk)• EPAD (www.eprocure.gov.pk)• FUUAST (www.fuuastisb.edu.pk)Office of Director (Planning & Development), FUUAST Islamabad
ITB 2.4	Language of Bid	English
ITB 2.5	Bid Currency	Pakistani Rupees (PKR) only
ITB 2.6	Bid Security Amount and Form	2 % of the total bid value in the form of Pay Order / Demand Draft / Call Deposit Receipt (CDR) in favour of “FUUAST, Islamabad,” valid for at least 120 days beyond bid opening.
ITB 2.7	Sealing and Marking of Bids	One sealed envelope containing complete bid (technical details, compliance sheet and price offer) clearly marked with the tender title and reference number.
ITB 2.8	Bid Submission Deadline	Bids must be received by the Procuring Agency on or before Tuesday, November 18, 2025, at 11:00 a.m., in the Procurement Office, FUUAST Islamabad, and through the Electronic Public Procurement Application & Data Portal (EPAD) at www.eprocure.gov.pk . Submission through EPAD is mandatory in addition to

		submission of sealed hard copies. Late bids shall not be accepted.
ITB 2.9	Bid Opening	Same day at 11:30 a.m. (PKT) in the Conference Room, FUUAST Islamabad, in the presence of bidders or their authorized representatives.
ITB 2.10	Bid Validity Period	90 days from the date of opening of bids.
ITB 2.11	Performance Security	10 % of the total contract value in form of Demand Draft in favors of <i>FUUAST, Islamabad</i>
ITB 2.12	Warranty Period	Minimum 12 months for equipment and instruments only. Consumables and chemicals shall be exempted from warranty but must meet quality and specification standards at delivery.
ITB 2.13	Delivery Schedule	Within 45 days from the date of issuance of Purchase Order / Contract Award.
ITB 2.14	Delivery Location	Department of Pharmacy, FUUAST Islamabad.
ITB 2.15	Payment Terms	90 % on successful delivery and installation; 10 % after inspection and final acceptance.
ITB 2.16	Mode of Procurement	Single Stage – One Envelope Procedure under Rule 36(a) of PPRA Rules 2004.
ITB 2.17	Bid Evaluation Method	Lowest Evaluated Responsive Bid meeting required specifications and delivery schedule.
ITB 2.18	Address for Clarifications	Director (Planning & Development), Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad. Email: dr.rahmat@fuuast.edu.pk
ITB 2.19	Publication of Tender Notice	PPRA Website (www.ppra.org.pk), EPAD (www.eprocure.gov.pk), and FUUAST Website (www.fuuastisb.edu.pk).
ITB 2.20	Right to Accept or Reject	The Procuring Agency reserves the right to accept or reject any or all bids as per Rule 33 of PPRA Rules 2004, without assigning any reason.

Section IV – Technical Specifications

Clause No.	Title	Description / Requirement
1	General Requirements	1. All goods, materials, and equipment to be supplied under this contract shall be brand new, unused, and of the latest model in current production. 2. The offered items must conform to the technical specifications provided in: • Annexure A • Annexure B (where applicable). 3. Items must comply with recognized international laboratory and safety standards (ISO, CE, EN, or equivalent). 4. The bidder must provide manufacturer's catalogues, datasheets, or brochures confirming the specifications of offered items.
2	Compliance Statement (Technical BOQ)	1. Each bidder shall submit a duly filled Technical BOQ / Compliance Sheet corresponding to Annexure A, B clearly stating: • "Bidder's Offered Specification" • "Compliance (Yes/No)" 2. Any deviation from required specifications must be explicitly stated and supported with documentation. 3. Bids without detailed compliance sheets will be considered non-responsive.
3	Standards and Quality	1. All laboratory equipment, instruments, glassware, and consumables shall be manufactured according to recognized international standards. 2. Materials shall be corrosion-resistant, non-contaminating, and suitable for use in educational and research laboratories. 3. All measuring instruments shall be factory-calibrated with valid calibration certificates (where applicable).
4	Warranty Requirements	1. All laboratory equipment and instruments shall carry a minimum one-year (12 months) warranty from the date of installation and acceptance. 2. Consumables, chemicals, and glassware shall not require a warranty but must be new, unused, and free from defects at the time of supply. 3. During the warranty period, the supplier shall provide free maintenance and replacement of defective parts for equipment and instruments only.
5	Installation and Commissioning	1. The supplier shall be responsible for delivery, installation, testing, and commissioning of all items at the Department of Pharmacy, FUUAST Islamabad.

		2. Installation shall be carried out by qualified technical staff at the designated laboratory locations. 3. Supplier must provide on-site operational training to relevant university staff after installation.
6	Packaging, Labeling, and Transportation	1. All goods shall be packed in durable, secure packaging suitable for handling and transportation to the delivery site. 2. Each package shall be clearly labeled with: • Item Name • Laboratory Name • Contract Number • Supplier Name 3. Fragile items (e.g., glassware, instruments) shall be marked "FRAGILE – HANDLE WITH CARE." 4. Chemicals shall be labeled as per MSDS (Material Safety Data Sheet) standards and international transport regulations.
7	Inspection and Acceptance	1. All items will be inspected upon delivery by the University's Technical Evaluation/Inspection Committee. 2. Acceptance shall be based on: a. Conformity with technical specifications. b. Physical condition and performance during installation. c. Verification of warranty and documentation. 3. Any rejected or non-conforming item shall be replaced within fifteen (15) days at no additional cost.
8	Training and Documentation	1. The supplier shall provide basic user training and demonstrations to end-users (faculty/lab staff). 2. The following documents shall be supplied at the time of delivery: • Delivery challan and invoice • User/operation manuals • Warranty certificates • Manufacturer's authorization (if applicable) • Calibration certificates (where required) • Material Safety Data Sheets (for chemicals)
9	Performance Standards	1. The performance of supplied items shall meet the functional requirements of respective laboratory operations. 2. Any malfunction or deviation from required standards during inspection or warranty shall be rectified immediately by the supplier.
10	Compliance Reference	All items and specifications listed in Annexure A and Annexure B shall constitute the detailed technical part of these specifications and shall be used for technical evaluation.

Additional Instructions to Bidders:

1. Bidders must **not leave any item unquoted**. Partial or conditional offers shall be rejected.
2. Equivalent or superior products may be quoted **only if** clearly supported by technical documentation.
3. All equipment and materials must be **supplied, installed, and tested** to the satisfaction of the Procuring Agency.

Section V – General Conditions of Contract (GCC)

(Applicable to all procurements under this contract)

Clause No.	Title	Description / Condition
1	Definitions	In this Contract, the following terms shall have the meanings assigned to them: • <i>“Procuring Agency”</i> means the Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad. • <i>“Supplier”</i> means the successful bidder with whom the contract is signed. • <i>“Goods”</i> means all equipment, materials, and related services specified in the Schedule of Requirements. • <i>“Contract”</i> means the agreement entered into between the Procuring Agency and the Supplier for the supply of Goods and Services.
2	Applicable Law	The Contract shall be governed by and interpreted in accordance with the laws of the Islamic Republic of Pakistan and the Public Procurement Rules, 2004.
3	Language	The Contract and all correspondence shall be written in English.
4	Country of Origin	All goods and materials shall originate from countries eligible under the Public Procurement Rules, 2004.
5	Standards	The Goods supplied shall conform to the standards specified in the Technical Specifications and, where no standards are specified, to internationally recognized laboratory standards (ISO, CE, EN, or equivalent).
6	Use of Contract Documents and Information	The Supplier shall not, without prior written consent of the Procuring Agency, disclose any contract-related information or use it for purposes other than performance of the Contract.
7	Performance Guarantee	The Supplier shall furnish a Performance Guarantee equal to ten percent (10%) of the total contract value within seven (07) days of issuance of the Letter of Acceptance. The Performance Guarantee shall be in the form of Demand Draft and remain valid until completion of the warranty period or one (01) year from the date of delivery, whichever is later.
8	Inspections and Tests	The Procuring Agency or its authorized representative shall have the right to inspect and/or test the Goods to verify their conformity with specifications. Any inspected or tested goods

		found defective shall be rejected and replaced by the Supplier at no additional cost.
9	Packing and Marking	The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to the final destination, as per best commercial practices.
10	Delivery and Documents	The Supplier shall deliver the Goods in accordance with the schedule specified in the Contract/Purchase Order. The following documents shall be submitted at the time of delivery:• Delivery challan and invoice• Manufacturer's warranty certificate• User manuals and datasheets• Calibration certificates (where applicable).
11	Transportation and Insurance	The Supplier shall arrange transportation and insurance of the Goods up to the delivery site at its own cost and risk. Ownership and risk shall transfer to the Procuring Agency upon final acceptance.
12	Incidental Services	The Supplier shall provide all related services such as installation, commissioning, on-site testing, and operational training of the Procuring Agency's staff, as specified in the Technical Specifications.
13	Warranty	All durable laboratory equipment and instruments shall carry a minimum one-year (12 months) warranty from the date of installation and acceptance. Consumable items, glassware, and chemicals shall be exempted from the warranty requirement, but must be free from manufacturing defects at the time of delivery.
14	Payment Terms	Payment shall be made in Pakistani Rupees (PKR) as follows:• 90% upon successful delivery, installation, and preliminary inspection.• 10% after final inspection, acceptance, and submission of warranty documentation.
15	Prices	Prices quoted by the Supplier shall remain fixed and not subject to escalation for any reason during the execution of the Contract.
16	Change Orders / Variations	The Procuring Agency may, at any time, request the Supplier to increase or decrease the quantity of Goods or related services. Adjustments, if any, shall be made through a written amendment to the Contract.

17	Contract Amendments	No variation in or modification of the terms of the Contract shall be made except by written amendment signed by both parties.
18	Assignment and Subcontracts	The Supplier shall not assign, transfer, or subcontract any portion of the Contract without the prior written consent of the Procuring Agency.
19	Delays in Supplier's Performance	Delivery of Goods and performance of services shall be in accordance with the delivery schedule. Any delay due to reasons other than force majeure shall subject the Supplier to penalties as provided in the Contract.
20	Liquidated Damages	If the Supplier fails to deliver any or all of the Goods within the specified period, the Procuring Agency may deduct liquidated damages at the rate of 0.1% of the contract value per day , up to a maximum of 10% of the total contract value.
21	Force Majeure	The Supplier shall not be liable for penalties or termination if failure to perform is due to events beyond reasonable control, such as acts of God, war, or natural disasters. The Supplier must notify the Procuring Agency in writing within seven (7) days of such an event.
22	Termination for Default	The Procuring Agency may, without prejudice to any other remedy, terminate the Contract if the Supplier fails to perform obligations or breaches any terms and conditions of the Contract.
23	Termination for Convenience	The Procuring Agency may terminate the Contract, in whole or in part, for its convenience by giving fifteen (15) days written notice to the Supplier. The Supplier shall be paid for the portion of work completed prior to termination.
24	Resolution of Disputes	The Procuring Agency and the Supplier shall make every effort to amicably resolve any dispute arising from the Contract. Failing such resolution, the matter shall be referred to arbitration under the Arbitration Act, 1940 , in Islamabad.
25	Governing Language and Notices	All contract correspondence and notices shall be in English and addressed to the official contact persons specified in the Contract.
26	Taxes and Duties	All applicable taxes and duties shall be deducted at source as per prevailing Government rules and regulations.

27	Right to Accept or Reject	The Procuring Agency reserves the right to accept or reject any or all bids or terminate the Contract in accordance with Rule 33 of the Public Procurement Rules, 2004.
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Section VI – Schedule of Requirements

Clause No.	Title	Description / Requirements
1	Scope	The successful bidder shall supply, install, and commission all laboratory equipment, glassware, and chemicals specified in the Bidding Documents for the Department of Pharmacy, including: 1) Pharmaceutics / Physical Pharmacy Lab 2) Pharmaceutical Chemistry & Biochemistry Lab 3) Basic Medical Sciences Lab 4) Microbiology Lab 5) Pharmacognosy Lab.
2	Delivery Schedule	All items shall be delivered, installed, and commissioned within 45 days of contract signing, unless otherwise approved by the Procuring Agency. Delivery Location: Department of Pharmacy, FUUAST Islamabad.
3	Packaging and Marking	Each package shall bear the tender title, contract number, supplier name, and laboratory name . Fragile or chemical materials must be packed and labeled as per MSDS and international transport standards .
4	Inspection and Acceptance	Inspection and acceptance shall be carried out by the Technical Evaluation / Inspection Committee in accordance with Clause 8 of the GCC . Any rejected or non-conforming item shall be replaced within fifteen (15) days at no additional cost.
5	Documentation Required at Delivery	The following documents shall accompany each delivery: - Original Delivery Challan and Invoice - Packing List with Serial Numbers - Warranty Certificates - Manufacturer's Authorization (if applicable) - User Manuals / MSDS (where applicable).
6	Warranty and After-Sales Service	As specified in Clause 13 of the GCC . All durable equipment shall carry a minimum 12-month warranty ; consumables and chemicals are exempt but must be new and defect-free. Supplier shall ensure availability of spare parts for 3 years .
7	Payment Schedule	As per Clause 14 of the GCC : - 90% upon successful delivery and installation; - 10% after final acceptance and submission of warranty documents.
8	Liquidated Damages	As per Clause 20 of the GCC : The Procuring Agency may deduct liquidated damages at the rate of 0.1% of the contract value per day of delay , up to a maximum of 10% of the total contract

		value, unless an extension is granted by the Procuring Agency for valid reasons.
9	Delivery Address	Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad. Tel: +92-51-9252860

Section VII – Bid Submission Forms

(To be completed, signed, and stamped by the bidder)

Form 1: Bid Form (Technical Proposal Cover Letter)

Tender Reference: _____

Date: _____

To:

The Director (Planning & Development)
Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad.

Subject: *Technical Proposal Submission – Procurement of Equipment and Materials for Establishment of Pharmacy Laboratories*

Dear Sir,

Having examined the Bidding Documents, including the Invitation for Bids (IFB), Instructions to Bidders, Bid Data Sheet, and Technical Specifications, we, the undersigned, offer to supply and deliver the goods described in conformity with these documents.

We confirm that:

1. All equipment, instruments, and materials offered are **brand new**, of **current production**, and conform to the specifications provided.
2. We agree to deliver and install all goods at **Faculty of Pharmacy, FUUAST Islamabad**, within the period specified in the Schedule of Requirements.
3. Our bid shall remain valid for **ninety (90) days** from the date of bid opening.
4. The required **Bid Security** in the amount of **2% of the total bid value** is enclosed herewith.
5. We understand that the Procuring Agency is not bound to accept the lowest or any bid it may receive.

We confirm that all the information provided is true and correct to the best of our knowledge.

Sincerely,

Authorized Signature: _____

Name & Title: _____

Company Name: _____

Official Seal: _____

Address: _____

Phone / Email: _____

Form 2 – Price Schedule (Bill of Quantities / BOQ Template)

(To be submitted with Financial Proposal – Envelope-II)

Tender Title: Procurement of Equipment and Materials for Establishment of Pharmacy

Instructions to Bidders

1. This Price Schedule serves as the **Bill of Quantities (BOQ)** for this procurement.
2. The bidder shall quote **unit and total prices** for each item, inclusive of **all applicable taxes, duties, delivery, installation, and commissioning charges**.
3. In case of discrepancy between unit price and total price, the **unit price shall prevail**.
4. Quantities are indicative; the Procuring Agency reserves the right to increase or decrease quantities by up to **15%** as per PPRA Rules.

S. No.	Description of Item	Quantity	Price (PKR)	GST	Total Price (PKR) incl. GST
1	Basic Medical Sciences Lab (Apparatus/Instruments/Equipment's/Models/ Glassware)	As per Annexure A			
2	Microbiology Lab (Apparatus/Instruments/Equipment's/Models/ Glassware)	As per Annexure A			
3	Pharmaceutical Chemistry Lab (Apparatus/Instruments/Equipment's/Models/ Glassware)	As per Annexure A			
4	Pharmaceutics Lab (Apparatus/Instruments/Equipment's/Models/ Glassware)	As per Annexure A			
5	Pharmacognosy Lab (Apparatus/Instruments/Equipment's/Models/ Glassware)	As per Annexure A			
6	Chemicals and Reagents	As per Annexure B			
Total Bid Value (PKR)					_____

Note:

1. Attach printed manufacturer catalogues and detailed specifications for all quoted items.

Authorized Signature: _____

Name & Designation: _____

Company Seal: _____

Detailed BOQ (Financial)

S. No	Category	Item Description	Quantity	Unit	Brand / Model / Origin	Unit Price (PKR)	Total Price (PKR)
A. Basic Medical Sciences Laboratory							
1	Apparatus	ESR Stand	33	pcs			
2	Apparatus	Ishihara Chart	5	pcs			
3	Apparatus	Snellen Chart	2	pcs			
4	Apparatus	Barometer	5	pcs			
5	Apparatus	Neubauer Chamber	25	pcs			
6	Apparatus	RBC Pipette	23	pcs			
7	Apparatus	WBC Pipette	16	pcs			
8	Apparatus	Haemometer	8	pcs			
9	Apparatus	Organ Bath	10	pcs			
10	Equipment	Water Bath	3	pcs			
11	Equipment	Triple Beam Balance	2	pcs			
12	Equipment	Stethoscope	27	pcs			
13	Equipment	Weighing Balance	6	pcs			
14	Equipment	Perimeter	9	pcs			
15	Equipment	Incentive Spirometer	9	pcs			
16	Equipment	Kymograph	13	pcs			
17	Equipment	Microscope	8	pcs			
18	Equipment	Weight & Height Measuring Scale	1	pc			
19	Models	Anatomical and Physiological Models (Full Set)	1	set			
20	Glassware	Histology Slides	86	pcs			
21	Glassware	Microscopic Slides	3	packs			
22	Glassware	Glass Slide Cover Slips	5	pcs			
Subtotal (A)							
B. Microbiology Laboratory							
1	Instrument	Safety Goggles	4	pcs			

2	Instrument	Magnifying Glass	3	pcs			
3	Consumable	Disposable Gloves	1	pack			
4	Instrument	Autoclave	1	pc			
5	Instrument	Weighing Balance	6	pcs			
6	Instrument	Clean Bench (Laminar Flow Hood)	1	pc			
7	Instrument	Microscope	8	pcs			
8	Glassware	Microscopic Slides	5	boxes			
9	Instrument	Drying Oven	1	pc			
10	Instrument	Digital Colony Counter	1	pc			
11	Instrument	Bunsen Burner	9	pcs			
12	Instrument	Water Bath	5	pcs			
13	Instrument	Incubator	1	pc			
14	Instrument	pH Meter	2	pcs			
15	Glassware	Petri Dish	23	pcs			
16	Glassware	Inoculation Tube	5	pcs			
17	Glassware	Dissection Set	1	pc			
18	Instrument	Cool Incubator	1	pc			
19	Glassware	Beakers (25–2000 mL)	16	pcs			
20	Glassware	Conical Flasks (50–250 mL)	22	pcs			
21	Glassware	Funnels (60–75 mm)	16	pcs			
22	Glassware	Test Tubes	26	pcs			
23	Glassware	Volumetric Flask (100 mL)	5	pcs			
24	Glassware	Volumetric Flask (500 mL)	4	pcs			
25	Glassware	Volumetric Flask (1000 mL)	2	pcs			
26-36	Chemicals	(All 11 chemicals listed)	11	items			
Subtotal (B)							
C. Pharmaceutical Chemistry Laboratory							
1	Apparatus	Bunsen Burner	10	pcs			
2	Apparatus	Burette Stand	1	pc			
3	Apparatus	Microscopic Slides	2	packs			

4	Apparatus	ESR Stand	4	pcs			
5	Apparatus	Desiccator	1	pc			
6	Apparatus	Test Tube Holder	1	pc			
7	Apparatus	Spirit Lamp	2	pcs			
8	Apparatus	Disposable Gloves	1	pack			
9	Apparatus	Dropper	15	pcs			
10	Apparatus	Spatula	5	pcs			
11	Apparatus	Micro Spatula	7	pcs			
12	Equipment	Water Bath	3	pcs			
13	Equipment	Microscope	8	pcs			
14	Equipment	Triple Beam Balance	1	pc			
15	Equipment	Drying Oven	1	pc			
16	Equipment	Hematocrit Centrifuge	1	pc			
17	Equipment	Melting Point Apparatus	2	pcs			
18	Equipment	Heating Mantle	1	pc			
19	Equipment	Weighing Balance	2	pcs			
20	Equipment	pH Meter	5	pcs			
21	Equipment	Digital pH Meter	2	pcs			
22	Equipment	Micropipette	1	pc			
23	Equipment	Separating Funnel	3	pcs			
24	Equipment	Spectrophotometer (Single Beam)	1	pc			
25	Glassware	Pipette (10 mL)	8	pcs			
26	Glassware	Test Tubes	25	pcs			
27	Glassware	Beakers (25–2000 mL assorted)	18	pcs			
28	Glassware	Funnel (60 mm, 75 mm)	16	pcs			
29	Glassware	Round Bottom Flask (100–1000 mL)	27	pcs			
30	Glassware	Conical Flask (100–250 mL)	43	pcs			
31	Glassware	Volumetric Flask (100–1000 mL)	14	pcs			
32	Glassware	Measuring Cylinder (25–250 mL)	8	pcs			
33	Glassware	Safety Goggles	5	pcs			
34	Glassware	Petri Dish	17	pcs			

35	Glassware	Reagent Bottles	17	pcs			
Subtotal (C)							
D. Pharmaceuticals Laboratory							
1	Equipment	Distillation Assembly	1	pc			
2	Equipment	Water Bath	4	pcs			
3	Equipment	Microscope	5	pcs			
4	Equipment	Vernier Caliper	12	pcs			
5	Equipment	Screw Gauge	10	pcs			
6	Equipment	Weighing Balance	3	pcs			
7	Equipment	Thermometer	10	pcs			
8	Equipment	pH Meter	3	pcs			
9	Equipment	Desiccator	3	pcs			
10	Equipment	Digital pH Meter	1	pc			
11	Equipment	Heating Mantle	1	pc			
12	Equipment	Buffer Solution (pH 4, 7, 10)	1	set			
13	Equipment	Triple Beam Balance	1	pc			
14	Glassware	Beakers (50–2000 mL assorted)	20	pcs			
15	Glassware	Conical Flasks (50–250 mL assorted)	35	pcs			
16	Glassware	Funnels	23	pcs			
17	Glassware	Magnifying Glass	3	pcs			
18	Glassware	Petri Dish	10	pcs			
19	Glassware	Pipette (10–20 mL)	16	pcs			
20	Glassware	Pycnometer	37	pcs			
21	Glassware	Round Bottom Flask (50–1000 mL)	52	pcs			
22	Glassware	Safety Goggles	6	pcs			
23	Glassware	Separating Funnel (100–250 mL)	16	pcs			
24	Glassware	Volumetric Pipette (10 mL)	10	pcs			
25	Glassware	Volumetric Flask (250 mL)	1	pc			
26	Glassware	Micropipette	14	pcs			
27	Glassware	Glass Vials (48 pcs / box)	1	box			
28	Apparatus	Borosilicate Viscometer	12	pcs			

29	Apparatus	Filtration Assembly	1	pc			
30	Apparatus	Bunsen Burner	8	pcs			
31	Apparatus	Condenser	55	pcs			
32	Apparatus	Pestle and Mortar	4	pcs			
33	Apparatus	Spatulas	4	pcs			
34	Apparatus	Crucibles	1	box			
35	Apparatus	Reagent Bottles	38	pcs			
36	Apparatus	Connectors	19	pcs			
37	Apparatus	Cones	2	boxes			
38	Apparatus	Desiccator	3	pcs			
39	Apparatus	Sieve Set	1	set			
40	Apparatus	Measuring Cylinders (25–250 mL)	23	pcs			
41	Apparatus	Volumetric Flask (500–1000 mL)	6	pcs			
42	Apparatus	Burette (50 mL)	19	pcs			
43	Apparatus	Stalagmometer	2	pcs			
Subtotal (D)							
E. Pharmacognosy Laboratory							
1	Equipment	Water Bath	5	pcs			
2	Equipment	Microscope	9	pcs			
3	Equipment	Desiccator	4	pcs			
4	Equipment	Filtration Assembly	2	pcs			
5	Equipment	Heating Mantle	1	pc			
6	Equipment	Drying Oven	2	pcs			
7	Equipment	Weighing Balance	7	pcs			
8	Equipment	Triple Beam Balance	1	pc			
9	Equipment	Vortex Mixer	1	pc			
10	Equipment	Test Tube Rack	1	pc			
11	Equipment	Test Tubes	60	pcs			
12	Equipment	Test Tube Holder	4	pcs			
13	Equipment	Stand (Universal Support)	3	pcs			
14	Equipment	Separating Funnel (100 mL)	1	pc			

15	Equipment	Microtome	1	pc			
16	Equipment	Centrifuge (bench-top)	2	pcs			
17	Apparatus	Whatman Filter Paper	1	pack			
18	Apparatus	Spatulas	4	pcs			
19	Apparatus	Micro Spatulas	3	pcs			
20	Apparatus	Bunsen Burner	11	pcs			
21	Apparatus	Pestle and Mortar	4	pcs			
22	Apparatus	Watch Glass	6	pcs			
23	Apparatus	Magnifying Glass	2	pcs			
24	Apparatus	Safety Goggles	2	pcs			
25	Apparatus	Microscope Slides	6	boxes			
26	Apparatus	Cover Slides	3	boxes			
27	Glassware	Capillary Tubes	2	packs			
28	Glassware	Funnel	2	pcs			
29	Glassware	Round Bottom Flask (1000 mL)	1	pc			
30	Glassware	Round Bottom Flask (250 mL)	1	pc			
31	Glassware	Volumetric Flask (250 mL)	4	pcs			
32	Glassware	Conical Flask (50 mL)	5	pcs			
33	Glassware	Conical Flask (250 mL)	7	pcs			
34	Glassware	Beaker (50–2000 mL assorted)	21	pcs			
35	Glassware	Reagent Bottles	13	pcs			
36	Glassware	Petri Dishes	14	pcs			
37	Glassware	Graduated Cylinder (25–100 mL)	6	pcs			
38	Crude Drugs	Collection of 47 Crude Drugs (herbal specimens, preserved in jars)	47	jars			
Subtotal (E)							
F. List of Chemicals							
S. No.	Category	Chemical Name	Quantity	Est. Pack Size	Brand / Grade / Origin	Unit Price (PKR)	Total Price (PKR)
1	Chemical	1,3-Dichloropropane	1	500 mL			
2	Chemical	2,4-Dinitrophenylhydrazine	1	25 g			
3	Chemical	2-Amino-1,3-thiazole	1	25 g			

4	Chemical	α -Naphthol	1	25 g			
5	Chemical	Acetone	1	2.5 L			
6	Chemical	Acetyl chloride	1	500 mL			
7	Chemical	Acetic acid (glacial)	1	2.5 L			
8	Chemical	Acetic anhydride	1	1 L			
9	Chemical	Activated charcoal	1	500 g			
10	Chemical	Adrenaline solution	1	10 mL vial			
11	Chemical	Agar powder	1	250 g			
12	Chemical	Alcohol (95%)	1	2.5 L			
13	Chemical	Ammonia solution	1	1 L			
14	Chemical	Ammonium acetate	1	500 g			
15	Chemical	Ammonium chloride	1	500 g			
16	Chemical	Ammonium hydroxide	1	1 L			
17	Chemical	Aniline	1	500 mL			
18	Chemical	Anthrone	1	25 g			
19	Chemical	Antibiotic discs (Ampicillin, Ciprofloxacin, etc.)	1	pack of 100			
20	Chemical	Ascorbic acid (Vitamin C)	1	100 g			
21	Chemical	Barfoed's reagent	1	250 mL			
22	Chemical	Barium chloride	1	500 g			
23	Chemical	Beef extract	1	500 g			
24	Chemical	Benedict's reagent	1	500 mL			
25	Chemical	Benedict's reagent components	1	set			
26	Chemical	Benzaldehyde	1	500 mL			
27	Chemical	Benzoyl chloride	1	500 mL			
28	Chemical	Bentonite	1	500 g			
29	Chemical	Benzyl bromide	1	100 mL			
30	Chemical	Biuret reagent	1	250 mL			
31	Chemical	Bial's reagent	1	250 mL			
32	Chemical	Bromine	1	100 mL			
33	Chemical	Bromine water	1	250 mL			

34	Chemical	Buffer tablets (pH 4, 7, 9.2)	1	set			
35	Chemical	Calcium carbonate	1	500 g			
36	Chemical	Carbopol 934	1	100 g			
37	Chemical	Carbon tetrachloride	1	500 mL			
38	Chemical	Carrageenan or suspending agents	1	100 g			
39	Chemical	Catalase test reagents (H ₂ O ₂ etc.)	1	set			
40	Chemical	Celite	1	250 g			
41	Chemical	Cetyl Alcohol	1	250 g			
42	Chemical	CTAB (Cetyltrimethylammonium bromide)	1	100 g			
43	Chemical	Chlorhexidine solution	1	500 mL			
44	Chemical	Chloroform	1	2.5 L			
45	Chemical	Citric acid	1	500 g			
46	Chemical	Coomassie Brilliant Blue	1	10 g			
47	Chemical	Copper sulfate	1	500 g			
48	Chemical	Cresol	1	500 mL			
49	Chemical	Crystal violet	1	25 g			
50	Chemical	Dichloromethane	1	1 L			
51	Chemical	Diethyl ether	1	2.5 L			
52	Chemical	Dicyclohexylcarbodiimide	1	25 g			
53	Chemical	Distilled water	1	20 L			
54	Chemical	Dragendorff's reagent	1	250 mL			
55	Chemical	Drabkin's reagent	1	250 mL			
56	Chemical	EDTA (Ethylenediaminetetraacetic acid)	1	500 g			
57	Chemical	Erythrosin or methylene blue	1	25 g			
58	Chemical	Ethanol	1	2.5 L			
59	Chemical	Ethyl acetate	1	1 L			
60	Chemical	Fehling's A solution	1	250 mL			
61	Chemical	Fehling's B solution	1	250 mL			
62	Chemical	Ferric chloride	1	500 g			
63	Chemical	Formalin	1	500 mL			
64	Chemical	Gelatin solution	1	250 mL			

65	Chemical	Glucose	1	500 g			
66	Chemical	Glycerol	1	500 mL			
67	Chemical	Gram's iodine	1	100 mL			
68	Chemical	Heparin	1	5 mL vial			
69	Chemical	Hexane	1	2.5 L			
70	Chemical	Hydrogen peroxide (H ₂ O ₂)	1	500 mL			
71	Chemical	Hydrochloric acid (HCl)	1	2.5 L			
72	Chemical	Iodine solution	1	500 mL			
73	Chemical	Iodine-KI solution	1	500 mL			
74	Chemical	Jaffe's reagent	1	250 mL			
75	Chemical	Lanolin	1	250 g			
76	Chemical	Lactose	1	500 g			
77	Chemical	Lead acetate	1	500 g			
78	Chemical	Liebermann-Burchard reagent	1	250 mL			
79	Chemical	Liquid paraffin	1	500 mL			
80	Chemical	Lysol / Phenol solution	1	500 mL			
81	Chemical	Magnesium sulfate (anhydrous)	1	500 g			
82	Chemical	Mayer's reagent	1	250 mL			
83	Chemical	Magnesium stearate	1	250 g			
84	Chemical	Methanol	1	2.5 L			
85	Chemical	Methyl orange	1	25 g			
86	Chemical	Methyl paraben	1	100 g			
87	Chemical	Molisch's reagent	1	250 mL			
88	Chemical	Ninhydrin	1	25 g			
89	Chemical	Nitric acid (HNO ₃)	1	2.5 L			
90	Chemical	Normal saline	1	500 mL			
91	Chemical	Normal butanol	1	1 L			
92	Chemical	Nutrient agar / broth	1	500 g			
93	Chemical	o-Cresolphthalein complexone	1	25 g			
94	Chemical	Orcinol	1	25 g			
95	Chemical	Oxalic acid	1	500 g			

96	Chemical	Peptone	1	500 g			
97	Chemical	Petroleum ether	1	2.5 L			
98	Chemical	Phenol	1	500 mL			
99	Chemical	Phenol red	1	25 g			
100	Chemical	Phenolphthalein	1	25 g			
101	Chemical	Phenylhydrazine	1	100 mL			
102	Chemical	Phthalic acid	1	100 g			
103	Chemical	Picric acid	1	25 g			
104	Chemical	Polyethylene glycol (PEG)	1	250 g			
105	Chemical	Potassium carbonate	1	500 g			
106	Chemical	Potassium dichromate	1	500 g			
107	Chemical	Potassium dihydrogen phosphate	1	500 g			
108	Chemical	Potassium hydroxide	1	500 g			
109	Chemical	Potassium permanganate	1	250 g			
110	Chemical	Potassium sodium tartrate	1	500 g			
111	Chemical	Propyl paraben	1	100 g			
112	Chemical	Propylene glycol	1	500 mL			
113	Chemical	Pyridine	1	500 mL			
114	Chemical	Resazurin	1	10 g			
115	Chemical	Resorcinol	1	25 g			
116	Chemical	Ringer's solution	1	500 mL			
117	Chemical	Safranin	1	25 g			
118	Chemical	Salicylic acid	1	500 g			
119	Chemical	Saponin solution	1	250 mL			
120	Chemical	Silver nitrate	1	25 g			
121	Chemical	Sodium acetate	1	500 g			
122	Chemical	Sodium azide	1	25 g			
123	Chemical	Sodium bisulfite	1	250 g			
124	Chemical	Sodium bicarbonate	1	500 g			
125	Chemical	Sodium borohydride	1	25 g			
126	Chemical	Sodium bromide	1	250 g			

127	Chemical	Sodium carbonate	1	500 g			
128	Chemical	Sodium carboxymethyl cellulose (NaCMC)	1	250 g			
129	Chemical	Sodium chloride	1	500 g			
130	Chemical	Sodium citrate	1	500 g			
131	Chemical	Sodium dodecyl sulfate (SDS)	1	250 g			
132	Chemical	Sodium hydroxide	1	500 g			
133	Chemical	Sodium hypochlorite	1	500 mL			
134	Chemical	Sodium lauryl sulfate (SLS)	1	250 g			
135	Chemical	Sodium sulfate (anhydrous)	1	500 g			
136	Chemical	Sodium sulfite	1	250 g			
137	Chemical	Sodium thiosulfate	1	500 g			
138	Chemical	Sorbic acid	1	250 g			
139	Chemical	Sorbitol	1	500 mL			
140	Chemical	Starch	1	500 g			
141	Chemical	Starch indicator solution	1	250 mL			
142	Chemical	Stearic acid	1	500 g			
143	Chemical	Sudan III	1	25 g			
144	Chemical	Sudan IV	1	25 g			
145	Chemical	Sulfonyl chloride	1	100 g			
146	Chemical	Sulphur powder	1	500 g			
147	Chemical	Sulphuric acid (H ₂ SO ₄)	1	2.5 L			
148	Chemical	Succinic acid	1	250 g			
149	Chemical	Tartaric acid	1	500 g			
150	Chemical	Talc	1	250 g			
151	Chemical	Tetrabutylammonium bromide (TBAB)	1	25 g			
152	Chemical	Thionyl chloride	1	500 mL			
153	Chemical	Thymol / Menthol	1	25 g			
154	Chemical	Triethylamine	1	500 mL			
155	Chemical	Tween 80 (Polysorbate 80)	1	500 mL			
156	Chemical	Urease–Berthelot reagents	1	set			
157	Chemical	Vaseline (White soft paraffin)	1	500 g			

158	Chemical	Wagner's reagent	1	250 mL			
159	Chemical	Zinc oxide	1	500 g			
Subtotal (F)							
Grand Total (A+B+C+D+E+F)							

Form 3: Technical Compliance Sheet

S. No.	Item Description	Required Specification	Offered Specification	Brand / Model	Country of Origin	Compliance (Yes/No)	Remarks
1	Example: UV-Visible Spectrophotometer	190–1100 nm, 2 nm bandwidth	[Bidder to specify]	[Bidder to specify]	[Bidder to specify]	[]	[]

Note:

- Bidders must fill one sheet per laboratory or group of items.
- Any deviation from specifications must be clearly stated.
- Unstated deviations will be treated as **non-compliance**.

Form 4: Bid Security Form

Date: _____

To:

Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad

Whereas [name of the bidder] (hereinafter called “the Bidder”) has submitted its bid dated [date] for the procurement of equipment and materials for establishment of pharmacy laboratories (hereinafter called “the Tender”).

We, the undersigned, [**Bank Name and Address**], hereby unconditionally guarantee to pay the Procuring Agency the sum of **2% of the total bid value**, upon the first written demand, without any right of objection or proof, if the Bidder:

- Withdraws its bid during the period of bid validity; or
- Fails to sign the contract or submit the performance security within the prescribed time after award.

This guarantee shall remain valid for **120 days** from the date of bid opening.

Authorized Bank Officer: _____

Signature & Stamp: _____

Date: _____

Form 5: Manufacturer's Authorization (if applicable)

To:

Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad

We, the undersigned manufacturer, hereby authorize **[Bidder Name]** to offer, supply, and install our products in conformity with the Bidding Documents for the above tender.

We confirm that the offered products are covered by the manufacturer's warranty and that we shall provide all necessary technical support, spare parts, and after-sales service during the warranty period.

Manufacturer's Name: _____

Authorized Representative: _____

Designation: _____

Signature & Seal: _____

Date: _____

Form 6: Affidavit of Non-Blacklisting

We, **[Company Name]**, do hereby solemnly affirm and declare that our firm is **not blacklisted** by any Federal, Provincial, or Local Government Department, Public Sector Organization, or Autonomous Body in Pakistan.

We further affirm that the information provided in our bid is true and correct and that any false statement will lead to disqualification and termination of contract under applicable laws.

Authorized Signatory: _____

Name & Designation: _____

CNIC No.: _____

Date: _____

Seal/Stamp: _____

Form 7: Integrity Pact

(As required under Rule 7 of PPRA Rules 2004)

This Integrity Pact is made between **Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad** (hereinafter referred to as "Procuring Agency") and **[Bidder's Name]** (hereinafter referred to as "Supplier").

It is hereby agreed that both parties shall observe the highest standard of ethics during the procurement and execution of this contract and shall not engage in corrupt, fraudulent, collusive, or coercive practices as defined in PPRA Rules 2004.

Any violation shall render the contract null and void and may result in permanent blacklisting of the Supplier.

For Procuring Agency:

Name: _____

Designation: _____

Signature: _____

Date: _____

For Supplier:

Name: _____

Designation: _____

Signature: _____

Date: _____

Section VIII: Evaluation and Qualification Criteria

1. Evaluation Method

Evaluation will be conducted under the **Single Stage – One Envelope Procedure (Rule 36(a))** of the **Public Procurement Rules, 2004**. All bids received will be opened and evaluated in a single stage. Each bid will be assessed on two components:

- **Technical Evaluation – 50 Marks (50%)**
- **Financial Evaluation – 50 Marks (50%)**

The contract will be awarded to the bidder achieving the **highest combined weighted score** and meeting all mandatory requirements of the bidding documents.

2. Preliminary Examination

Sr. No.	Check Item	Verification / Requirement	Remarks / Status (To be filled by Committee)
1	Bid Completeness and Format	Bid is complete, properly signed, and submitted in the prescribed format.	☐ Complied ☐ Not Complied
2	Bid Security	Bid Security (2% of total bid value) attached in the correct form (Demand Draft) in favor of FUUAST, Islamabad.	☐ Complied ☐ Not Complied
3	Mandatory Documents	Copy of valid NTN, GST registration, ATL status, and Manufacturer's / Authorized Distributor's Certificate (if applicable) enclosed.	☐ Complied ☐ Not Complied
4	Submission Compliance	Bid submitted both through EPAD (www.eprocure.gov.pk) and as hard copy before the deadline.	☐ Complied ☐ Not Complied
5	Material Deviations / Conditions	Bid does not contain conditional clauses, deviations, or alterations inconsistent with the Bidding Documents.	☐ Complied ☐ Not Complied

Note:

Non-conforming, incomplete, or conditional bids **shall be rejected** at this stage and not considered for further evaluation.

3. Technical Evaluation (50 Marks)

The technical evaluation will assess conformity with the specifications and requirements provided in **Annexure A (Equipment & Instruments)** and **Annexure B (Chemicals & Reagents)**.

Sr. No.	Criteria	Maximum Marks	Basis for Evaluation
1	Compliance with Technical Specifications	25	Extent to which offered items meet or exceed essential features listed in Annexures A & B. Partial compliance will reduce marks proportionally. Datasheets/catalogues required.
2	Quality & Standards Certification	5	Availability of quality certifications (ISO/CE/EN or equivalent) and product origin.
3	Warranty and After-Sales Support	5	Warranty period (≥ 12 months) (where applicable) and evidence of local technical support/spare parts for 3 years.
4	Delivery Schedule	5	≤ 30 days (full marks); 30–45 days (3 marks); > 45 days (1 mark).
5	Relevant Experience	5	At least three (03) years in similar supplies and three (03) completed projects in HEC/public sector universities, hospitals, NGOs. Proof required.
6	Past Performance	3	Satisfactory supply record with performance letters from clients.
7	Training & Installation Capability	2	On-site training and installation commitment documented in bid.
Total Technical Marks		50	

Minimum Qualifying Score: 30 marks (out of 50). Bidders scoring below 30 will not proceed to financial evaluation.

4. Financial Evaluation (50 Marks)

Only technically qualified bids will be financially evaluated.

Marks will be assigned using the formula:

$$\text{Financial Score (FS)} = (\text{Lowest Bid Price} / \text{Bidder's Price}) \times 50$$

The bidder offering the lowest evaluated total cost will receive 50 marks; all other qualified bidders will receive proportionally lower marks.

5. Combined Evaluation and Ranking

The overall score will be calculated as:

Total Score (TS) = Technical Score + Financial Score

(Each already weighted / out of 50.)

The bidder obtaining the **highest Total Score (100 marks)** and meeting all mandatory requirements will be declared the **Lowest Evaluated Responsive Bidder**.

6. Disqualification Criteria

A bid shall be rejected if it:

- Fails to meet any mandatory requirement of the bidding documents;
- Scores below the minimum qualifying technical marks (25/50);
- Submits false or incomplete information;
- Lacks a valid bid security; or
- Includes conditional or ambiguous offers.

7. Post-Evaluation Verification

Before award, the Procuring Agency reserves the right to verify manufacturer authorization, previous performance, and authenticity of submitted documents. Any discrepancy may lead to rejection and forfeiture of bid security.

8. Summary of Evaluation Weights

Component	Weight (%)	Remarks
Technical Evaluation	50	Based on specifications, quality, and experience.
Financial Evaluation	50	Based on lowest evaluated cost.
Total	100	Award to highest combined scorer.

Audit Note (for Record)

Equal weighting (50% technical and 50% financial) is adopted considering the quality-critical nature of scientific and laboratory equipment required for pharmacy laboratories.

Section IX – Contract Forms

This section contains standard forms to be used during contract finalization between the **Federal Urdu University of Arts, Sciences & Technology (FUUAST)** (the Procuring Agency) and the successful bidder (the Supplier).

Form 1: Notification of Award

(On Official Letterhead of Procuring Agency)

Date: _____

Tender Reference No.: FUUAST/P&D/Pharmacy-Labs/2025

To:

M/s _____

(Address) _____

Subject: Notification of Award – Procurement of Equipment and Materials for Establishment of Pharmacy Laboratories

Dear Sir/Madam,

We are pleased to inform you that your bid submitted for the above-referenced procurement has been accepted by the competent authority at a total contract price of **PKR [amount in figures and words]**, inclusive of all applicable taxes, delivery, installation, and commissioning charges.

You are hereby requested to:

1. Submit a **Performance Security equivalent to ten percent (10%)** of the total contract value **in the form of a Demand Draft (DD)** drawn in favor of *“Federal Urdu University of Arts, Sciences & Technology (FUUAST), Islamabad”*; and
2. Sign the formal **Contract Agreement** within **ten (10) days** from the date of issuance of this Notification.

Failure to comply within the prescribed time may result in cancellation of this award and forfeiture of your Bid Security.

Sincerely,

Director (Planning & Development)

Federal Urdu University of Arts, Sciences & Technology (FUUAST)

Islamabad

Form 2: Contract Agreement

(To be printed on Rs. 1,000 Judicial Stamp Paper)

Contract Agreement

This Agreement is made on this ___ day of _____, 2025, between the **Federal Urdu University of Arts, Sciences & Technology (FUUAST)**, Islamabad (hereinafter referred to as the *Procuring Agency*), and **M/s [Supplier's Name]**, having its registered office at _____ (hereinafter referred to as the *Supplier*).

Whereas the Procuring Agency invited bids for *Procurement of Equipment and Materials for Establishment of Pharmacy Laboratories*, and the Supplier submitted a bid that was accepted in accordance with the Public Procurement Rules, 2004;

Now therefore, the parties hereby agree as follows:

1. Scope of Contract

The Supplier shall supply, deliver, install, and commission the laboratory equipment, glassware, and materials described in the **Schedule of Requirements and Technical Specifications** of the Bidding Documents.

2. Contract Price

The total contract price is **PKR [_____]**, inclusive of all applicable taxes and charges, to be paid as per the payment terms stated in this Agreement.

3. Delivery Schedule

The Supplier shall complete delivery, installation, and commissioning within **forty-five (45) days** of contract signing, unless extended in writing by the Procuring Agency.

4. Performance Security

The Supplier shall provide a **Performance Security equal to ten percent (10%)** of the total contract value, **in the form of a Demand Draft (DD)** drawn in favor of "*FUUAST, Islamabad*", valid until the expiry of the warranty period.

5. Warranty

All equipment and instruments shall be covered by a **minimum twelve (12)-month warranty** from the date of acceptance.

Consumables, glassware, and chemicals are exempted from warranty but must be new and defect-free at delivery.

6. Payment Terms

The Procuring Agency shall pay the Supplier as follows:

- **90%** after successful delivery, installation, and preliminary inspection;
- **10%** after final acceptance and completion of documentation.

7. Governing Law and Dispute Resolution

This Contract shall be governed by the laws of the **Islamic Republic of Pakistan**, and any dispute shall be resolved amicably or through arbitration under the **Arbitration Act, 1940**, or before competent courts in Islamabad.

8. Documents Forming Part of the Contract

The following documents shall form and be read as part of this Contract:

- Bidding Documents (Sections I-IX)
- Conditions of Contract (GCC)
- Supplier's Bid and BOQ
- Notification of Award
- Performance Security
- Any correspondence or addenda mutually agreed upon

In witness whereof, the parties have executed this Contract on the day and year first written above.

For the Procuring Agency

Federal Urdu University of Arts, Sciences &
Technology (FUUAST), Islamabad

Signature: _____

Name: _____

Designation: _____

Date: _____

Official Seal: _____

For the Supplier

M/s _____

Signature: _____

Name: _____

Designation: _____

Date: _____

Official Seal: _____

Witnesses:

1. _____ (Name, CNIC, Signature)
2. _____ (Name, CNIC, Signature)

Form 3: Performance Security (Demand Draft Form)

(To be submitted by the Supplier)

Date: _____

Tender Reference: FUUAST/P&D/Pharmacy-Labs/2025

To:

Federal Urdu University of Arts, Sciences & Technology (FUUAST)

Islamabad

Subject: Performance Security – Procurement of Equipment and Materials for Establishment of Pharmacy Laboratories

In accordance with the terms and conditions of the Contract, we hereby submit a **Demand Draft (DD)** No. _____ dated _____ drawn on **[Bank Name]** for **PKR [amount in figures and words]**, equivalent to **ten percent (10%) of the total contract value**, as the required Performance Security.

Sincerely,

Authorized Signatory: _____

Name: _____

Designation: _____

For M/s: _____

Date: _____

(Official Seal)

Form 4: Acceptance Certificate

(To be issued by the Procuring Agency after satisfactory completion)

Date: _____

Contract No.: _____

This is to certify that the goods and services supplied by **M/s [Supplier's Name]** under the Contract titled

“Procurement of Equipment and Materials for Establishment of Pharmacy Laboratories” have been successfully delivered, installed, and commissioned at the Faculty of Pharmacy, **FUUAST Islamabad**.

The supplied items have been inspected and found to conform to the required specifications. Accordingly, the goods are hereby accepted, and the Supplier is authorized to claim the remaining payment as per the Contract.

For Procuring Agency:

Signature: _____

Name: _____

Designation: _____

Seal: _____

Date: _____

Form 5: Integrity Pact

(Required under Rule 7 of PPRA Rules, 2004)

This Integrity Pact is made between the **Federal Urdu University of Arts, Sciences & Technology (FUUAST)** ("Procuring Agency") and **M/s [Supplier's Name]** ("Supplier") for the purpose of ensuring transparency, fairness, and integrity in the procurement process.

Both parties hereby agree to:

1. Refrain from engaging in any corrupt, fraudulent, collusive, or coercive practices.
2. Avoid offering or accepting any undue advantage, gift, or benefit that may influence the procurement decision.
3. Uphold the highest ethical standards during contract execution.

Violation of this pact shall render the Contract null and void and may result in blacklisting of the Supplier under **Rule 19 of the PPRA Rules, 2004**.

For Procuring Agency

For Supplier

Name: _____ Name: _____

Designation: _____ Designation: _____

Signature: _____ Signature: _____

Date: _____ Date: _____

Annexure A

(Technical Bill of Quantities (BOQ))

S. No.	Category	Item Description	Required Technical Specification	Quantity	Unit	Bidder's Offered Specification	Compliance (Yes/No)
A. Basic Medical Sciences Laboratory							
1	Apparatus	ESR Stand	Durable acrylic / stainless steel / fine plastic; 10–12 tube capacity	33	pcs		
2	Apparatus	Ishihara Chart	Standard 38-plate or equivalent color blindness testing chart	5	pcs		
3	Apparatus	Snellen Chart	Wall-mounted chart with standard letter or symbol sizes	2	pcs		
4	Apparatus	Barometer	Laboratory-grade barometer with temperature compensation	5	pcs		
5	Apparatus	Neubauer Chamber	Depth 0.1 mm, grid 3×3 mm, double ruling	25	pcs		
6	Apparatus	RBC Pipette	Capacity 1 mL, with red bead indicator	23	pcs		
7	Apparatus	WBC Pipette	Capacity 1 mL, with white bead indicator	16	pcs		
8	Apparatus	Haemometer	Portable, complete with comparator and glass tubes	8	pcs		
9	Apparatus	Organ Bath	Double-walled stainless steel bath with tissue holder	10	pcs		
10	Equipment	Water Bath	Stainless steel, overheating protection, capacity up to 5 L	3	pcs		
11	Equipment	Triple Beam Balance	2610 g capacity, sensitivity 0.1 g	2	pcs		
12	Equipment	Stethoscope	Dual-head type, medical-grade tubing	27	pcs		
13	Equipment	Weighing Balance	Electronic balance, accuracy 0.1 g	6	pcs		

14	Equipment	Perimeter	Manual or automated, standard testing arcs	9	pcs		
15	Equipment	Incentive Spirometer	3-ball or equivalent, 600–1200 cc range	9	pcs		
16	Equipment	Kymograph	Motorized, with variable speed and drum	13	pcs		
17	Equipment	Microscope	Monocular/Binocular, objectives 4x,10x,40x,100x	8	pcs		
18	Equipment	Weight & Height Scale	Digital or manual, medical-grade	1	pc		
19	Models	Anatomical & Physiological Models	Full human body set with organ systems	1	set		
20	Glassware	Histology Slides	Pre-cleaned, standard 75×25 mm	86	pcs		
21	Glassware	Microscopic Slides	Pre-cleaned, standard pack	3	packs		
22	Glassware	Cover Slips	Standard thickness 0.13–0.17 mm	5	pcs		
B. Microbiology Laboratory							
1	Instrument	Safety Goggles	Chemical-resistant, anti-fog	4	pcs		
2	Instrument	Magnifying Glass	Handheld, 5× magnification	3	pcs		
3	Consumable	Disposable Gloves	Latex or nitrile, powder-free	1	pack		
4	Instrument	Autoclave	15–25 L, 105–135°C sterilization, safety valve, pressure gauge	1	pc		
5	Instrument	Weighing Balance	200–3200 g, LCD display, 0.1 g accuracy	6	pcs		
6	Instrument	Laminar Flow Hood	HEPA filter 99.97% (0.3 µm), UV & fluorescent lights	1	pc		
7	Instrument	Microscope	Monocular/Binocular, 4x–100x objectives	8	pcs		
8	Glassware	Microscopic Slides	Standard, pre-cleaned	5	boxes		
9	Instrument	Drying Oven	Temp. range up to 250°C, digital control	1	pc		
10	Instrument	Digital Colony Counter	LED display, magnifier lens	1	pc		
11	Instrument	Bunsen Burner	Nickel-plated with air regulator	9	pcs		
12	Instrument	Water Bath	5 L, stainless steel, temperature control	5	pcs		
13	Instrument	Incubator	Temp. 5°C above ambient to 70°C	1	pc		
14	Instrument	pH Meter	Range 0–14, accuracy ±0.01, temperature compensation	2	pcs		

15	Glassware	Petri Dish	90 mm dia, borosilicate or polystyrene	23	pcs		
16	Glassware	Inoculation Tube	Glass or plastic, autoclavable	5	pcs		
17	Glassware	Dissection Set	Stainless steel, complete set in box	1	pc		
18	Instrument	Cool Incubator	Bench-top, digital control, up to 20°C below ambient	1	pc		
19	Glassware	Beakers	25–2000 mL, borosilicate	16	pcs		
20	Glassware	Conical Flasks	50–250 mL, borosilicate	22	pcs		
21	Glassware	Funnels	60–75 mm, borosilicate	16	pcs		
22	Glassware	Test Tubes	10–20 mm, heat resistant	26	pcs		
23	Glassware	Volumetric Flask (100 mL)	Class A borosilicate	5	pcs		
24	Glassware	Volumetric Flask (500 mL)	Class A borosilicate	4	pcs		
25	Glassware	Volumetric Flask (1000 mL)	Class A borosilicate	2	pcs		
C. Pharmaceutical Chemistry Laboratory							
1	Apparatus	Bunsen Burner	Nickel-plated brass, with air regulator, suitable for laboratory gas line	10	pcs		
2	Apparatus	Burette Stand	With metal rod and plastic or cast iron base, adjustable clamps	1	pc		
3	Apparatus	Microscopic Slides	Pre-cleaned, 75×25 mm, clear glass	2	packs		
4	Apparatus	ESR Stand	Fine-quality acrylic or stainless steel, 10–12 tube capacity	4	pcs		
5	Apparatus	Desiccator	Borosilicate glass body, vacuum type, with porcelain plate	1	pc		
6	Apparatus	Test Tube Holder	Stainless steel or heat-resistant wooden grip	1	pc		
7	Apparatus	Spirit Lamp	Leak-proof, 125 mL capacity, metal cap	2	pcs		
8	Apparatus	Disposable Gloves	Latex or nitrile, powder-free, lab-grade	1	pack		
9	Apparatus	Dropper	Glass with rubber bulb, 1–2 mL capacity	15	pcs		
10	Apparatus	Spatula	Stainless steel, double-ended	5	pcs		

11	Apparatus	Micro Spatula	Small stainless steel spatula, fine tip	7	pcs		
12	Equipment	Water Bath	Stainless steel, thermostat control, 5–10 L capacity	3	pcs		
13	Equipment	Microscope	Binocular, objectives 4x–100x, LED illumination	8	pcs		
14	Equipment	Triple Beam Balance	2610 g capacity, 0.1 g readability	1	pc		
15	Equipment	Drying Oven	Temperature up to 250°C, digital control	1	pc		
16	Equipment	Hematocrit Centrifuge	Digital control, 6–12 tube rotor, 4000–6000 rpm	1	pc		
17	Equipment	Melting Point Apparatus	Digital display, range up to 300°C	2	pcs		
18	Equipment	Heating Mantle	500–1000 mL capacity, adjustable temperature	1	pc		
19	Equipment	Weighing Balance	0.001 g precision, electronic type	2	pcs		
20	Equipment	pH Meter	Range 0–14, accuracy ± 0.01 , temperature compensation	5	pcs		
21	Equipment	Digital pH Meter	Bench-top, LCD display, automatic calibration	2	pcs		
22	Equipment	Micropipette	Adjustable 10–1000 μ L, single-channel	1	pc		
23	Equipment	Separating Funnel	250–500 mL, borosilicate glass, with PTFE stopcock	3	pcs		
24	Equipment	Spectrophotometer (Single Beam)	Wavelength range 325–1000 nm, digital readout, with cuvettes	1	pc		
25	Glassware	Pipette	10 mL, Class A, borosilicate	8	pcs		
26	Glassware	Test Tubes	10–20 mm dia, heat-resistant glass	25	pcs		
27	Glassware	Beakers (Assorted)	25–2000 mL, borosilicate	18	pcs		
28	Glassware	Funnel	60–75 mm, borosilicate	16	pcs		
29	Glassware	Round Bottom Flask	100–1000 mL, heat-resistant, borosilicate	27	pcs		
30	Glassware	Conical Flask	100–250 mL, borosilicate, narrow neck	43	pcs		
31	Glassware	Volumetric Flask	100–1000 mL, Class A, borosilicate	14	pcs		
32	Glassware	Measuring Cylinder	25–250 mL, Class A, borosilicate	8	pcs		
33	Glassware	Safety Goggles	Chemical-resistant, anti-fog	5	pcs		

34	Glassware	Petri Dish	90 mm dia, glass	17	pcs		
35	Glassware	Reagent Bottles	250–1000 mL, amber/clear, with screw cap	17	pcs		
D – Pharmaceuticals Laboratory							
1	Equipment	Distillation Assembly	Borosilicate glass, complete with flask (1–2 L), condenser & heating mantle set	1	pc		
2	Equipment	Water Bath	Stainless steel body, 5–10 L capacity, digital temperature control up to 100 °C	4	pcs		
3	Equipment	Microscope	Binocular/Monocular type with objectives 4×, 10×, 40×, 100× (oil immersion)	5	pcs		
4	Equipment	Vernier Caliper	0–150 mm range, accuracy ±0.02 mm (minimum)	12	pcs		
5	Equipment	Screw Gauge	0–25 mm range, least count 0.01 mm	10	pcs		
6	Equipment	Weighing Balance	Electronic, 0.01 g accuracy, capacity 200–5000 g	3	pcs		
7	Equipment	Thermometer	Laboratory grade, –10 °C to 110 °C	10	pcs		
8	Equipment	pH Meter	Range 0–14, accuracy ±0.01, temperature compensation probe	3	pcs		
9	Equipment	Desiccator	Vacuum type borosilicate glass with porcelain plate	3	pcs		
10	Equipment	Digital pH Meter	Bench-top type, LCD display, auto calibration and electrode set	1	pc		
11	Equipment	Heating Mantle	500–1000 mL capacity, adjustable temperature control	1	pc		
12	Equipment	Buffer Solution	Standard pH 4.0, 7.0 and 10.0 set (500 mL each)	1	set		
13	Equipment	Triple Beam Balance	2610 g capacity, 0.1 g sensitivity	1	pc		
14	Glassware	Beakers	Assorted 50–2000 mL, borosilicate glass set	20	pcs		
15	Glassware	Conical Flasks	50–250 mL, borosilicate glass set	35	pcs		
16	Glassware	Funnels	60–75 mm, borosilicate glass	23	pcs		

17	Glassware	Magnifying Glass	Handheld, 5× magnification	3	pcs		
18	Glassware	Petri Dish	90 mm diameter, borosilicate or glass	10	pcs		
19	Glassware	Pipette	10–20 mL, graduated Class A glass	16	pcs		
20	Glassware	Pycnometer	10–50 mL capacity, calibrated, borosilicate	37	pcs		
21	Glassware	Round Bottom Flask	50–1000 mL, borosilicate, heat-resistant	52	pcs		
22	Glassware	Safety Goggles	Chemical-resistant, anti-fog lens	6	pcs		
23	Glassware	Separating Funnel	100–250 mL, borosilicate glass with PTFE stopcock	16	pcs		
24	Glassware	Volumetric Pipette	10 mL, Class A borosilicate	10	pcs		
25	Glassware	Volumetric Flask	250 mL, Class A borosilicate	1	pc		
26	Glassware	Micropipette	Adjustable 10–1000 µL, single channel	14	pcs		
27	Glassware	Glass Vials	48 pcs per box, clear borosilicate	1	box		
28	Apparatus	Borosilicate Viscometer	Ubbelohde or Cannon-Fenske type, suitable for pharma use	12	pcs		
29	Apparatus	Filtration Assembly	Complete with vacuum flask, funnel and clamp set	1	pc		
30	Apparatus	Bunsen Burner	Nickel-plated brass, with air regulator	8	pcs		
31	Apparatus	Condenser	Liebig type, borosilicate glass, 250–400 mm length	55	pcs		
32	Apparatus	Pestle and Mortar	Porcelain set (medium size)	4	pcs		
33	Apparatus	Spatulas	Stainless steel, double-ended	4	pcs		
34	Apparatus	Crucibles	Porcelain crucible set with lid	1	box		
35	Apparatus	Reagent Bottles	250–1000 mL amber glass with screw cap	38	pcs		
36	Apparatus	Connectors	Glass or rubber connectors for apparatus setups	19	pcs		
37	Apparatus	Cones	Paper or plastic filter cones, standard size	2	boxes		
38	Apparatus	Desiccator	Borosilicate glass with porcelain plate (vacuum type)	3	pcs		

39	Apparatus	Sieve Set	Stainless steel, U.S. standard sieves Nos. 10–100 with lid and pan	1	set		
40	Apparatus	Measuring Cylinders	25–250 mL, Class A borosilicate	23	pcs		
41	Apparatus	Volumetric Flask	500–1000 mL, Class A borosilicate	6	pcs		
42	Apparatus	Burette	50 mL, Class A borosilicate with PTFE stopcock	19	pcs		
43	Apparatus	Stalagmometer	Capillary tube type for surface tension measurement	2	pcs		
E – Pharmacognosy Laboratory							
1	Equipment	Water Bath	Stainless steel, digital temperature control, 5–10 L capacity	5	pcs		
2	Equipment	Microscope	Binocular or Monocular, LED illumination, objectives 4×–100×	9	pcs		
3	Equipment	Desiccator	Borosilicate glass, vacuum type, porcelain plate	4	pcs		
4	Equipment	Filtration Assembly	Complete with vacuum flask, funnel, and clamp set	2	pcs		
5	Equipment	Heating Mantle	500–1000 mL capacity, adjustable temperature	1	pc		
6	Equipment	Drying Oven	Temperature up to 250°C, digital display and control	2	pcs		
7	Equipment	Weighing Balance	Electronic balance, 0.001 g readability, 200–5000 g capacity	7	pcs		
8	Equipment	Triple Beam Balance	2610 g capacity, 0.1 g sensitivity	1	pc		
9	Equipment	Vortex Mixer	Speed range 100–3200 rpm, touch/intermittent mode, motor 10 W	1	pc		
10	Equipment	Test Tube Rack	Plastic or metal, 20–40 tube capacity	1	pc		
11	Equipment	Test Tubes	Heat-resistant borosilicate glass, assorted sizes	60	pcs		
12	Equipment	Test Tube Holder	Stainless steel or heat-resistant wooden handle	4	pcs		
13	Equipment	Universal Support Stand	Cast iron base with adjustable metal rod and clamps	3	pcs		

14	Equipment	Separating Funnel	100 mL, borosilicate glass with PTFE stopcock	1	pc		
15	Equipment	Microtome	Section thickness 0.5–100 µm or higher, precision rotary type	1	pc		
16	Equipment	Centrifuge	Bench-top model, up to 4000 rpm, RCF 1435–2300 × g, 8–10 tube capacity	2	pcs		
17	Apparatus	Whatman Filter Paper	Standard laboratory-grade filter paper (No. 1 or equivalent)	1	pack		
18	Apparatus	Spatulas	Stainless steel, double-ended	4	pcs		
19	Apparatus	Micro Spatulas	Fine tip, stainless steel	3	pcs		
20	Apparatus	Bunsen Burner	Nickel-plated brass, air control knob	11	pcs		
21	Apparatus	Pestle and Mortar	Porcelain, medium size	4	pcs		
22	Apparatus	Watch Glass	75–100 mm diameter, borosilicate glass	6	pcs		
23	Apparatus	Magnifying Glass	Handheld, 5× magnification	2	pcs		
24	Apparatus	Safety Goggles	Chemical-resistant, anti-fog	2	pcs		
25	Apparatus	Microscope Slides	Pre-cleaned, 75×25 mm, clear glass	6	boxes		
26	Apparatus	Cover Slips	Thickness 0.13–0.17 mm, round/square	3	boxes		
27	Glassware	Capillary Tubes	1.5 mm internal diameter, borosilicate	2	packs		
28	Glassware	Funnel	60–75 mm, borosilicate glass	2	pcs		
29	Glassware	Round Bottom Flask	1000 mL capacity, borosilicate glass	1	pc		
30	Glassware	Round Bottom Flask	250 mL capacity, borosilicate glass	1	pc		
31	Glassware	Volumetric Flask	250 mL, Class A, borosilicate	4	pcs		
32	Glassware	Conical Flask	50 mL, borosilicate glass	5	pcs		
33	Glassware	Conical Flask	250 mL, borosilicate glass	7	pcs		
34	Glassware	Beakers	50–2000 mL, borosilicate, assorted sizes	21	pcs		
35	Glassware	Reagent Bottles	250–1000 mL, amber or clear glass, screw cap	13	pcs		
36	Glassware	Petri Dishes	90 mm diameter, borosilicate glass	14	pcs		
37	Glassware	Graduated Cylinder	25–100 mL, Class A, borosilicate	6	pcs		

38	Crude Drugs	Herbal Specimens Collection	47 crude drug samples preserved in jars, labeled and catalogued	47	jars		
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Annexure B

(Technical Bill of Quantities (BOQ))

General Requirements

1. All chemicals and reagents shall be **Analytical Reagent (AR)** or **Laboratory Reagent (LR)** grade (as applicable).
2. Chemicals must be **fresh, unused, and within 80% of shelf life** at delivery.
3. Containers must bear **manufacturer's label** showing: chemical name, formula, grade, batch number, manufacturing & expiry dates, hazard symbols, and country of origin.
4. Each item shall be accompanied by a **Material Safety Data Sheet (MSDS)**.
5. Equivalent or superior grades may be offered but must be **documented** with catalogues or datasheets.
6. **Packaging:** Factory-sealed original containers only; re-packed chemicals will not be accepted.

F. List of Chemicals						
S. No.	Category	Chemical Name	Quantity	Est. Pack Size	Manufacturer / Brand Offered	Compliance (Yes/No)
1	Chemical	1,3-Dichloropropane	1	500 mL		
2	Chemical	2,4-Dinitrophenylhydrazine	1	25 g		
3	Chemical	2-Amino-1,3-thiazole	1	25 g		
4	Chemical	α -Naphthol	1	25 g		
5	Chemical	Acetone	1	2.5 L		

6	Chemical	Acetyl chloride	1	500 mL		
7	Chemical	Acetic acid (glacial)	1	2.5 L		
8	Chemical	Acetic anhydride	1	1 L		
9	Chemical	Activated charcoal	1	500 g		
10	Chemical	Adrenaline solution	1	10 mL vial		
11	Chemical	Agar powder	1	250 g		
12	Chemical	Alcohol (95%)	1	2.5 L		
13	Chemical	Ammonia solution	1	1 L		
14	Chemical	Ammonium acetate	1	500 g		
15	Chemical	Ammonium chloride	1	500 g		
16	Chemical	Ammonium hydroxide	1	1 L		
17	Chemical	Aniline	1	500 mL		
18	Chemical	Anthrone	1	25 g		
19	Chemical	Antibiotic discs (Ampicillin, Ciprofloxacin, etc.)	1	pack of 100		
20	Chemical	Ascorbic acid (Vitamin C)	1	100 g		
21	Chemical	Barfoed's reagent	1	250 mL		
22	Chemical	Barium chloride	1	500 g		
23	Chemical	Beef extract	1	500 g		
24	Chemical	Benedict's reagent	1	500 mL		
25	Chemical	Benedict's reagent components	1	set		
26	Chemical	Benzaldehyde	1	500 mL		
27	Chemical	Benzoyl chloride	1	500 mL		
28	Chemical	Bentonite	1	500 g		
29	Chemical	Benzyl bromide	1	100 mL		
30	Chemical	Biuret reagent	1	250 mL		
31	Chemical	Bial's reagent	1	250 mL		
32	Chemical	Bromine	1	100 mL		
33	Chemical	Bromine water	1	250 mL		
34	Chemical	Buffer tablets (pH 4, 7, 9.2)	1	set		

35	Chemical	Calcium carbonate	1	500 g		
36	Chemical	Carbopol 934	1	100 g		
37	Chemical	Carbon tetrachloride	1	500 mL		
38	Chemical	Carrageenan or suspending agents	1	100 g		
39	Chemical	Catalase test reagents (H ₂ O ₂ etc.)	1	set		
40	Chemical	Celite	1	250 g		
41	Chemical	Cetyl Alcohol	1	250 g		
42	Chemical	CTAB (Cetyltrimethylammonium bromide)	1	100 g		
43	Chemical	Chlorhexidine solution	1	500 mL		
44	Chemical	Chloroform	1	2.5 L		
45	Chemical	Citric acid	1	500 g		
46	Chemical	Coomassie Brilliant Blue	1	10 g		
47	Chemical	Copper sulfate	1	500 g		
48	Chemical	Cresol	1	500 mL		
49	Chemical	Crystal violet	1	25 g		
50	Chemical	Dichloromethane	1	1 L		
51	Chemical	Diethyl ether	1	2.5 L		
52	Chemical	Dicyclohexylcarbodiimide	1	25 g		
53	Chemical	Distilled water	1	20 L		
54	Chemical	Dragendorff's reagent	1	250 mL		
55	Chemical	Drabkin's reagent	1	250 mL		
56	Chemical	EDTA (Ethylenediaminetetraacetic acid)	1	500 g		
57	Chemical	Erythrosin or methylene blue	1	25 g		
58	Chemical	Ethanol	1	2.5 L		
59	Chemical	Ethyl acetate	1	1 L		
60	Chemical	Fehling's A solution	1	250 mL		
61	Chemical	Fehling's B solution	1	250 mL		
62	Chemical	Ferric chloride	1	500 g		
63	Chemical	Formalin	1	500 mL		

64	Chemical	Gelatin solution	1	250 mL		
65	Chemical	Glucose	1	500 g		
66	Chemical	Glycerol	1	500 mL		
67	Chemical	Gram's iodine	1	100 mL		
68	Chemical	Heparin	1	5 mL vial		
69	Chemical	Hexane	1	2.5 L		
70	Chemical	Hydrogen peroxide (H ₂ O ₂)	1	500 mL		
71	Chemical	Hydrochloric acid (HCl)	1	2.5 L		
72	Chemical	Iodine solution	1	500 mL		
73	Chemical	Iodine–KI solution	1	500 mL		
74	Chemical	Jaffe's reagent	1	250 mL		
75	Chemical	Lanolin	1	250 g		
76	Chemical	Lactose	1	500 g		
77	Chemical	Lead acetate	1	500 g		
78	Chemical	Liebermann–Burchard reagent	1	250 mL		
79	Chemical	Liquid paraffin	1	500 mL		
80	Chemical	Lysol / Phenol solution	1	500 mL		
81	Chemical	Magnesium sulfate (anhydrous)	1	500 g		
82	Chemical	Mayer's reagent	1	250 mL		
83	Chemical	Magnesium stearate	1	250 g		
84	Chemical	Methanol	1	2.5 L		
85	Chemical	Methyl orange	1	25 g		
86	Chemical	Methyl paraben	1	100 g		
87	Chemical	Molisch's reagent	1	250 mL		
88	Chemical	Ninhydrin	1	25 g		
89	Chemical	Nitric acid (HNO ₃)	1	2.5 L		
90	Chemical	Normal saline	1	500 mL		
91	Chemical	Normal butanol	1	1 L		
92	Chemical	Nutrient agar / broth	1	500 g		
93	Chemical	o-Cresolphthalein complexone	1	25 g		

94	Chemical	Orcinol	1	25 g		
95	Chemical	Oxalic acid	1	500 g		
96	Chemical	Peptone	1	500 g		
97	Chemical	Petroleum ether	1	2.5 L		
98	Chemical	Phenol	1	500 mL		
99	Chemical	Phenol red	1	25 g		
100	Chemical	Phenolphthalein	1	25 g		
101	Chemical	Phenylhydrazine	1	100 mL		
102	Chemical	Phthalic acid	1	100 g		
103	Chemical	Picric acid	1	25 g		
104	Chemical	Polyethylene glycol (PEG)	1	250 g		
105	Chemical	Potassium carbonate	1	500 g		
106	Chemical	Potassium dichromate	1	500 g		
107	Chemical	Potassium dihydrogen phosphate	1	500 g		
108	Chemical	Potassium hydroxide	1	500 g		
109	Chemical	Potassium permanganate	1	250 g		
110	Chemical	Potassium sodium tartrate	1	500 g		
111	Chemical	Propyl paraben	1	100 g		
112	Chemical	Propylene glycol	1	500 mL		
113	Chemical	Pyridine	1	500 mL		
114	Chemical	Resazurin	1	10 g		
115	Chemical	Resorcinol	1	25 g		
116	Chemical	Ringer's solution	1	500 mL		
117	Chemical	Safranin	1	25 g		
118	Chemical	Salicylic acid	1	500 g		
119	Chemical	Saponin solution	1	250 mL		
120	Chemical	Silver nitrate	1	25 g		
121	Chemical	Sodium acetate	1	500 g		
122	Chemical	Sodium azide	1	25 g		
123	Chemical	Sodium bisulfite	1	250 g		

124	Chemical	Sodium bicarbonate	1	500 g		
125	Chemical	Sodium borohydride	1	25 g		
126	Chemical	Sodium bromide	1	250 g		
127	Chemical	Sodium carbonate	1	500 g		
128	Chemical	Sodium carboxymethyl cellulose (NaCMC)	1	250 g		
129	Chemical	Sodium chloride	1	500 g		
130	Chemical	Sodium citrate	1	500 g		
131	Chemical	Sodium dodecyl sulfate (SDS)	1	250 g		
132	Chemical	Sodium hydroxide	1	500 g		
133	Chemical	Sodium hypochlorite	1	500 mL		
134	Chemical	Sodium lauryl sulfate (SLS)	1	250 g		
135	Chemical	Sodium sulfate (anhydrous)	1	500 g		
136	Chemical	Sodium sulfite	1	250 g		
137	Chemical	Sodium thiosulfate	1	500 g		
138	Chemical	Sorbic acid	1	250 g		
139	Chemical	Sorbitol	1	500 mL		
140	Chemical	Starch	1	500 g		
141	Chemical	Starch indicator solution	1	250 mL		
142	Chemical	Stearic acid	1	500 g		
143	Chemical	Sudan III	1	25 g		
144	Chemical	Sudan IV	1	25 g		
145	Chemical	Sulfonyl chloride	1	100 g		
146	Chemical	Sulphur powder	1	500 g		
147	Chemical	Sulphuric acid (H ₂ SO ₄)	1	2.5 L		
148	Chemical	Succinic acid	1	250 g		
149	Chemical	Tartaric acid	1	500 g		
150	Chemical	Talc	1	250 g		
151	Chemical	Tetrabutylammonium bromide (TBAB)	1	25 g		
152	Chemical	Thionyl chloride	1	500 mL		

153	Chemical	Thymol / Menthol	1	25 g		
154	Chemical	Triethylamine	1	500 mL		
155	Chemical	Tween 80 (Polysorbate 80)	1	500 mL		
156	Chemical	Urease–Berthelot reagents	1	set		
157	Chemical	Vaseline (White soft paraffin)	1	500 g		
158	Chemical	Wagner's reagent	1	250 mL		
159	Chemical	Zinc oxide	1	500 g		