



TENDER NO.612

“SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI.”

DUE ON 08.09.2026 AT 11:00 AM

Single Stage - Two Envelope Bidding Procedure

IMPORTANT DATES

Issuance of Tender Documents	17.08.2026 to 07.09.2026
Submission of Tender	08.09.2026 at 11:00 am
Opening of Tender	08.09.2026 at 11:30 am

TENDER NOTICE
(INVITATION FOR BIDS)

- 1) Sealed bids are invited from eligible bidders for **“SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI.”** SIUT, Karachi, Sindh invites bids on DDP / C&F basis from Bidders registered with FBR for Income Tax, Sales Tax and with SRB for Provincial Sales Tax (if applicable) and active on FBR “Active Taxpayers List” as required by Sindh Public Procurement Rules, 2010 (SPP Rules, 2010).

Tender No.	612
Name of Bid	“SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI.”
Bidding Procedure	Single Stage Two Envelope (Technical & Financial)
Bid Security	1% of the total bid value
Bid Validity	90 days
Tender Fee	Rs 3,000/- (non-refundable)
Issuance of Tender Documents	17.08.2026 to 07.09.2026
Submission of Tender	08.09.2026 at 11:00 am
Opening of Tender	08.09.2026 at 11:30 am

- 2) Tender is open in front of the all Suppliers/Manufacturers/Authorized representative / Distributors.
- 3) Complete set of tender documents containing Schedule of Requirements, Technical Specification with Terms & Conditions can be purchased with a non-refundable fee of Rs.3,000/- from the office of the Director SIUT, Ground Floor DFMC, Section CRS, Karachi during 2:00 pm to 4:00 pm on working days from **17.08.2026 to 07.09.2026**.
- 4) All required certificates / documents along with GST / NTN Certificate, Professional Tax Certificate etc. must be attached along with Technical information.
- 5) Bid shall include all applicable duties, taxes, levies and contribution imposed by Federal and Provincial Government or other body etc.
- 6) The bidder must enclose an affidavit on stamp paper of Rs.100/- that the bidder has not been blacklisted from any Government Department. If at any stage bidder found blacklisted the bid shall be rejected.
- 7) Procurement agency may reject all or any Bid subject to the relevant provision of (SPP Rules, 2010) all terms & condition of SPP Rules, 2010 shall be applicable.
- 8) Deduction in the bills will be done as per government rules.
- 9) Bid Security @ 1% of the total bid value of quoted items must be paid by the bidder in shape of pay order / demand draft / Bank Guarantee in favor of Director of SIUT Karachi (original instrument should be attached with Financial Bid).
- 10) In case of discrepancies between the Tender Notice and the Tender Documents, the Tender Documents shall take precedence.

- 11) Bids must be submitted at SIUT Trust Hospital (Ex-Regent Plaza) up to **08:00 a.m. on Sep 8th, 2026 (Tuesday)**. All bids must be accompanied by a bid security / earnest Money @ 1% of the total bid cost in shape of Pay Order/Demand Draft/ Bank Guarantee. Bids will be opened in the presence of the bidder's authorized representatives who choose to attend at the above address at **11:30 a.m.** late bids will be rejected.
- 12) In case of announcement of public holiday or any un-favorable circumstances, the bids shall be submitted and opened as per given schedule on the next working day.
- 13) Queries can be addressed at the following numbers or in person during office hours.

Tel: 021-99216977

Tel: 021-99215718/52

- sd -

**OFFICE OF THE DIRECTOR
OF SIUT, KARACHI, SINDH**

INSTRUCTIONS TO BIDDERS (ITB)

- 1) This Invitation for Bids is open to all Suppliers/Manufacturers/Authorized representative / Distributors and in case of imported goods, their Sole Agents / Importer in Pakistan, for **“SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI.”** The importers must possess a valid authorization from the Foreign Principal / Manufacturer and goods sale license issued by the competent authority in Pakistan and in case of manufacturer they should have a documentary proof of valid goods manufacturing license. All national firms duly registered with relevant tax and other authorities as required under the Federal and/or Sindh Government’s laws, statutes, rules and relevant instructions (consistent with Sindh Public Procurement Rules (SPP Rules, 2010), and instructions contained in this document.)
- 2) Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued in accordance with Rule 2 (q) of Public Procurement Rules 2010 and or blacklisted by any other procuring agency in the country.
- 3) The list of goods required, bidding procedures, and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:
 - a) Instructions to Bidders (ITB)
 - b) General Conditions of Contract (GCC)
 - c) Special Conditions of Contract (SCC)
 - d) Bid Data Sheet
 - e) Schedule of Requirements, Delivery & Price.
 - f) Specifications
 - g) Bid Form
 - h) Bid Security Form
 - i) Form of Bank Guarantee
 - j) Contract Form
 - k) Performance Security Form
 - l) Undertaking and Certificate
 - m) All Documents in “Documents’ Checklist”
 - n) Bid Evaluation Criteria
 - o) Any other document deemed necessary by procuring agency
- 4) Price should be quoted in figures & in printed form only.
- 5) The bid prepared by the Bidder must comprise all the required documents mentioned in **“Documents’ Check-list [Form K]”** and **“Bid Evaluation Criteria [Form J]”**. **The Bid must also include soft copies as mentioned in “Documents’ Checklist” [Form K]; otherwise Bid will be ignored.**
- 6) The prices quoted by the Bidders shall be fixed during the performance of the contract and shall not be subject to variation on any account. A bid submitted with an adjustable price or conditional will be treated as non-responsive and rejected.
- 7) The Bidder shall prepare bid comprising one single envelope containing two separate envelopes for financial proposal and technical proposal in original. The envelope shall be marked as **“FINANCIAL PROPOSAL”** and **“TECHNICAL PROPOSAL”** in bold and legible letters to avoid confusion. The financial and technical bids, each shall be consisting of the specified documents.

In Technical Proposal, the bidder must provide the original data sheet and Technical brochure, Income Tax NTN Certificate, Sales Tax Certificate, Agency certificate and other documents

wherever applicable as mentioned in this tender in “Documents’ checklist” and “Bid Evaluation Criteria”; otherwise the bid will be ignored. **Soft copy of Technical Bid/Proposal is mandatory and must be given in separate USB mandatorily on the format given.**

In Financial Proposal, the bidder should provide all financial information along with bid security/earnest money at the rate of 1% of the quoted value. A photocopy of the same should be attached with Technical Proposal but its value must not be disclosed and this can be achieved by placing a piece of paper on the place where amount is mentioned. **Soft copy of Financial Bid/Proposal is mandatory and must be given in separate USB mandatorily on the format given.**

- 8) Bidders shall quote rates on Delivered Duty Paid, and/or CFR/C&F.
- 9) In case Purchase order is issued for imports, the supplier / beneficiary will be entitled / eligible to claim payment of the purchase order amount upon submission of shipping documents.
- 10) In case of imports, following charges will be borne by the beneficiary (Supplier).
 - All charges outside Pakistan.
 - Confirmation Charges.
 - Amendment charges after establishing L/C.
 - Demurrage charges if shipment documents submitted late by supplier.
- 11) In case of Purchase order issued on DDP basis, the suppliers will be entitled / eligible to claim payment of the purchase order amount after delivery of goods by submission of original delivery challan, other related documents and inspection note.
- 12) All the applicable Federal and Provincial Government taxes on the value of the contract amount will be deducted from the bills of the Suppliers.
- 13) Successful Bidders shall have to pay Stamp duty @ 25 paisas per hundred rupees of the contract and affix the same on the Purchase Order/Contract Agreement. The Stamp (Sindh Amendment) Ordinance No: XVIII of 2002 refers). Fee for award of contracts: The service charges at the rate of 0.25% will be paid by the contractor on the amount of contract awarded as required under rule 83-A (1) of the Sindh Purchase Manual 1991.
- 14) The Procuring Agency will initially open only the envelopes marked “Technical Proposal” in the presence of Bidders or their representatives who chose to be present at the time of bid opening date, time and place specified in the tender documents. The Bidder or their representative who are present shall sign the attendance sheet. The envelope marked with “Financial Proposal” shall be retained in the custody of Procuring Agency without being opened till the completion of the Technical Evaluation.
- 15) A photocopy of Bid Security not specifying amount must be attached in technical proposal.
- 16) Bid evaluation will be performed by Technical Committee on the basis of Technical information submitted by the Bidder and verified from samples provided with the Bid. Product that comply with the advertised specifications and fulfill the requirement as per labelling will be considered for evaluation. Financial bids of technical qualified firms will be opened afterwards.
- 17) An interested bidder, who has obtained bidding documents, may request for clarification of contents of the bidding document in writing, and procuring agency shall respond to such queries in writing within three calendar days, provided they are received at least five calendar days prior to the date of opening of bid; Provided further that any clarification in response to a query by any bidder shall be communicated to all parties who have obtained bidding documents without disclosing the name of bidder who has raised the query.

- 18) At any time prior to the deadline for submission of bids, the Procuring Agency, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, may modify the bidding documents by amendment. All prospective bidders that have received the bidding documents shall be notified of the amendment in writing or by phone, and shall be binding on them. In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring Agency, at its discretion, may extend the deadline for the submission of bids.
- 19) The bidder is required to offer competitive price. All prices must not include the General Sales Tax (GST) as Procuring Agency is exempt for Sales Tax under Sales Tax Act, 1990 whereas other taxes and duties should be included where applicable. If there is no mention of taxes, the offered / quoted price shall be considered as inclusive of all prevailing taxes/duties. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the Procuring Agency.
- 20) Prices offered should be for the entire quantity demanded; partial quantity offers shall straightaway be rejected. Conditional offer shall also be considered as non-responsive bid.
- 21) While tendering your quotation, the present trend / inflation in the rate of goods and services in the market should be kept in mind. No request for increase in price due to market fluctuation in the cost of goods and services or any other reason whatsoever, shall be entertained.
- 22) Pursuant to Rule 89 of (SPP Rules, 2010), the bidder shall sign an Integrity Pact in accordance with prescribed format attached hereto.
- 23) All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.
- 24) The bid shall contain no alterations, omissions, or additions, unless such corrections are initialed by the person or persons signing the bid.
- 25) Incomplete, inaccurate, conditional and late bids shall not be accepted.
- 26) Bids shall be submitted either by the manufacturer or its sole agent, if submitted by the manufacturer itself then bid of authorized sole agent will be rejected. No sublet will be allowed.
- 27) Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the Bidder does not accept the correction of errors, its bid will be rejected.
- 28) The Procuring Agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of contract under the relevant provisions of SPP Rules, 2010, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Procuring Agency's action.
- 29) The Procuring Agency reserves the right to increase/decrease or delete the quantities of goods etc. at the time of award of contract and also reserves the right to increase/ decrease the quantity of goods and services originally specified in the contract without any change in unit price or other terms and conditions of goods at any time during the contract period as per SPP Rules, 2010
- 30) Prior to the expiration of the period of bid validity, the Procuring Agency will notify the successful Bidder through Advance acceptance. This will constitute the formation of the contract. Within seven (07) days after receipt of the Advance acceptance, the successful

Bidder shall furnish the performance security @ 5% of the contracted amount in the form of Demand Draft/Pay Order/ Bank Guarantee and sign the contract agreement. In case of any full/partial breach of the successful bidder the security will be utilized as per SPP Rules, 2010

- 31) Bid validity can be extended as per SPP Rules, 2010.
- 32) No bidder shall be allowed to alter or modify his bid after the bids have been opened. However the procuring agency may seek and accept clarifications to the bid that do not change the substance of the bid.
- 33) Distributor once nominated by the manufacturer will be for the whole contract period and manufacturer cannot change its distributor during the year in any case. In exceptional cases the tendering authority may approve changes.
- 34) The manufacturer should provide an undertaking that if his authorized / distributor / agent fails to carry out any assignment in total or in part, manufacturer will be responsible to carry out the same.
- 35) The Procuring Agency, without prejudice to any other remedy for breach of contract by written notice of default sent to the supplier, may terminate the contract in whole or in part and can take action under rule 35 of (SPP Rules, 2010)
 - (a) If the supplier fails to deliver any or all of the contracted items within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring Agency.
 - (b) If the Supplier fails to perform any other obligation(s) under the Contract.
 - (c) If the supplier, in the judgment of the Procuring Agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 36) Any queries regarding this tender should be sent to the purchase@siut.org. Please mention **“SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI.”**

GENERAL CONDITIONS OF CONTRACT

1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) **“The Contract”** means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) **“The Contract Price”** means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) **“The Goods”** means all of the Goods, equipment, machinery, and/or other materials, which the Supplier is required to supply to the Procuring agency under the Contract.
- (d) **“The Services”** means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
- (e) **“GCC”** means the General Conditions of Contract contained in this section.
- (f) **“SCC”** means the Special Conditions of Contract.
- (g) **“The Procuring Agency”** means
 - i. Any department or office of Government; or
 - ii. District Government; or
 - iii. Any authority, corporation, body or organization established by law or which is owned or controlled by the Government
- (h) **“The Supplier”** means the individual or firm supplying the Goods and Services under this Contract.
- (i) **“SPP Rules, 2010”** means the Sindh Public Procurement Rules, 2010 (Amended 2019).
- (j) **“Day”** means calendar day.

2. Standards

The Goods & Equipment supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.

3. Patent Rights

The Supplier shall indemnify the Procuring Agency against all third- party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods & Equipment or any part thereof in the Islamic Republic of Pakistan.

- 4. Performance Security**
- 4.1 Within seven (07) days, or any other duration as specified in SCC, of receipt of the notification of Contract Award, the successful Bidder shall furnish to the Procuring Agency the Performance Security in the amount specified in SCC.
- 4.2 The proceeds of the Performance Security shall be payable to the Procuring Agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 4.3 The performance security shall be denominated in the Pak Rupees and shall be an unconditional Bank Guarantee, Pay Order, Call Deposit as, provided in the bidding documents or another form acceptable to the Procuring Agency;
- 4.4 The performance security will be discharged by the Procuring Agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.
- 5 Inspections and Tests**
- 5.1 The Procuring Agency or its representative shall have the right to inspect and/or to test the Equipment to confirm their conformity to the Contract specifications at no extra cost to the Procuring Agency. The Procuring Agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 5.2 Should any inspected or tested Equipment fail to conform to the Specifications, the Procuring Agency may reject the Equipment, and the Supplier shall either replace the rejected Equipment or make alterations necessary to meet specification requirements free of cost to the Procuring Agency.
- 5.4 The Procuring Agency's right to inspect, test and, where necessary, reject the Equipment after the Equipment's arrival shall in no way be limited or waived by reason of the Equipment having previously been inspected, tested, and passed by the Manufacturer.
- 5.5 Nothing in GCC Clause 5 shall in any way release the Supplier from any warranty or other obligations under this Contract.
- 6. Packing**
- The Supplier shall provide such packing of the Equipment as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage.
- 7. Delivery and Documents**
- Delivery of the Equipment shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping / transportation and/or other documents to be furnished by the Supplier are specified in SCC.

- 8. Insurance** The Equipment supplied under the Contract shall be delivered consignee's end under which risk is transferred to the Procuring Agency after having been delivered; hence insurance coverage is Supplier's responsibility.
- 9 Transportation** The Supplier is required under the Contact to transport the Equipment to a specified place of destination and shall be arranged by the Supplier, and related costs shall be deemed to have been included in the Contract Price.
- 10 Incidental Services**
- 10.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or start-up of the supplied Equipment;
 - (b) Furnishing of tools required for assembly and/or maintenance of the supplied Equipment.
 - (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Equipment;
 - (d) Performance or supervision or maintenance and/or repair of the supplied Equipment, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract.
- 11. Spare Parts**
- 11.1 The Supplier should provide any or all of the notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:
- (a) such spare parts as the Procuring agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
 - (b) in the event of termination of production of the spare parts:
 - (i) advance notification to the Procuring Agency of the pending termination, in sufficient time to permit the Procuring Agency to procure needed requirements; and
 - (ii) Following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

- 12. Warranty**
- 12.1 The Supplier warrants that the Equipment supplied under the Contract are new, unused, of desired models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Equipment supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring Agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Equipment in the conditions prevailing in the country of final destination.
- 12.2 This warranty shall remain valid as per BOQ (05 Years with parts and service wherever applicable) after the Equipment, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract.
- 12.3 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Procuring Agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring Agency may have against the Supplier under the Contract.
- 13. Payment**
- 13.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.
- 13.2 The Supplier's request(s) for payment shall be made to the Procuring Agency in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and upon fulfillment of other obligations stipulated in the Contract.
- 13.3 Payments shall be made promptly by the Procuring Agency, but in no case later than forty five (45) days after submission of an invoice or claim by the Supplier.
- 13.4 The currency of payment is Pak. Rupees or on basis of F.O.R/CFR.
- 14. Prices**
- Prices charged by the Supplier for Equipment delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its Bid.
- 15. Contract Amendments**
- No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
- 16. Delays in the Supplier's Performance**
- 16.1 Delivery of the Equipment and Performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring Agency in the Schedule of Requirements.
- 16.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Equipment and performance of Services, the Supplier shall promptly notify the Procuring Agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring Agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 16.3 Except as provided under GCC Clause 17 a delay by the Supplier in the

performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages unless an extension of time is agreed upon pursuant to GCC Clause 16.2 without the application of liquidated damages.

- 17. Liquidated Damages**
- Subject to GCC Clause 20, if the Supplier fails to deliver any or all of the Equipment or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Equipment or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to GCC Clause 18.
- 18. Termination for Default**
- 18.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
- (a) if the Supplier fails to deliver any or all of the equipment within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring Agency pursuant to GCC Clause 16; or
 - (b) if the Supplier fails to perform any other obligation(s) under the Contract.
 - (c) if the Supplier, in the judgment of the Procuring Agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 19. Force Majeure**
- 19.1 Notwithstanding the provisions of GCC Clauses 16, 17 and 18, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 19.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring Agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 19.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring Agency in writing of such condition and the cause thereof. 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 all reasonable alternative means for performance not prevented by the Force Majeure event.
- 20. Resolution of Disputes**
- Resolution of dispute shall be through Mechanism for Redressal of Grievances as provided in the rules or through Arbitration Act, 1940.
- 21. Governing Language**
- The Contract shall be written in English language all correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.
- 22. Applicable Law**
- The Contract shall be interpreted in accordance with the applicable laws of Pakistan and SPP Rules, 2010, (Amended 2019).

23. Taxes and Duties

Supplier shall be entirely responsible for all taxes, duties (including stamp duty), license fees, etc., incurred until delivery of the contracted Equipment to the Procuring agency.

24. Overriding effect of Sindh Public Procurement Rules, 2010 (Amended 2019)

In case of conflict or primacy of interpretation the provisions of SPP Rules, 2010 (Amended 2019) shall have an overriding effect notwithstanding anything to the contrary contained in these bidding documents.

SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

1. Definitions (GCC – Clause 1)

The Procuring Agency is: Director, Sindh Institute of Urology & Transplantation (SIUT), Karachi.

2. Consignee (GCC – Clause 1)

The consignee is: Sindh Institute of Urology & Transplantation (SIUT), Karachi.

3. Goods (GCC – Clause 1)

“SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI.”

4. Performance Security (GCC Clause 8)

The amount of performance security, as a percentage of the Contract Price, shall be: 5% in the form of Pay order / Demand Draft / Bank Guarantee from any scheduled Bank of Pakistan.

5. Inspections and Tests (GCC – Clause 11)

Representative of Procuring Agency or his nominee shall inspect the procured good and ensure that it meets the tender specifications before its acceptance

6. Packing (GCC – Clause 13)

In addition to the General Condition of the Contract, items supply shall be made with a stamp “For SIUT only” on the packing of the Disposable items.

7. Delivery and Documents (GCC Clause 14)

1. Supplier shall supply the good within 7-15 days of Purchase Order and shall submit the following.

- Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- Packing List identifying the contents of Supply;
- Delivery note & Shipping Documents.
- Warranty and guarantee certificate;
- Undertaking & GD (if applicable)

2. Import Delivery Schedule.

8. Warranty (GCC – Clause 18)

The equipment shall bear 5 years comprehensive warranty with parts and services. Procuring Agency at its option may enter into a Service Level Maintenance Agreement upon expiry of the warranty period.

9. Payment (GCC – 19)

Payment for the supply of items will be made after deductions of all applicable taxes, duties, Levies & charges within 30 days from the submission of complete documents for delivery of items.

10. Liquidated Damages (GCC-25)

If the Supplier fails to deliver the goods or perform the services within the time period(s) specified in the contract, the Procuring Agency shall, without prejudice to its other remedies under the contract deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.07 percent of the Contract Price for each day of delay until actual delivery or performance, up

to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the Procuring Agency may consider termination of the contract.

11. Resolution of Disputes (GCC – 30)

In the case of a dispute between the Procuring agency and the Supplier, the dispute shall be referred to the dispute resolution mechanism as defined in rule 31, 32 and 34 of the (SPP Rules, 2010 Amended 2019)

12. Applicable Law (GCC – 32)

Contract shall be interpreted in accordance with the Sindh Public Procurement law of Sindh.

13. Taxes & Duties (GCC – 34)

Prices should include all taxes and duties of federal and provincial government except sales tax on goods items as SIUT in exempt as per clause 52A of Sixth schedule to Sales Tax Act, 1990.

BID DATA SHEET

The following specific data for “**SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI.**” to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB) Part One. Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

Introduction	
1	Name of Procuring Agency: Director Sindh Institute of Urology and Transplantation, Karachi. Telephone No 99216967 & 99216977
2	Name of Contract. “ SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI. ”
Bid Price and Currency	
3	- For the Goods offered within the Procuring Agency’s Country: the price quoted shall be on delivered duty paid (DDP) Basis at Consignee’s End. - For the Goods offered from Outside the Procuring Agency’s Country: the price quoted shall be on CFR / C&F Karachi Basis. - For the Goods offered within the Procuring Agency’s Country: the price quoted shall be in Pak Rupees. - For the Goods offered from Outside the Procuring Agency’s Country: the price quoted shall be in Foreign Currency.
Preparation and Submission of Bids	
4	Selection Criteria / Responsiveness Criteria: - The Bidder should not have been barred by any of Provincial or Federal Govt. Deptt., Agency, Organization or autonomous body or Private sector organization anywhere in Pakistan. (Submission of undertaking on 100/- legal stamp paper). - Income Tax Certificate (NTN), valid GST Registration Certificate and the firm must be active tax payer. - FDA/CE or any other Quality Certificate must be attached with profile. - The Equipment should be brand new and un-used and Proposed Equipment must have manufacturer’s warranty. - The Financial bid will be opened of those Bidders who will be qualified in Technical evaluation. - The Bidder must have local presence in Karachi in order to provide timely support services. - Tender Document duly signed and stamped each page by the Bidder along with complete company profile must be attached with Technical Bid. - The SIUT reserve the right to reject any Bid if any one of the above-mentioned Criteria is not fulfilled. - Bidder must comply with the Mandatory Section Bid Evaluation Criteria Form [J] and Documents’ checklist Form [K] for submission of Bid. Notes: Bidder must provide necessary supporting documents as proof in respect of the selection criteria mentioned above. Please refer “Instructions to Bidders” Section for further details.
5	Amount of bid security. 1% of Bid amount in shape of Pay Order / Bank Guarantee / Call Deposit.
6	Bid validity period. The period of bid validity shall be 90 days after the deadline of submission of Bids.
7	Clarification may be requested not later than 05 days before the submission date for Clarification of bid purposes only, the Procuring Agency’s address is: The (Procurement Officer) Procurement Department SIUT, Karachi.
8	Number of copies. One Original plus Soft Copy is Mandatory.
9	Amount of Performance Security will be @ 5% of the Bidding amount for the whole agreement period (till expiry of warranty) in the form of Demand Draft/Pay Order/Bank Guarantee from AAA rated scheduled Bank.
10	Stamp Duty shall be affixed on contract @ 0.25% or as applicable of value of supply as per Stamp Duty Act 1899.
11	Deadline for Bid submission. 08-09-2026 @ 11:30
12	Bid Evaluation: Lowest Evaluated Bid

FORMS

[FORM: A]

BID

Tender No. _____

Date: _____

To

**Office of the Director
SIUT, Karachi,
Sindh**

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver the Equipment, goods and / or specified in the said bidding documents for the sum of **[total bid amount in words and figures]** or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the requirements of this tender and purchase order.

If our Bid is accepted, we will submit Pay Order / Bank Draft / Call Deposit or obtain the guarantee of a bank in a sum equivalent to 5% of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring Agency.

We agree to abide by this Bid for a period of 90 days or such extended period as agreed from the date fixed for Bid opening as per Tender Notice, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this _____ day of _____ 20_____.

[Signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of

Note: This document should be on the letterhead of the Bidder and should be signed by a person competent and having the power of attorney to bind the Bidder. It should be enclosed inside the **Financial Proposal** by the Bidder.

BID SECURITY / EARNEST MONEY

Please attach a copy of earnest money Pay Order / Bank Draft / Call Deposit on below space.

--

1). Bid Amount

In Figures	
In Words	

2). Earnest Money / Bid Security 1%

In Figures	
In Words	

Note: Total Amount of Bid for the calculation of Earnest Money / Bid Security Should also be accounted for C&F at the rate of exchange seven working days before the date of opening of Bid.

Detailed working must be submitted in price schedule.

BID SECURITY
(In case of Bank Guarantee)

Guarantee No. _____

Amount (PKR) _____

Date of Issue _____

Date of Expiry _____

Name of Guarantor (Scheduled Bank in Pakistan) with address: _____

Name of Principal (Bidder) with address: _____

Bid Reference No. _____ Date of Bid _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal, we the Guarantor above-named are held and firmly bound into the **Sindh Institute of Urology and Transplantation**, (hereinafter called The Procuring Agency) in the sum stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid numbered and dated as above for _____
(Particulars of Bid) to the said Procuring Agency; and

WHEREAS, the Procuring Agency has required as a condition for considering the said Bid that the Principal furnishes a Bid Security in the above said sum to the Procuring Agency, conditioned as under:

- (1) that the Bid Security shall remain valid for a period of twenty-eight (28) days beyond the period of validity of the bid;
- (2) that in the event of;
 - (a) the Principal withdraws his Bid during the period of validity of Bid, or
 - (b) the Principal does not accept the contract of his Bid Price, pursuant to Clause 24 of Instructions to Bidders, or
 - (c) failure of the successful bidder to
 - (i) furnish the required Performance Security, in accordance with Clause 24 of Instructions to Bidders, or
 - (ii) sign the proposed Contract Agreement, in accordance with Clause 24 of Instructions to Bidders, the entire sum be paid immediately to the said Procuring Agency for delayed completion and not as penalty for the successful bidder's failure to perform.

NOW THEREFORE, if the successful bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract Agreement with the said Procuring Agency in accordance with his Bid as accepted and furnish within seven (07) days of receipt of Letter of Acceptance, a Performance Security with good and sufficient surety , as may be required, upon the form prescribed by the said Procuring Agency for the faithful performance and proper fulfilment of the said Contract or in the event of non- withdrawal of the said Bid within the time specified then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Guarantor shall forthwith pay to the Procuring Agency the said sum stated above upon first written demand of the Procuring Agency without cavil or argument and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Procuring Agency by registered post duly addressed to the Guarantor at its address given above.

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Guarantor shall pay without objection the sum stated above upon first written demand from the Procuring Agency forthwith and without any reference to the Principal or any other person.

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

Guarantor (Bank)

Witness:

1. Signature _____

1. _____

2. Name _____

3. Title _____

Corporate Secretary (Seal)

2. _____

(Name, Title & Address)

Corporate Guarantor (Seal)

Undertaking

WHEREAS [Bidder Name] hereby undertake against the Tender No. _____ to abide by the following clauses.

- a) Whether our tender accepted for total, partial or enhanced quantity for all or any single item. I/We also agree to supply and accept the said item(s) at the rates for the supply of contracted quantity within the stipulated period shown in the contract.
- b) We understand and confirm the refund of cost difference if the same equipment is/was supplied at lower rates to any other Govt./Semi Govt. or other institution in the province in the same fiscal year.
- c) If any of the information submitted in this tender is found incorrect, our contract may be cancelled at any stage on our cost and risk.

[Signature for and on behalf of Bidder]

[Date]

Note: This undertaking should be on a stamp paper of Rs. 100/- arranged by the Bidder. It should be enclosed inside the Technical Proposal by the Bidder.

Certificate

To
Office of the Director
SIUT, Karachi,
Sindh

WHEREAS [Bidder Name] hereby certify against the Tender No. _____ to abide by the following clauses.

- a) We guarantee to supply the equipment, stores and / or services in accordance with the requirement specified in the tender documents.
- b) We guarantee that the supplied medical equipment/machinery is the original and brand new product.
- c) Our firm is not black listed by any organization / Government Department.

Authorized Sign & Stamp

[Bidder Name]

Note: This certificate should be on the stamp paper of Rs. 100 and should be signed by a person competent and having the power of attorney to bind the Bidder. It should be enclosed inside the Technical Proposal by the Bidder.

ON STAMP PAPER

**[FORM: E]
CONTRACT**

Applicable Stamp Duty
should be paid either by
Stamp Paper or through
adhesive Stamps.

THIS AGREEMENT made the ____ day of _____ 20____ between [name of Procuring Agency] of [city and country of Procuring Agency] (hereinafter called "the Procuring Agency") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part:

WHEREAS the Procuring Agency invited bids for certain equipment and ancillary services, viz., [brief description of equipment and services] and has accepted a bid by the Supplier for the supply of those equipment and services in the sum of [contract price in words and figures] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Bid Form and the Price Schedule submitted by the Bidder;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract; and
 - (f) the Procuring Agency's Notification of Award and
 - (g) The Bidding Documents.
3. In consideration of the payments to be made by the Procuring Agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring Agency to provide the equipment and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring Agency hereby covenants to pay the Supplier in consideration of the provision of the equipment and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.
5. This agreement may be intended as will be mutually agreed by the parties hereto.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Procuring Agency

Supplier

Authorized Signature & Official Stamp

Authorized Signature & Official Stamp

Procuring Agency Name

Bidder Name

Address

Address

Contact No.

Contact No

PERFORMANCE SECURITY

Option 1 = Pay Order /Bank Draft / Call Deposit

Option 2 = Bank Guarantee

[FORM: F]

BANK GAURANTEEE

To:

Office of the Director
SIUT, Karachi,
Sindh

Guarantee No. _____

Amount (PKR) _____

Date of Issue _____

Date of Expiry _____

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

And whereas it has been stipulated in the said Contract that the Supplier shall furnish to the Procuring Agency with a scheduled bank for the sum of 5% of the total Contract amount as Security for compliance with the Supplier's performance obligations in accordance with the Contract.

And whereas we have agreed to provide a Guarantee: for the said Supplier.

Therefore, we hereby unconditionally and irrevocably guarantee, on behalf of the Supplier, up to a total of **[Amount of the Guarantee in Words and Figures]** and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without requiring the Procuring Agency to initiate action against the Bidder and without cavil or argument any sum or sums within the limits of **[Amount of Guarantee]** as aforesaid. The amount stated in the demand made under this guarantee shall be conclusive proof of the amount payable by the Guarantor under this guarantee.

The obligations of the Guarantor under this guarantee shall be valid for **[Period]** after the completion of delivery of supplies by the Bidder to the Procuring Agency of the full quantity of the goods for which this Guarantee is being given, and until all and any obligations and sums due have been paid in full.

Guarantor (Bank)

Witness:

1. Signature _____

1. _____

2. Name _____

3. Title _____

Corporate Secretary (Seal)

2. _____

(Name, Title & Address)

Corporate Guarantor (Seal)

SINDH INSTITUTE OF UROLOGY AND TRANSPLANTATION (SIUT)

Vendor Information Form

Company Name:				
N.T.N #				
Contact Person Name		Tel No.		Cell #
Designation		Email		

Entity Type				
1. Private ☐	2. Public ☐	3. NGO ☐	4. Sole Proprietor ☐	5. Partnership ☐

Type of Business				
1. International Manufacturer ☐	2. Domestic Manufacturer ☐	3. Importer ☐	4. Distributor ☐	5. Supplier ☐

Details of Owners / Management				
Name	Designation	Dir Tel No.	Email	CNIC No.

Principle Product and Services		
1)	3)	5)
2)	4)	6)

Registered Office			
Address:			
State / Province		District	
City		Country	
Tel (Office)		Cell No.	
Fax		Email	
Website (URL)		Zip Code	

Work Office			
Address:			
State / Province		District	
City		Country	
Tel (Office)		Cell No.	
Fax		Email	
Website (URL)		Zip Code	

Please specify below the names & designations of the employees of SIUT to whom Owner/CEO/Management of your firm has relationship.

S. No	Name	Designation	Relationship
1			
2			
3			

If no data is filled in the above table and subsequently any information contrary to above facts will come in notice of SIUT then, in addition to other action, SIUT may terminate Purchase Contract at the cost of Supplier.

All information given above are true and correct.

Authorized Person

Stamp of the Company

Copies to be attached: -

- a) CNIC of Owners/Top Management
- b) CNIC of Company Representative

[FORM: J]
BID EVALUATION CRITERIA

Please fill out the “Mandatory Section” here and submit the “Marking Section” in the “Technical Schedule (Form-G1 & G2).

S. No	Info Required	MANDATORY SECTION	Page No.
1	Technical	a)Registration with Income Tax – NTN (Attach Certificate), b) General Sales Tax Registration for goods c) Sindh Sales Tax (if applicable) registration with Sindh Revenue Board (Attached SECP Certificate)	
2	Technical	Active Tax Payer Status: (a) Income Tax (b) Sales Tax & (c) SRB status, wherever services are applicable.	
3	Technical	Must be registered with SECP/ Registrar of Firms in Pakistan (Certificate of Incorporation to be attached from SECP / Registrar of Firms)	
4	Technical	Professional Tax Certificate – Attach evidence	
5	Technical	Copy of the Pay order / Bank Draft of Bid security / Earnest money should be attached without showing the amount along with technical bid documents (Original bid security should be attached with financial proposal)	
6	Technical	Compliance of Terms & Conditions / Instructions in the Bidding Documents (Must submit the entire BIDDING DOCUMENTS, duly signed & stamped on each page with Technical Proposal)	
7	Technical	Submission of undertaking on legal valid and attested stamp paper as (Form C)	
8	Technical	Submission of undertaking on legal valid and attested stamp paper that the firm is not blacklisted by any institute of Federal, Provincial Government or any Organization anywhere in Pakistan (Certificate should be attached as sample FORM 'D')	
9	Technical	Company’s detailed profile.	
10	Technical	Valid Agency/Distribution certificate from the Manufacturer – Attach evidence (where applicable)	
11	Technical	Original Tender Purchase Receipt	
12	Technical	Technical Schedule (Form G1 & G2)	
13	Financial	Price Schedule (Form H)	

Non- Compliance to any above Mandatory Requirement will result to non-eligibility of Bidder.

S. No	Info Required	EVALUATION CRITERIA FOR APPLICANT (G1)	Max Points
1	Technical	Annual Turnover / Sales of Applicant (Sales) for Last Three Years Above 400 Million = 15 100 Million up to 400 Million = 10 Upto 100 Million = 5	15
	Technical	Current Working Capital	10
	Technical	Audited Financial Statement of Applicant for Last Two Years	10
	Technical	Income Tax Return of Applicant for the Last Two Years	10
	Technical	Satisfactory / Performance Certificate from more than 300 bed Government hospitals. Above 2 Hospitals = 15 Above 1 to 2 Hospitals = 10 Upto 1 Hospitals = 5	15

	Technical	Satisfactory / Performance Certificate From more than 300 bed Private hospitals. Above 2 Hospitals = 15 Above 1 to 2 Hospitals = 10 Upto 1 Hospitals = 5	15
	Technical	License to Import by DRAP (Attach Evidence) of applicant	15
	Technical	ISO certificate 9001 :2015 (Attach evidence) of Manufacturer	10
Total			100

Only Bidders who meet the minimum passing score of 60% will be eligible for further evaluation in the Product evaluation stage.

S. No	Info Required	EVALUATION CRITERIA FOR PRODUCT (G2)	Max Points
1	Technical	Conformity to the Technical Specifications a) Offered item / sample fully compliant with the required Specifications Points = 40 b) Offered item / Sample compliant with minor deviation $\leq 10\%$ from the required specifications and quality Points = 25 c) Major deviation(s) from Tender Specification or substandard Sample Points = 0	40
2	Technical	Previous Experience of Quoted Product in Government Hospital with minimum 300 bed capacity. (05 Marks for each Institute) (The bidder shall submit a summary of institutional sales, supported by corresponding POs and their respective DC, covering the period from Jan, 2023 onward. This summary must be provided on a stamp paper of Rs. 100, duly notarized/Legalized, and must be submitted along with copies of the relevant POs and DCs. Please note that only POs accompanied by duly acknowledged DCs from the respective institutions.)	15
3	Technical	Previous Experience of Quoted Product in Private Sector Hospital with minimum 300 bed capacity. (05 Marks for each Institute) (The bidder shall submit a summary of institutional sales, supported by corresponding POs and their respective DC, covering the period from Jan, 2023 onward. This summary must be provided on a stamp paper of Rs. 100, duly notarized/Legalized, and must be submitted along with copies of the relevant POs and DCs. Please note that only POs accompanied by duly acknowledged DCs from the respective institutions.)	15
4	Technical	Accredited by WHO, US-FDA, EMA, MHRA, TGA, PMDA, Swiss medic or Health Canada or by the SRA's (Attach relevant documents duly attested by senior executive)	10
5	Technical	Enlistment/Registration with DRAP (Attached Evidence)	10
6	Technical	ISO certificate ISO 13485 of Manufacturer (Attach evidence)	10
Total			100

Minimum 70 marks required out of 100 for pass the Product evaluation.

[FORM K]
DOCUMENTS' CHECKLIST

Please fill out the last 2 columns of this sheet and submit the hard copy along with soft copy.				
S. No	Info Required	Documents	Yes /No	Page No
1	Technical	Bid Letter [Form A]		
2	Technical	Tender Purchase Receipt (Original)		
3	Technical & Financial	Bid Security [Pay Order/Bank Draft on Form B1] [Bank Guarantee as per Form: B2]		
4	Technical	Undertaking as per [Form C]		
5	Technical	Certificate as per [Form D]		
6	After Award	Contract Agreement as per sample [Form E] [applicable after Award Letter]		
7	After Award	Performance Security / Pay order / Bank Draft / Bank Guarantee as per sample [Form F] [applicable after Award Letter]		
8	Technical	Technical Schedule [Form G1, G2] (Soft copy is also compulsory)		
9	Technical	Delivery Schedule (Included in Form-H,)		
10	Financial	Price schedule [Form H] (Soft copy is also compulsory)		
11	Technical	Vendor Information [Form I] (Soft copy is also compulsory)		
12	Technical	Bid Evaluation Criteria [Form J] (Soft copy is also compulsory)		
13	Technical	Documents' Check List [Form K] (Soft copy is also compulsory)		
14	Technical	Technical Integrity Pact [Form L]		

Documents are to be filled in the Bid in above sequence.

BIDDER'S DETAILS:

Bidder Name: _____

Address: _____

Tel No: _____

Fax No: _____

Contact Person: _____

Mobile No: _____

Email Address: _____

Notes: All the participants are hereby requested to read the instruction, General, Special Condition and Evaluation Criteria of Bid carefully because no additional documents will be entertained Considered after opening of the bids. Bid evaluation and technical evaluation would be Carried out only on the basis of documents provided in the bid.

SOFT COPIES:

1. **Soft copy of Technical bid/Schedule of items quoted by Bidder is also mandatory according to our given format. [G Schedule]**
2. **Soft copy of Financial Bid/Price schedule is mandatory according to our given format. [Form H]**
3. **Soft copy of Vendor Information is also mandatory according to our given format with attachments. [Form I]**
4. **Soft copy of "Bid Evaluation Criteria" duly filled must be enclosed. [Form J]**
5. **Soft copy of "Documents' checklist" is mandatory according to our format above. [Form K]**
6. **Scanned copy of all Technical & Financial Document must be provided on USB separately.**

INTEGRITY PACT

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: _____

Dated: _____

Contract Value: _____

Contract Title: _____

_____ hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

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

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

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

Notwithstanding any rights and remedies exercised by PA in this regard, _____

_____ agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by

_____ as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.

[Procuring Agency]

[Supplier /Contractor/Consultant]

TENDER NO. 612
[Evaluation Criteria For Applicant]

Annexure-G1

A	B	C	D	E	F	G	H	I	J
Applicant Name & Category	Annual Turnover / Sales of Applicant (Sales) for Last Three Years Above 400 Million = 15 100 Million up to 400 Million = 10 Upto 100 Million = 5	Current Working Capital	Audited Financial Sataement of Applicant for Last Two Years	Income Tax Return of Applicant for the Last Two Years	Satisfactory / Performance Certificate From more than 300 bed Government hospitals. Above 2 Hospitals = 15 Above 1 to 2 Hospitals = 10 Upto 1 Hospitals = 5	Satisfactory / Performance Certificate From more than 300 bed Private hospitals. Above 2 Hospitals = 15 Above 1 to 2 Hospitals = 10 Upto 1 Hospitals = 5	License to Import by DRAP (Attach Evidence)	ISO certificate 9001 :2015 (Attach evidence)	Total Marks
Marks	15	10	10	10	15	15	15	10	100

For Example

XYZ(PTV LTD	100 Million (Page #2)	YES (Page #3)	YES (Page #4)	YES (Page #5)	YES 5 Hospital (Page #6)	YES 5 Hospital (Page #7)	YES (Page #30)	YES (Page #31)	
-------------	--------------------------	------------------	------------------	------------------	-----------------------------	-----------------------------	-------------------	-------------------	--

INSTRUCTIONS Qualifying Marks: 60 %.
Following Content should be inserted as described:

A : Please insert Applicant Names & Category
B : Please insert Amount in Million & page No. of Attachment.
C : Please insert Yes/No & Page No. of attachment
D : Please insert Yes/No & Page No. of attachment
E : Please insert Yes/No & Page No. of attachment
F : Please insert Yes/No & Page No. of attachment
G : Please insert Yes/No & Page No. of attached evidence

H: Please insert Yes/No & Page No. of attached evidence
I : Please insert Yes/No & Page No. of attached evidence
J : Please insert Yes/No & Page No. of attached evidence

Note: Please provide softcopy of this Annexure.

Tender No. 612
[Product Evaluation Schedule]

Annexure-G2

PRODUCT GENERAL INFORMATION								TO BE FILLED OUT BY THE BIDDER						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
S.No	Tender Item Code	Name of Item	Supplier Name	Brand Name	Manufacturer	Required Quantity	UOM	a) Offered item/sample fully compliant with the required specifications = 40 Points b) Offered item/sample compliant with minor deviation ≤ 10% from the required specifications and quality = 25 Points c) Major deviation(s) from Tender Specification or substandard Sample = 0 Points	Previous Experience of Quoted Product in Government Hospital with minimum 300 bed capacity. (05 Marks for each Institute) (The bidder shall submit a summary of institutional sales, supported by corresponding POs and their respective DC, covering the period from Jan, 2023 onward. This summary must be provided on a stamp paper of Rs. 100, duly notarized/Legalized, and must be submitted along with copies of the relevant POs and DCs. Please note that only POs accompanied by duly acknowledged DCs from the respective institutions.)	Previous Experience of Quoted Product in Private Sector Hospital with minimum 300 bed capacity. (05 Marks for each Institute) (The bidder shall submit a summary of institutional sales, supported by corresponding POs and their respective DC, covering the period from Jan, 2023 onward. This summary must be provided on a stamp paper of Rs. 100, duly notarized/Legalized, and must be submitted along with copies of the relevant POs and DCs. Please note that only POs accompanied by duly acknowledged DCs from the respective institutions.)	Accredited by WHO, US-FDA, EMA, MHRA, TGA, PMDA, Swissmedic or Health Canada or by the SRA's (Attach relevant documents duly attested by senior executive)	Enlistment/Registration with DRAP (Attached Evidence)	ISO certificate ISO 13485 (Attach evidence)	Total Marks
Marks								40	15	15	10	10	10	100
For Example														
1	ABC	YXZ	DEF	GHI	10		Nos	Blank	Yes, P # 24	Yes, P # 25	P # 11	P # 10	Yes, P # 2	
1	0001	Coagulation analyzer with reagents & ups BRAND NEW ANALYZER NOT RE-FURBISHED Detection Methodology Clotting, chromogenic, immunoturbidimetric, aggregometry Wavelengths 340 nm, 405 nm, 575 nm, 660 nm, 800 nm, No. of Detector Channels 10 Throughput PT: 180 tests/hour PT/appt: 180 tests/hour Available Assays • PT • APTT • Fibrinogen • Thrombin Time • Reptilase Time • Factor Activity & Fibrinolysis Reagent Positions 40 Data Storage Up to 10,000 samples Quality Control Levey-Jennings; Westgard multi-rule RUO assays must be validated before use in clinical practice. • Lupus Anticoagulant • Thrombophilia • Heparin • D-Dimer • von Willebrand factor 5 year warranty of parts with maintenance of equipment.				2	Nos							
2	0002	Cbc analyzer with reagents & ups BRAND NEW ANALYZER NOT RE-FURBISHED Principles and Technology Fluorescent flow cytometry using a semi-conductor laser and hydrodynamic focusing in dedicated channels Parameters: Whole Blood: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT (PLT-L, PLT-F1); NEUT#, NEUT%; IGR, IGR%; LYMPH#, LYMPH%; MONO#, MONO%; EO#, EO%; BASO#, BASO%; NRBC#, NRBC%; RDW-SD; RDW-CV; MPV; RET#, RET%; IRF, RET-He; IPF#1 , IPF%1 Body Fluid1: TC-BF, WBC-BF, RBC-BF PMN #, PMN%, MN #, MN% Throughput Whole Blood Mode: up to 100 CBC+DIFF samples/hour per module Body Fluid Mode1: up to 40 samples/hour per module Sample Aspiration Volume Whole Blood Mode: 88 µL Low WBC Mode: 88 µL Pre-dilute Mode: 70 µL Body Fluid Mode1: 88 µL Linearity WBC: 0.00 – 440.00 X 103 /µL RBC: 0.00 – 8.60 X 106/µL PLT: 0 – 5,000 X 103 /µL, WBC-BF1: 0.000 – 10.000 X 103 /µL RBC-BF1: 0.000 – 5.000 X 106/µL Quality Control: complete tri-level QC product for all CBC, Diff, PLT, and RET parameters Throughput: Up to 100 CBC /Hr. Short turnaround time Should be compact & Efficient in terms of work flow One material for QC of whole blood parameters Reagent container should be lighter and smaller Color coding of containers to software reagent screen increases operator ease and lower chances of error. 5 year warranty of parts with maintenance of equipment.				1	Nos							
3	0003	Automated blood group and cross match analyzer Capacity Samples: 50 Gel cards: 164 Reagent vials: 34 Dimensions Width: 115 cm 45.3 in Height: 98 cm 38.6 in Depth: 85 cm 33.5 in Weight: 213 kg 470 lb Minimal installation depth: 60 cm 23.6 in Electrical Data Voltage: 100-230 VAC Power fluctuation: ± 10% Transient overvoltage: Category II Frequency: 50/60 Hz Power consumption: 1,350 VA Environmental Conditions Operating temperatures: 18°C to 28°C / 64.4°F to 82.4°F Storage temperatures: -20°C to 55°C / -4°F to 131°F Operating humidity: 5% to 80% RH Storage humidity: 5% to 80% RH Altitude maximum: 2,000 m / 6,562 ft Emissions Heat emission: 1,000 W Noise level: max. 65 dB(A)				1	Nos							

Page 2 of 10

[illegible]

19	0019	ESR stand ESR means Erythrocyte Sedimentation Rate. ESR Stand is also known as Westergren Stand, ESR Westergren Stand and ESR Westergren Apparatus. ESR Stand is push type which can fit 12 Tubes. ESR Stand 12 Tubes is made of Stainless Steel. ESR Stand is a simple non-specific screening test that indirectly measures the presence of inflammation in the body associated with conditions such as infections, cancers, and autoimmune diseases. ESR reflects the tendency of red blood cells to settle more rapidly in the face of some disease states because of increases in plasma fibrinogen, immunoglobulins, and other acute-phase reaction proteins. <i>Changes in red cell shape or number may also affect the ESR.</i>				4	Nos						
20	0020	Hot plate Functions: Heating Type: Rectangular Display Digital: LED Controller PID: controller Keys, Switch & knobs: Press buttons Keys, On/Off Switch & Energy Regulator Top Plate: material Stainless Steel (SS304) Number of Plate: Single Plate Temperature Range (°C): 0-300°C Power rating (kW): 1.0 kW 1.5 kW 2.0 kW 2.5 kW Power Supply: AC220V, 50/60Hz				2	Nos						
21	0021	Donor beds Type Electric / Manual Blood Donor Chair-Bed Frame Material Powder-coated mild steel or stainless steel Upholstery High-density foam with antimicrobial PVC/PU leather Backrest Adjustment 0°~75° (manual or electric) Leg Rest Adjustment 0°~45° (manual or electric) Armrests Two adjustable armrests (height, angle, and rotation adjustable) Height Adjustment 500~800 mm (electric models) Patient Positioning Sitting, reclining, and flat positions Load Capacity 180~250 kg Dimensions (L x W x H) Approx. 1900 x 650 x 550~800 mm Mattress High-density foam, waterproof, easy to clean Control System Handset/remote control (electric models) Mobility Four lockable castor wheels Safety Features Anti-slip feet or wheel brakes, stable frame, emergency positioning Power Supply AC 220~240V, 50/60 Hz (electric models) Accessories IV pole, side tray, paper roll holder (optional) Application Blood donation, transfusion, chemotherapy, dialysis Certifications CE, ISO 13485, IEC 60601 (model dependent)				6	Nos						
22	0022	Water bath Time Range 1~99h59min (0 is forever) Temperature Range RT.+5°C~100°C Temp. accuracy ±0.5°C Temp. Uniformity±0.5°C Number of holes 1 Volume 5Lx1 Workspace 276x118x98mmx1Voltage AC 220V 50Hz Power 700W Dimensions W 350xD 286xH 245mm Net weight 5.15kg				3	Nos						
23	0023	Deep freezers -40 Cabinet Type Capacity (L/Cu.Ft) Power Supply (V/Hz) Cooling Performance Drawers Upright;Double Doors 531/18.8 220~240/50 -40 Optional				8	Nos						
24	0024	Cryofuge Controller Type: Centri-Touch Touchscreen Dimensions (HWD): 39.9 x 32.1 x 35.4 in. (101.5 x 81.6 x 90.0 cm) Frequency: 50 Hz Net Weight: 1091.3 lb. (495 kg) Standards: EN 61010-1 3rd Edition, IEC 61010-2-020 3rd Edition, IEC 61010-2-101 3rd Edition, EN 61326-1 Class B, EN 61326-2-6, EN 62304, EN 62366, EN ISO 14971, EN ISO 13485 Temperature Range: -20°C to +40°C, adjustable to 1°C Type: Blood Banking Centrifuge Capacity: 6 x 550 mL and 8 x 550 mL Blood Bags Refrigerated: Yes Max. Speed: 5,000 rpm Max. RCF: 7,295 x g Run Time: 99 hours 59 min 59 sec (1 sec increments) Electrical Requirements: 380/400/415 V ±10% 50 Hz 3-phase Drive System: DuraFlex high torque brushless drive technology Warranty: 2 years unit, 5 years power-train (motor shaft and drive), 5 years refrigeration Other Functions: Multilingual selection, on-board training videos, user logging, user lock-out, automatic door opening, automatic rotor ID, on-screen display for imbalance, over temperature, stainless steel chamber, guidance display for error messages Profile (Acceleration/Braking): 11 accel, 12 decel, multiple emulation profiles				2	Nos						
25	0025	Plasma thawer Thawing Capacity 2 Bags Chamber Volume 2.2 gal 8.5 L Chamber Dimensions (w x h x d) 8 x 11 x 7.5 in 204 x 280 x 191 mm Exterior Dimensions (w x h x d) 11.25 x 16.25 x 14.75 in 286 x 413 x 375 mm Electrical 100V 50-60Hz 115V 50-60Hz 230V 50-60Hz Net Weight 38 lb 18 kg User Interface LED display				2	Nos						

Tender No. 612
[Product Evaluation Schedule]

Annexure-G2

26	0026	Plasma extractor White powder coated mild steel cabinet withstand corrosion, wear & tear on continues usage. Compression plate designed to exert uniform pressure on the blood bag. Attractive front panel bezel. Durable and reliable - Sturdy Construction Portable - Light weight Easy to use - Simple designPower: 220 V AC Sensor: Infra red Clamping: Solenoid Activated Pressure Plate: Acrylic Alarm: Audio Control: Automatic				2	Nos							
27	0027	Platelets agitator Temperature Range +20°C to +35°C Interior Dimensions (w x h x d) 23.8 x 19.9 x 18.9 in 604 x 505 x 480 mm Exterior Dimensions (w x h x d) 26 x 29.7 x 26 in 661 x 753 x 661 mm Electrical100-240V 50-60Hz Net Weight136 lb 62 kg Agitator Compatibility: PF48-Pro Display: C3" color touchscreen Noise Emission51.3 dB Energy Efficiency: 6.8MMJ/dm³				2	Nos							
28	0028	Bio sealer Premium sealing quality - new wide-sealing technology Power Adjustable Mode - the World-First Sealing Optimization Technology. One sealer guarantees the best result with any blood bag in the market Simple operation, fast sealing, no warm-up required Sealing hand unit ready Automatic tubing detection Arc detection LED indicator to show sealing progress Applicable to wide range of blood bag tubing Head protector / Splash guard for user safety Smart Solutions for Smarter Bloodbanking TUBE SEALER SE260 F Power: 100-240V, 50/60Hz				3	Nos							
29	0029	Tubes strippers Base Material: Aluminum Alloy 8, SUS Rollers: Special Composite Steel, Non-Rust Cutters: Not Available Features: Self-Centering Rollers Cutter: None Net Weight: 161.4 / 5% 68				3	Nos							
30	0030	Bio mixer Automatically clamps tubing when target volume is achieved. Rechargeable battery. Provides constant mixing of anticoagulant and blood. Digital LED display Dimensions: 71W x 71D x 127H cm (28 x 28 x 50") Audible & visual alarms. End of collection alarm				6	Nos							
31	0031	Apheresis machine Type: Continuous-flow blood cell separator Technology: Continuous-flow centrifugation with AIM™ (Automated Interface Management) Display: Color touchscreen Procedures: Platelet, Plasma, RBC, Leukocyte collection, Therapeutic Plasma Exchange (TPE), RBC Exchange Extracorporeal Volume: 141 mL (typical), 185 mL (maximum) Power Supply: 100–240 VAC, 50/60 Hz Dimensions (W x D x H): 52.7 x 81.3 x 106.4 cm (without IV pole) Weight: 92 kg Data Management: Procedure data storage, export, and printing Safety Features: Automated interface control, air/bubble detection, pressure monitoring, alarms, fluid balance monitoring Standards: CE, IEC 60601 compliant Application: Blood component collection and therapeutic apheresis				4	Nos							
32	0032	ID Diluent dispenser Application: Dispensing ID Diluent for gel card testing Dispensing Volume: 0.5–1.0 mL (preset) Volume Accuracy: ±1% Operation: Automatic / Push-button dispensing Compatible Reagent: ID Diluent bottles Power Supply: 100–240 VAC, 50/60 Hz Display: LED indicator Construction: Chemical-resistant housing Dimensions: Compact benchtop design Application: Area: Blood Bank and Immunohematology laboratories Standards: CE / ISO compliant (model dependent)				2	Nos							
33	0033	Donor area weighing scale Type: Analog Mechanical Bathroom Weighing Scale Material: Platform: Anti-slip textured rubber/plastic Body: Durable plastic/metal casing Color: Dark blue platform with white body Display Type: Analog dial with pointer Weight Capacity: Up to 120 kg (common for such models, exact value may vary) Graduation: 1 kg increments Measurement Units: Kilograms (kg) Zero Adjustment: Manual knob for calibration (usually found below the dial or on the base) Power Source: No batteries required (mechanical spring mechanism) Use Case: Home bathroom, personal health monitoring				2	Nos							

Tender No. 612
[Product Evaluation Schedule]

Annexure-G2

34	0034	B-p apparatus Initial Validation Compliant with WHO standards and ISO 81060-1 for non-invasive BP measurement Pressure Accuracy ± 3 mmHg Heartbeat Accuracy ± 3 bpm (typical) Operation Mode Automated, oscillometric, non-invasive Measurement Type Systolic, diastolic, and pulse rate Cuff Size Range Standard: 22–36 cm; Optional: 22–42 cm (wide-range) Cuff Type Adjustable, latex-free, durable, and easy to clean Storage Capacity 100–120 readings (with date/time stamp) Data Display Tabulated and graphical trends Connectivity Optional EMR or USB/Bluetooth data transfer Display Type Large LCD or LED display Settings User-selectable measurement intervals and auto-deflate control Body Movement Detection Alerts for motion interference Irregular Heartbeat Detection Detects arrhythmia during measurement Hypertension Indicator Classifies BP level per WHO standards Construction Robust medical-grade housing Power Supply AC adapter or rechargeable battery Standards Compliance WHO validation, ISO 81060-1, CE, ISO 13485				2	Nos						
35	0035	Emergency trolley Type Mobile Emergency/Crash Cart Material Powder-coated steel / ABS body Drawers 5 lockable drawers Top Surface ABS worktop with raised edges Mobility 4 swivel castors (2 with brakes) Locking System Central locking Load Capacity ≥ 100 kg Dimensions Approx. 850 × 520 × 980 mm Accessories IV pole, oxygen cylinder holder, defibrillator shelf, CPR board, waste bin, utility basket Application Emergency response in blood bank <i>Standard: FF-1 RD compliance</i> Minimum 2-year comprehensive warranty				2	Nos						
36	0036	Vortex Speed range: 0–2,850 rpm or better. Variable speed control with digital display. Touch and continuous operating modes. Suitable for tubes up to 50 ml and small flasks. Orbital motion for efficient mixing. Stable, non-slip base with low vibration. Operates on 220–240 V, 50/60 Hz. Complete with standard cup head and platform attachment. <i>Standard: FF-1 RD compliance</i> Minimum 2-year comprehensive warranty				10	Nos						
37	0037	Heating block Temperature range: Ambient +5°C to 100°C. Dry bath with minimum 3 interchangeable heating blocks. Heating rate: 30–100°C. Temperature stability: $\pm 0.05^\circ\text{C}$ at 40°C; $\pm 0.1^\circ\text{C}$ at 100°C or better. Digital temperature display with timer. Uniform heat distribution with over-temperature protection. Suitable for multiple tube sizes. Operates on 220–240 V, 50/60 Hz. Complete with heating blocks and accessories. <i>Standard: FF-1 RD compliance</i> Minimum 2-year comprehensive warranty				4	Nos						
38	0038	Water bath with shaker Temperature range: Ambient +5°C to 100°C. Temperature stability: $\pm 1.0^\circ\text{C}$ or better. Capacity: 5 liters. Microprocessor-controlled with digital temperature display. Stainless steel chamber with corrosion-resistant exterior. Uniform temperature distribution. Over-temperature protection and low water level safety cut-off. Hinged lid with openings for test tubes (preferred). Operates on 220–240 V, 50 Hz. Complete with power cord, user manual, and accessories. <i>Standard: FF-1 RD compliance</i> Minimum 2-year comprehensive warranty				3	Nos						
39	0039	Distillation plant Automatic laboratory water distillation plant for production of distilled water for clinical chemistry laboratory use. Capacity: Minimum 20–30 liters/hour. High-grade stainless steel (SS 304/316) construction. Produces high-purity distilled water with conductivity $\leq 2.5 \mu\text{S/cm}$. Automatic water level control with dry-run and overheating protection. Corrosion-resistant heating element with efficient condenser. Operates on 220–240 V, 50 Hz. Complete with all accessories, installation, and user training. <i>Standard: FF-1 RD compliance</i> Minimum 2-year comprehensive warranty				1	Nos						
40	0040	Deionization plant Laboratory-grade Deionized (DI) Water Purification System suitable for supplying purified water to clinical chemistry analyzers and laboratory equipment. Purification technology: Reverse Osmosis (RO) with Deionization (DI) or equivalent. Water production capacity: Minimum 25–30 liters/hour (or adequate to meet analyzer requirements). Product water quality: Conductivity $\leq 1 \mu\text{S/cm}$ or resistivity $\geq 1 \text{ M}\Omega\text{-cm}$. Multi-stage purification including sediment filter, activated carbon filter, RO membrane, and mixed-bed deionization cartridges. Automatic flushing and self-cleaning system. Built-in storage tank with automatic water level control. Digital display for water quality and system status. Low water pressure, high conductivity, and system fault alarms. Compact, floor-standing or wall-mounted design. Operates on 220–240 V, 50 Hz power supply. Complete with all installation accessories, tubing, fittings, and user manual. Minimum 2-year comprehensive warranty, including installation, commissioning, training, and preventive maintenance.				1	Nos						

Page 7 of 10

Tender No. 612
[Product Evaluation Schedule]

Annexure-G2

50	0050	Immunelectrophoresis system Power supply Operating voltage: 230Vac. +/-10% Output voltage range: 35-220 Vdc Max output current: 400 mA Max output power: 88 Watt Min resistor load: 88 ohm Setup resolution: 1 V Time setting range: 1 – 60min Ambient temperature: 0 - 40 OC Relative humidity: 0 - 90% Dimensions (WxDxH): 26.1x22x9 cm Weight: 4 Kg Gel dryer Operating temperature: 80-85 OC Operating voltage: 12Vac. +/- 10% Resistor power: 100 Watt Drying Surface: 12X15 cm Dimensions (WxDxH): 26.1x22x9 cm Weight: 3.155 kg Electrophoresis tank Number of gels: 1x 76X101 mm Gel size: 1x 76X101 mm Typical running conditions: 25-220 constant volts,400mA,70W maximum Total buffer required: 50 ml (25 ml in each cell) Dimension: 13.5X8.5X5.5 cm				1	Nos						
51	0051	Benchtop test tube centrifuge swing bucket Benchtop, microprocessor-controlled centrifuge with swing bucket rotor. Capacity: 30–100 tubes (depending on rotor configuration). Speed range: 200–14,000 rpm. Maximum RCF: Up to 20,913 × g or better. Swing bucket rotor speed: Minimum 5,000 rpm. Timer: 1–99 minutes with 1-minute increments. Digital display for speed, RCF, time, and operating status. Automatic lid lock, imbalance detection, and overspeed protection. Brushless maintenance-free motor with low noise. Operates on 220–240 V, 50/60 Hz. Complete with swing bucket rotor, buckets, tube adapters, and accessories.				9	Nos						
52	0052	Bench-top microcentrifuge with fixed-angle rotor Rotor capacity: 12–24 × 1.5/2.0 ml. microcentrifuge tubes. Maximum speed: 14,500 rpm or better. Maximum RCF: ≥16,000 × g. Digital LCD display for speed, RCF, and time. Timer with programmable run time and short spin (pulse) function. Automatic lid lock with automatic lid opening at the end of the run. Brushless, maintenance-free motor with low-noise operation. Imbalance detection and overspeed protection. Operates on 220–240 V, 50/60 Hz. Complete with rotor and accessories. Minimum 2-year comprehensive warranty.				9	Nos						
53	0053	Cold centrifuge High-Speed Capability: Up to 5500RPM and 6800kg Advanced Rotor Design: High-capacity rotors with automatic rotor recognition Real time display of run parameters: speed, time RCF and temperature Automatic Detection Imbalance: Automatic detection of imbalance and shut off Advanced Temperature Control: Precise temperature control and automatic refrigeration mode Multiple Safety Interlocks: Multiple safety interlocks to prevent lid opening during operation Automatic Lid Lock: Automatic lid lock during operation Protection against over speed conditions Temperature Monitoring: Continuous temperature monitoring and alarm system Intuitive touch screen interface for easy operation and monitoring Ability to log and store run data for future reference Ability to connect to laboratory networks for data transfer and remote monitoring Automatic software updates for improved performance and features Periodic parts maintenance 5-year parts warranty				1	Nos						
54	0054	Bench top Centrifuge Maximum Speed 13,500 RPM Maximum g-Force 20,412 xg Acceleration 10 profiles Deceleration 10 profiles Timed Run To 99 hrs 59 mins or Continuous run (hold) Max Capacity Volume Range 3 L Refrigeration System R452A Temperature Control -10° to 40°]°C Drive Type Cooling Brushless Induction Temperature Range(s) From -10°C to +40°C Rotor ID Yes Zonal Capability FALSE Pollution Degree 2 Display Backlit LCD Material(s) Sheet Steel Finish Urethane Paint Weight 110 kg Width 60.5 cm Depth 63.5 cm Height 39.0 cm Clearances 30 cm Humidity Restrictions 75% (non-condensing)				2	Nos						

Tender No. 612
[Product Evaluation Schedule]

Annexure-G2

55	0055	Centrifuge Specifications Max. RCF 3000 × g Max. RCF with fixed-angle rotor 1900 × g Max. RCF with swing-bucket rotor 3052 × g Speed 100 – 4,400 rpm (100 rpm steps) Product type Centrifuges Rotors available 6 Max. capacity 4 × 100 mL Acceleration time1) ≤19 s Deceleration time1) ≤19 s Timer 0 – 99 min, with continuous run function SOFT brake function yes Noise level <52 dB(A) with Rotor A-4-38 Power supply 120 V, 60 Hz Max. power consumption 200 W Dimensions (W × D × H) 32 × 40 × 24 cm / 12.6 × 15.6 × 9.6 in Product weight 19 kg / 41.9 lb Height (with open lid) 53 cm / 20.7 in Cooling non-refrigerated Temperature range – Max. capacity Conical tubes 20 × 15 mL/ 4 × 50 mL				2	Nos					
56	0056	Centrifuge Specifications Max. RCF 21300 × g Max. RCF with fixed-angle rotor 21300 × g Max. RCF with swing-bucket rotor 3217 × g Speed 100 – 15,060 rpm Product type Centrifuges Rotors available 6 Max. capacity 10 × 5.0 mL Acceleration time1) 15 s Deceleration time1) 15 s Timer 10 s to 9:59 h, with continuous run function SOFT brake function 10 ramps Noise level average of 45 dB(A) in the first 12 minutes and < 51 dB(A) thereafter with Rotor FA-24x2 Power supply 120 V, 50 – 60 Hz Max. power consumption 280 W Dimensions (W × D × H) 24 × 39 × 24 cm / 9.5 × 15.4 × 9.5 in Product weight 15.6 kg / 34.4 lb Height (with open lid) 48 cm / 18.8 in				3	Nos					
57	0057	Centrifuge with plate rotor Max. RCF 20913 × g Max. RCF with fixed-angle rotor 20913 × g Max. RCF with swing-bucket rotor 4500 × g Max. RCF with plate rotor 2250 × g Speed 200 – 14,000 rpm (10 rpm steps) Timer 1 min to 99 min, with continuous run function, short-spin Power supply 230 V, 50 – 60 Hz Cooling refrigerated Temperature range -9°C to 40°C FDA/EU approved Karachi based service backup Post installation Service availability of qualified engineer Important: Installation and Service condition starts with every				1	Nos					
58	0058	Weigh machine Support Display Resolution 5D Series - Weighing Scale Simple Counting Function Energy-Saving Function External Digital-Calibration Low power & Charging status Indication Dimension: Scale: 284 x 384 x 100 mm (WxDxH) Platter: 273 x 212 mm (WxD) Specifications: Model Stainless Steel Platter Power Source: DC: 4Ah/6V Rechargeable battery or Dry Battery AC: 110V or 220V ± 10%, 50/60Hz. Automatic power-off : 1 minute Calibration function; Tare (zero) feature Low power indicator : LO_ Over load indicator : O_Ld Power : AAA x 2, 1.5v battery Temperature limits : 0-40° C (32-104°F) Scale size : 150 x 150 x 25 mm. Platform size : 130 x 100 mm Grade Max capacity 2000g				10	Nos					
59	0059	Near-Infrared (NIR) Vein Detector Portable, non-contact Near-Infrared (NIR) vein visualization system for assisting venipuncture, IV cannulation, and blood collection. Real-time projection of superficial vein patterns directly onto the skin with high-contrast imaging. Suitable for adult, pediatric, geriatric, obese, and difficult venous access (DIVA) patients. Vein visualization depth up to 8–10 mm with adjustable brightness, image size, and multiple display colors/modes. Lightweight handheld or portable design with rechargeable battery providing minimum 3 hours continuous operation; AC power compatible (100–240 V, 50/60 Hz). Safe optical technology with no ionizing radiation; compliant with IEC 60601-1 & IEC 60601-1-2, and CE and/or US FDA approved, manufactured under ISO 13485 quality standards. Supplied complete with rechargeable battery, charger, AC adapter, carrying case, user manual, and all accessories required for operation. Minimum 2-year comprehensive warranty, installation, commissioning, on-site user training, preventive maintenance during warranty, and availability of spare parts for at least 7 years. Bidder shall provide product literature, compliance statement, CE/FDA and ISO certificates, manufacturer's authorization, and details of local service support.				5	Nos					

60	0060	Water Bath with shaker Temperature range: Ambient +5°C to 100°C. Temperature stability: ±1.0°C or better. Capacity: 15 liters. Microprocessor-controlled with digital temperature display. Stainless steel chamber with corrosion-resistant exterior. Uniform temperature distribution. Over-temperature protection and low water level safety cut-off. Hinged lid with openings for test tubes (preferred). Operates on 220–240 V, 50 Hz. Complete with power cord, user manual, and accessories. Minimum 2-year comprehensive warranty.				3	Nos						
61	0061	Spectrophotometer Measurement Technology: Microvolume UV-Visible spectrophotometer with pedestal-based technology requiring no cuvettes or capillaries. Sample Volume: Capable of measuring sample volumes between 1–2 µL without dilution. Wavelength Range: 190–850 nm for nucleic acid, protein, and UV-Vis absorbance measurements. Optical Path Length: Automatically adjustable optical path lengths (e.g., 0.03 mm to 1.0 mm) for accurate measurement across a broad concentration range. Light Source: Long-life xenon flash lamp or equivalent maintenance-free light source. Detector: High-resolution CCD/CMOS array detector or equivalent for rapid full-spectrum acquisition. Spectral Resolution: ≤2 nm for accurate spectral analysis. Measurement Time: Complete spectral scan within 5–10 seconds. Absorbance Range: Wide dynamic range (approximately 0.02–300 A, equivalent using variable path length technology). Concentration Range: Suitable for measuring dsDNA concentrations from approximately 2 ng/µL to 27,500 ng/µL without dilution. Sample Retention System: Hydrophobic, corrosion-resistant measurement pedestals for easy sample loading and cleaning. Measurement Modes: Pre-installed applications for DNA, RNA, ssDNA, oligonucleotides, proteins (A280, BCA, Bradford, Lowry), labeled proteins, microbial cell density (OD600), and custom methods. Purity Assessment: Automatic calculation of A260/A280 and A260/A230 ratios for				1	Nos						
62	0062	Freezer for sample storage Upright Vercile Laboratory Freezer for long-term storage of biological samples. Capacity: 400–490 liters. Temperature range: -20°C to -40°C or better, adjustable. Microprocessor-controlled temperature with digital temperature display. Forced air cooling system with rapid temperature recovery. Audible and visual alarms for high/low temperature, power failure, door open, and sensor malfunction. Lockable insulated door with magnetic gasket. Adjustable stainless steel shelves and/or storage baskets. CFC/HFC-free, energy-efficient refrigeration system. Automatic defrost or manual defrost (as applicable) with frost control. Interior LED lighting. Castor wheels with locking mechanism for easy movement. Operates on 220–240 V, 50 Hz power supply. Supplied complete with temperature monitoring probe, storage baskets/shelves, user manual, and online UPS (if required). CE-ND/CE certified (where applicable) and manufacturer ISO 13485/ISO 9001 certified. Minimum 2-year comprehensive warranty with installation and user training.				8	Nos						
63	0063	Refrigerator for reagent laboratory Refrigerator suitable for storage of reagents, calibrators, controls, test kits, and biological samples. Capacity: Minimum 350–450 liters (or as required). Temperature range: +2°C to +8°C, microprocessor-controlled with precision temperature control. Digital temperature display with continuous temperature monitoring. Forced air circulation for uniform temperature distribution. Audible and visual alarms for high/low temperature, power failure, door open, and sensor malfunction. Lockable solid or glass door with magnetic gasket. Adjustable stainless steel or coated wire shelves. Interior LED lighting. Automatic defrost with condensate evaporation. CFC/HFC-free, energy-efficient refrigeration system. Castor wheels with locking mechanism. Operates on 220–240 V, 50 Hz power supply. Temperature data logging and external temperature probe port (preferred). Supplied complete with user manual and all standard accessories. CE certified and manufacturer ISO 13485/ISO 9001 certified. Minimum 2-year comprehensive warranty, including installation, commissioning,				12	Nos						

QUALIFYING MARKS: 70%

Financial bids of only "Technically Responsive Bidders" will be opened.

Note:

- i) If no evidence is attached for any technical specification mentioned above then the response will be considered as negative even if 'Yes' is given in the Bid Technical Schedule.
- ii) The technical evaluation carried out by the Procurement Committee SIUT, Karachi will be final which will be assessed on technical aspect and clinical experience basis of the Consultant (s) in the relevant speciality. In case no firm fulfills the scoring criteria, the procurement committee remarks will be considered as final
- iii) Hardcopy & softcopy of this Form-G is Mandatory.

Delivery Schedule:

- iv) Items are to be supplied within 7 to 15 days from the date of Purchase Order, in case of imports by SIUT, items should be supplied within 45 days

“SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI.”

[FORM: H]

Price Schedule

Note : Please read instruction at the end of this sheet before filling out this

S. No	Item Code	Item Description	Company Name	Brand Name	Manufacturer	Required Quantity	U.O.M	Pack Size	Rate Per Reportable Test (Reagent + Consumables)”	Rate in PKR / Per Unit	Total Amount in (PKR)	C&F Rate	Foreign Currency	Conversion Rate must be entered	Total Amount C&F	Earnest Money @ 1% of Bid Amount	Delivery Schedule	Remarks (if any)
A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
1	0001	Coagulation analyzer with reagents & ups BRAND NEW ANALYZER NOT RE-FURBISHED Detection Methodology Clotting, chromogenic, immunoturbidimetric, aggregometry Wavelengths 340 nm, 405 nm, 575 nm, 660 nm, 800 nm, No. of Detector Channels 10 Throughput PT: 180 tests/hour PT/appt: 180 tests/hour Available Assays • PT • APTT • Fibrinogen • Thrombin Time • Reptilase Time • Factor Activity & Fibrinolysis Reagent Positions 40 Data Storage Up to 10,000 samples Quality Control Levey-Jennings; Westgard multi-rule RUO assays must be validated before use in clinical practice. • Lupus Anticoagulant • Thrombophilia • Heparin • D-Dimer • von Willebrand factor 5 year warranty of parts with maintenance of equipment				2					-							
2	0002	Cbc analyzer with reagents & ups BRAND NEW ANALYZER NOT RE-FURBISHED Principles and Technology Fluorescent flow cytometry using a semi-conductor laser and hydrodynamic focusing in dedicated channels Parameters Whole Blood: WBC; RBC; HGB; HCT; MCV; MCH; MCHC; PLT (PLT-I, PLT-F1); NEUT#, NEUT%; IG#, IG%; LYMPH#, LYMPH%; MONO#, MONO%; EO#, EO%; BASO#, BASO%; NRBC#, NRBC%; RDW-SD; RDW-CV; MPV; RET#, RET%; IRF, RET-He; IPF#1 , IPF%1 Body Fluid1: TC-BF, WBC-BF, RBC-BF PMN #, PMN%, MN #, MN% Throughput Whole Blood Mode: up to 100 CBC+DIFF samples/hour per module Body Fluid Mode1: up to 40 samples/hour per module Sample Aspiration Volume Whole Blood Mode: 88 µL Low WBC Mode: 88 µL Pre-dilute Mode: 70 µL Body Fluid Mode1: 88 µL Linearity WBC: 0.00 – 440.00 X 10 ³ /µL RBC: 0.00 – 8.60 X 10 ⁶ /µL PLT: 0 – 5,000 X 10 ³ /µL WBC-BF1: 0.000 – 10.000 X 10 ³ /µL RBC-BF1: 0.000 – 5.000 X 10 ⁶ /µL Quality Control: complete tri-level QC product for all CBC, Diff, PLT, and RET parameters Throughput: Up to 100 CBC /Hr. Short turnaround time Should be compact & Efficient in terms of work flow One material for QC of whole blood parameters Reagent container should be lighter and smaller Color coding of containers to software reagent screen increases operator ease and lower chances of error.				1					-							

“SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI.”

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
3	0003	Automated blood group and cross match analyzer Capacity Samples: 50 Gel cards: 164 Reagent vials: 34 Dimensions Width: 115 cm 45.3 in Height: 98 cm 38.6 in Depth: 85 cm 33.5 in Weight: 213 kg 470 lb Minimal installation depth: 60 cm 23.6 in Electrical Data Voltage: 100-230 VAC Power fluctuation: ± 10% Transient overvoltage: Category II Frequency: 50/60 Hz Power consumption: 1,350 VA Environmental Conditions Operating temperatures: 18°C to 28°C / 64.4°F to 82.4°F Storage temperatures: -20°C to 55°C / -4°F to 131°F Operating humidity: 5% to 80% RH Storage humidity: 5% to 80% RH Altitude maximum: 2,000 m / 6,562 ft Emissions Heat emission: 1,000 W Noise level: max. 65 dB(A)				1					-							
4	0004	CBC Analyzer Parameters 20 in whole blood mode and pre-diluted mode WBC, RBC, HGB, HCT , MCV, MCH, MCHC, PLT, LYM% (W-SCR), MXD% (W-MCR), NEUT% (W-LCR), LYM# (W-SCC), MXD# (W-MCC), NEUT# (W-LCC), RDW-SD, RDW-CV, PDW, MPV, P-LCR, PCT Technologies DC detection method (WBC, RBC/PLT) non-cyanide haemoglobin detection method (HGB) Throughput approx. 60 samples per hour Sample volume approx. 50 µL (whole blood mode) approx. 20 µL (pre-diluted mode) Data storage up to 35,000 samples including histograms Quality control 6 files for 60 data sets each (internal QC) Dimensions/weights w x h x d [mm] / [kg] 420 x 480 x 355 / approx. 30				1					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
5	0005	Immunoassay Analyser with UPS, printer Fully automated, random access, computer-controlled, floor-standing Chemiluminescence Immunoassay (CLIA) Analyzer for in vitro quantitative and qualitative analysis of hormones, tumor markers, infectious disease markers, cardiac markers, therapeutic drug monitoring, and other immunoassays. Analytical principle: Chemiluminescent Immunoassay (CLIA). Throughput: Minimum 200 tests/hour. Continuous loading of samples, reagents, and consumables without interrupting operation. STAT sample processing capability. Barcode reader for samples and reagents. Automatic sample dilution, repeat testing, reflex testing, and automatic rerun. Automatic calibration and onboard quality control (QC). Refrigerated onboard reagent compartment with reagent inventory management. Compatible with primary tubes, sample cups, and pediatric tubes. Online full unidirectional and bidirectional LIS/HIS communication with interface capability. Touchscreen/computer-based operation with patient database, calibration history, QC management, and maintenance logs. Automatic liquid level detection, clot detection, probe washing, and carryover prevention. Complete system supplied with computer/workstation, monitor,				3					-							
6	0006	Chemistry fully automated analyser with ISE and UPS, printer, distillation plant Fully automated, random access clinical chemistry analyzer with STAT capability. Analytical principles: Spectrophotometry, Turbidimetry, and Potentiometry (Integrated ISE). Throughput: Minimum 1,000 photometric tests/hour; up to 1,200 tests/hour including ISE. Integrated ISE module for Sodium (Na), Potassium (K), and Chloride (Cl). Automatic calibration, auto quality control (QC), and automatic rerun/reflex testing. Continuous loading of samples and reagents without interrupting analysis. Barcode reader for samples and reagents. Automatic sample dilution with programmable dilution factors. Refrigerated onboard reagent compartment with reagent inventory management. Compatible with primary tubes, sample cups, and pediatric tubes. Online full unidirectional and bidirectional LIS/HIS communication with interface capability. Built-in quality control software with Levey-Jennings charts and Westgard rules. Touchscreen/computer-based operation with patient data storage and maintenance logs. Automatic probe washing, liquid level detection, clot detection, and				2					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
7	0007	Blood gas analyser Fully automated, bench-top Blood Gas Analyzer for rapid in vitro analysis of critical care samples. Measured parameters: pH, pO ₂ , pCO ₂ , Sodium (Na), Potassium (K), Chloride (Cl), Ionized Calcium (iCa), Glucose, Lactate, Hematocrit (where applicable), and calculated blood gas parameters. Sample types: Whole blood, serum, plasma, dialysate, and quality control (QC) materials. Automatic calibration, automatic quality control (QC), and onboard quality assurance. Random access with STAT sample capability and rapid turnaround time. Barcode reader for sample and reagent identification. Automatic sample aspiration with low sample volume requirement. Online full unidirectional and bidirectional LIS/HIS communication with interface capability. Touchscreen/computer-controlled operation with patient data storage and QC management. Continuous onboard reagent system with automatic reagent monitoring. Complete system supplied with computer/workstation (if required), barcode reader, printer, online UPS, starter reagents, calibrators, and QC materials. CE-IVD and/or US FDA approved; manufacturer ISO 13485 certified. Minimum 2-year comprehensive warranty, including installation, validation, user training, and preventive maintenance.				2					-							
8	0008	Automated Urine Analyzer Urine Auto analyzer (with microscope) Storage Capacity: 100,000 tests results Maximum Loading strips: 200 strips Tests parameters for chemistry and microscopy Test principle: Photoelectric calorimetry Wavelength: 525nm, 572 nm, 610 nm, 660nm Built- in bar code system Periodic parts maintenance 5-year parts warranty				1					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
9	0009	Semi-automated Urine Analyzer Test Principle: Photoelectric colorimetry Test Wavelengths: 525nm, 572nm, 610nm, 660nm Throughput: 514 strips/hour Display: 5.7" LCD Printer: Built-in thermal printer Data Memory: 5,000 patient results Computer Interface: RS-232 port; parallel printer interface Power Supply: 100~240 VAC, 50Hz/60Hz Power Consumption: 40VA Dimensions: Approximately 395mm × 382mm × 304mm Weight: Approximately 7.4 kg Periodic parts maintenance 5-year parts warranty				2					-							
10	0010	Osmometer Fully automated Freezing Point Depression Osmometer. Measurement range: 0–2,000 mOsm/kg H ₂ O or better. Sample types: Serum, plasma, urine, CSF, and QC materials. Sample volume: ≤50 µL. Automatic calibration and Auto QC. Barcode reader and auto dilution (where applicable). Online full unidirectional and bidirectional LIS/HIS communication with interface capability. Touchscreen/computer-controlled with patient data storage. Complete with printer, UPS, calibrators, QC materials, and accessories. Minimum 2-year comprehensive warranty.				2					-							
11	0011	Automated blood culture system Instant bottle and instrument status recognition 200 vial capacity Data management LCD touchscreen and barcode scanner Online full Uni and bi-directional communication possible Interface available HXWXD 190.5X63.5X86.4 cm Easy to use Periodic parts maintenance 5-year parts warranty				2					-							
12	0012	Microscope Binocular microscope Objective 10x, 40x, 100x oil Mechanical stage with slide holder Fine focus control LED illumination Periodic parts maintenance 5-year parts warranty				9					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
13	0013	Slide stainer Slide Stainer/Cytocentrifuge automates the staining of blood and other body fluids to facilitate enhanced clarity using a rapid stain mode, a longer Wright-Giemsa mode, a May Grünwald Giemsa (MGG) mode or custom settings. Specifications and Important Information Loading capacity: 12 / 30 slides Throughput: Approximately 540 slides / hour Weight: 16.3 kg / 35.9 lbs Dimensions: 22 in x 10 in x 21 in 5 year warranty of parts with maintenance of equipment				2					-							
14	0014	Rods for staining Premium Stainless Steel – Rust-proof and durable construction ensures long-lasting performance in laboratory settings. Holds Multiple Slides – Designed to securely hold multiple slides vertically during staining processes. Lab Essential– Perfect for pathology, histology, and microbiology labs where precision slide staining is critical. Easy to Use and Clean – Simple design allows for easy handling and quick cleaning after use. Compatible with Most Staining Jars – Standard size fits widely-used glass or plastic staining jars and tanks				4					-							
15	0015	Leveler tool for staining Leveler tool (or spirit level) is an instrument to determine if a surface is perfectly horizontal (level) or vertical (plumb). It typically features a liquid filled vial with an air bubble; when the bubble sits perfectly between two center markings, the surface is balanced.				4					-							
16	0016	PH meter/ paper Digital Water PH Tester, 0-14 Measuring Value, 0.01 High Accuracy PH Meter Ideal for residential or commercial use, water, pool, spas, liquid food, laboratory, aquaculture and hydroponics Advanced technology makes the test result fast and accurate With Automatic Temperature Compensation (ATC), adjust to water temperature and give pH reading almost instantly Use “Calibration Buffer Powder” to calibrate the tester with one button. pH tester bright backlit LCD display, you can still see even in low visibility situations.				6					-							
17	0017	Cell counter Differential cell counters (manual or digital) are standard laboratory devices used to identify, tally, and calculate percentages of white blood cell (WBC) types. Standard features include dedicated, labeled keys for cell types (e.g., Basophils, Eosinophils, Neutrophils), totalizer windows, an audible alarm or bell upon reaching 100 counts, and a percentage calculation function.				4					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
18	0018	Water bath with lamp Time Range: 1~99h59min (0 is forever) Temperature Range: RT.+5°C~100°C Temp accuracy: ±0.5°C Temp Uniformity@37°C: ±0.5°C Number of holes: 1, Volume: 5Lx1 Workspace: 276x118x98mmx1 Voltage: AC 220V 50Hz, Power: 700 W Dimensions: W.360xD.286xH.245mm Net weight: 5.1kgs				2					-							
19	0019	ESR stand ESR means Erythrocyte Sedimentation Rate. ESR Stand is also known as Westergren Stand, ESR Westergren Stand and ESR Westergren Apparatus. ESR Stand is push type which can fit 12 Tubes. ESR Stand 12 Tubes is made of Stainless Steel. ESR Stand is a simple non-specific screening test that indirectly measures the presence of inflammation in the body associated with conditions such as infections, cancers, and autoimmune diseases. ESR reflects the tendency of red blood cells to settle more rapidly in the face of some disease states because of increases in plasma fibrinogen, immunoglobulins, and other acute-phase reaction proteins. Changes in red cell shape or numbers may also affect the ESR.				4					-							
20	0020	Hot plate Functions: Heating Type: Rectangular Display Digital: LED Controller PID: controller Keys, Switch & knobs: Press buttons Keys, On/Off Switch & Energy Regulator Top Plate: material Stainless Steel (SS304) Number of Plate: Single Plate Temperature Range (°C): 0~300°C Power rating (kW): 1.0 kW 1.5 kW 2.0 kW 2.5 kW Power Supply: AC220V 50/60Hz				2					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
21	0021	Donor beds Type Electric / Manual Blood Donor Chair-Bed Frame Material Powder-coated mild steel or stainless steel Upholstery High-density foam with antimicrobial PVC/PU leather Backrest Adjustment 0°–75° (manual or electric) Leg Rest Adjustment 0°–45° (manual or electric) Armrests Two adjustable armrests (height, angle, and rotation adjustable) Height Adjustment 500–800 mm (electric models) Patient Positioning Sitting, reclining, and flat positions Load Capacity 180–250 kg Dimensions (L × W × H) Approx. 1900 × 650 × 550–800 mm Mattress High-density foam, waterproof, easy to clean Control System Handset/remote control (electric models) Mobility Four lockable castor wheels Safety Features Anti-slip feet or wheel brakes, stable frame, emergency positioning Power Supply AC 220–240V, 50/60 Hz (electric models) Accessories IV pole, side tray, paper roll holder (optional) Application Blood donation, transfusion, chemotherapy, dialysis Certifications CE, ISO 13485, IEC 60601 (model dependent)				6					-							
22	0022	Water bath Time Range 1~99h59min (0 is forever) Temperature Range RT.+5°C~100°C Temp. accuracy ±0.5°C Temp. Uniformity@37°C ±0.5°C Number of holes 1 Volume 5Lx1 Workspace 276x118x98mmx1Voltage AC 220V 50Hz Power 700W Dimensions W.360xD.286xH.245mm Net weight 5.1kgs				3					-							
23	0023	Deep freezers -40 Cabinet Type Capacity (L/Cu.Ft) Power Supply (V/Hz) Cooling Performance Drawers Upright;Double Doors 531/18.8 220~240/50 -40 Optional				8					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
24	0024	Cryofuge Controller Type: Centri-Touch Touchscreen Dimensions (HWD): 39.9 x 32.1 x 35.4 in. (101.5 x 81.6 x 90.0 cm) Frequency: 50 Hz Net Weight: 1091.3 lb. (495 kg) Standards: EN 61010-1 3rd Edition, IEC 61010-2-020 3rd Edition, IEC 61010-2-101 3rd Edition, EN 61326-1 Class B, EN 61326-2-6, EN 62304, EN 62366, EN ISO 14971, EN ISO 13485 Temperature Range: -20°C to +40°C, adjustable to 1°C Type: Blood Banking Centrifuge Capacity: 6 x 550 mL and 8 x 550 mL Blood Bags Refrigerated: Yes Max. Speed: 5,000 rpm Max. RCF: 7,295 x g Run Time: 99 hours 59 min 59 sec (1 sec increments) Electrical Requirements: 380/400/415 V ±10% 50 Hz 3-phase Drive System: DuraFlex high torque brushless drive technology Warranty: 2 years unit, 5 years power-train (motor shaft and drive), 5 years refrigeration Other Functions: Multilingual selection, on-board training videos, user logging, user lock-out, automatic door opening, automatic rotor ID, on-screen display for imbalance, over temperature, stainless steel chamber, guidance display for error messages Profile (Acceleration/Braking): 11 accel, 12 decel, multiple emulation				2					-							
25	0025	Plasma thawer Thawing Capacity 2 Bags Chamber Volume 2.2 gal 8.5 L Chamber Dimensions (w x h x d) 8 x 11 x 7.5 in 204 x 280 x 191 mm Exterior Dimensions (w x h x d) 11.25 x 16.25 x 14.75 in 286 x 413 x 375 mm Electrical 100V 50-60Hz 115V 50-60Hz 230V 50-60Hz Net Weight 38 lb 18 kg User Interface LED display				2					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
26	0026	Plasma extractor White powder coated mild steel cabinet withstand corrosion, wear & tear on continues usage. Compression plate designed to exert uniform pressure on the blood bag. Attractive front panel bezel. Durable and reliable - Sturdy Construction Portable - Light weight Easy to use - Simple designPower 220 V AC Sensor Infra red Clamping Solenoid Activated Pressure Plate Acrylic Alarm Audio Control Automatic				2					-							
27	0027	Platelets agitator Temperature Range +20°C to +35°C Interior Dimensions (w x h x d) 23.8 x 19.9 x 18.9 in 604 x 505 x 480 mm Exterior Dimensions (w x h x d) 26 x 29.7 x 26 in 661 x 753 x 661 mm Electrical100-240V 50-60Hz Net Weight136 lb 62 kg Agitator Compatibility1 PF48-Pro Displayi.C3" color touchscreen Noise Emission51.3 dB Energy Efficiency1.5 kWh/day				2					-							
28	0028	Bio sealer Premium sealing quality - new wide-sealing technology Power Adjustable Mode - the World-First Sealing Optimization Technology. One sealer guarantees the best result with any blood bag in the market Simple operation, fast sealing, no warm-up required Sealing hand unit ready Automatic tubing detection Arc detection LED indicator to show sealing progress Applicable to wide range of blood bag tubing Head protector / Splash guard for user safety Smart Solutions for Smarter Bloodbanking TUBE SEALER SE260 F Power=100-240v, 50/60Hz				3					-							
29	0029	Tubes stippers Base Material Aluminum Alloy & SUS Rollers Special Composite Steel, Non-Rust Cutters Not Available Features Self-Centering Rollers Cutter None Net Weight (g) +/- 5% 68				3					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
30	0030	Bio mixer Automatically clamps tubing when target volume is achieved. Rechargeable battery. Provides constant mixing of anticoagulant and blood. Digital LED display Dimensions: 71W x 71D x 127H cm (28 x 28 x 50") Audible & visual alarms. End of collection alarm.				6					-							
31	0031	Apheresis machine Type Continuous-flow blood cell separator Technology Continuous-flow centrifugation with AIM™ (Automated Interface Management) Display Color touchscreen Procedures Platelet, Plasma, RBC, Leukocyte collection, Therapeutic Plasma Exchange (TPE), RBC Exchange Extracorporeal Volume 141 mL (typical), 185 mL (maximum) Power Supply 100–240 VAC, 50/60 Hz Dimensions (W × D × H) 52.7 × 81.3 × 106.4 cm (without IV pole) Weight 92 kg Data Management Procedure data storage, export, and printing Safety Features Automated interface control, air/bubble detection, pressure monitoring, alarms, fluid balance monitoring Standards CE, IEC 60601 compliant Application Blood component collection and therapeutic apheresis				4					-							
32	0032	ID Diluent dispenser Application Dispensing ID Diluent for gel card testing Dispensing Volume 0.5–1.0 mL (preset) Volume Accuracy ±1% Operation Automatic / Push-button dispensing Compatible Reagent ID Diluent bottles Power Supply 100–240 VAC, 50/60 Hz Display LED indicator Construction Chemical-resistant housing Dimensions Compact benchtop design Application Area Blood bank and immunohematology laboratories Standards CE / ISO compliant (model dependent)				2					-							
33	0033	Donor area weighing scale Type: Analog Mechanical Bathroom Weighing Scale Material: Platform: Anti-slip textured rubber/plastic Body: Durable plastic/metal casing Color: Dark blue platform with white body Display Type: Analog dial with pointer Weight Capacity: Up to 120 kg (common for such models, exact value may vary) Graduation: 1 kg increments Measurement Units: Kilograms (kg) Zero Adjustment: Manual knob for calibration (usually found below the dial or on the base) Power Source: No batteries required (mechanical spring mechanism) Use Case: Home bathroom, personal health monitoring				2					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
34	0034	B.p apparatus linical Validation Compliant with WHO standards and ISO 81060-1 for non-invasive BP measurement Pressure Accuracy ± 3 mmHg Heartbeat Accuracy ± 3 bpm (typical) Operation Mode Automated, oscillometric, non-invasive Measurement Type Systolic, diastolic, and pulse rate Cuff Size Range Standard: 22–36 cm; Optional: 22–42 cm (wide-range) Cuff Type Adjustable, latex-free, durable, and easy to clean Storage Capacity 100–120 readings (with date/time stamp) Data Display Tabulated and graphical trends Connectivity Optional EMR or USB/Bluetooth data transfer Display Type Large LCD or LED display Settings User-selectable measurement intervals and auto-deflate control Body Movement Detection Alerts for motion interference Irregular Heartbeat Detection Detects arrhythmia during measurement Hypertension Indicator Classifies BP level per WHO standards Construction Robust medical-grade housing Power Supply AC adapter or rechargeable battery Standards Compliance WHO validation, ISO 81060-1, CE, ISO 13485				2					-							
35	0035	Emergency trolley Type Mobile Emergency/Crash Cart Material Powder-coated steel / ABS body Drawers 5 lockable drawers Top Surface ABS worktop with raised edges Mobility 4 swivel castors (2 with brakes) Locking System Central locking Load Capacity ≥ 100 kg Dimensions Approx. 850 × 520 × 980 mm Accessories IV pole, oxygen cylinder holder, defibrillator shelf, CPR board, waste bin, utility basket Application Emergency response in blood bank Standards CE / ISO compliant				2					-							
36	0036	Vortex Speed range: 0–2,850 rpm or better. Variable speed control with digital display. Touch and continuous operating modes. Suitable for tubes up to 50 mL and small flasks. Orbital motion for efficient mixing. Stable, non-slip base with low vibration. Operates on 220–240 V, 50/60 Hz. Complete with standard cup head and platform attachment. Minimum 2-year comprehensive warranty				10					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
37	0037	Heating block Temperature range: Ambient +5°C to 100°C. Dry bath with minimum 3 interchangeable heating blocks. Heating rate: 30–100°C. Temperature stability: ±0.05°C at 40°C; ±0.1°C at 100°C or better. Digital temperature display with timer. Uniform heat distribution with over-temperature protection. Suitable for multiple tube sizes. Operates on 220–240 V, 50/60 Hz. Complete with heating blocks and accessories. Minimum 2-year comprehensive warranty				4					-							
38	0038	Water bath with shaker Temperature range: Ambient +5°C to 100°C. Temperature stability: ±1.0°C or better. Capacity: 5 liters. Microprocessor-controlled with digital temperature display. Stainless steel chamber with corrosion-resistant exterior. Uniform temperature distribution. Over-temperature protection and low water level safety cut-off. Hinged lid with openings for test tubes (preferred). Operates on 220–240 V, 50 Hz. Complete with power cord, user manual, and accessories. Minimum 2-year comprehensive warranty				3					-							
39	0039	Distillation plant Automatic laboratory water distillation plant for production of distilled water for clinical chemistry laboratory use. Capacity: Minimum 20–30 liters/hour. High-grade stainless steel (SS 304/316) construction. Produces high-purity distilled water with conductivity ≤2.5 µS/cm. Automatic water level control with dry-run and overheating protection. Corrosion-resistant heating element with efficient condenser. Operates on 220–240 V, 50 Hz. Complete with all accessories, installation, and user training. Minimum 2-year comprehensive warranty.				1					-							

“SUPPLY OF MACHINES & EQUIPMENT FOR LABORATORY AT MMC, KORANGI, & MAIN CAMPUS SIUT, KARACHI.”

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
40	0040	Deionization plant Laboratory-grade Deionized (DI) Water Purification System suitable for supplying purified water to clinical chemistry analyzers and laboratory equipment. Purification technology: Reverse Osmosis (RO) with Deionization (DI) or equivalent. Water production capacity: Minimum 25–30 liters/hour (or adequate to meet analyzer requirements). Product water quality: Conductivity ≤1 µS/cm or resistivity ≥1 MΩ·cm. Multi-stage purification including sediment filter, activated carbon filter, RO membrane, and mixed-bed deionization cartridges. Automatic flushing and self-cleaning system. Built-in storage tank with automatic water level control. Digital display for water quality and system status. Low water pressure, high conductivity, and system fault alarms. Compact, floor-standing or wall-mounted design. Operates on 220–240 V, 50 Hz power supply. Complete with all installation accessories, tubing, fittings, and user manual. Minimum 2-year comprehensive warranty, including installation, commissioning, training, and preventive maintenance.				1					-							
41	0041	Blood Roller Mixer Rolling and tilting action for gentle mixing of blood samples. Speed range: 10–100 rpm, variable speed. 5 rollers, minimum 320 mm roller length. Compatible with various tube diameters and lengths. Continuous operation with quiet, maintenance-free motor. Non-slip feet with stable, low-vibration operation. Operates on 220–240 V, 50/60 Hz. Complete with power cord and user manual. Minimum 2-year comprehensive warranty				8					-							
42	0042	Incubator Electronically controlled preheating chamber assuring accuracy and reproducible result Temperature range 5C- 100C Digital temperature display Inner glass door 15liters capacity and stackable racks User friendly Periodic parts maintenance 5-year parts warranty				4					-							
43	0043	CO2 incubator Electronically controlled preheating chamber assuring accuracy and reproducible result Temp range 7C to 60C Digital temperature display Temp control with CO2 measurement system 15 liters capacity and stackable racks User friendly Periodic parts maintenance 5-year parts warrant				6					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
44	0044	Biological safety cabinet Stainless steel chamber HEPA filters Digital control screen Work surface height 75mm, opening 550mm Sound and flash alarm User friendly Periodic parts maintenance 5-year parts warranty				2					-							
45	0045	Autoclave Vertical autoclave Chamber dimensions 400 by 600mm Width 650mm Depth 900mm Digital display User friendly Periodic parts maintenance 5 year parts warranty				3					-							
46	0046	Media preparation Culture media sterilizer and automated petri dish pourer Touch display in which programs can be created and saved Exchangeable media vessel Integrated compressor for sterile filter support pressure in cooling phase Water level protection Overheating protection Continuous mixing with magnetic stirrer Separate petri dish filler Media autoclave 10-1000 per hour Media dispensing up to 1000 plates/hour Periodic parts maintenance 5-year parts warranty				1					-							
47	0047	Hot plate vortex Heating Plate Ceramic-coated or aluminum, with a maximum temperature often ranging from 200 °C to 300°C Stirring Speed: Typically adjustable, from 0 to 200 to 300 rpm Stirring Capacity: Between 1000mL and 5L. Heating Power Around 80W to 700W				1					-							
48	0048	Vacuum Filtration Machine Max. flow rate : 20 l/min Max. vacuum : -680 mmHg Capacity : 300 ml / 1000 ml Filter diameter : 47 mm / 50 mm Effective filtration area : 13.1 cm ² Hose barb : 5/16 inch (8 mm)				1					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R	
49	0049	Cryotome Cryochamber temperature = 0 oC down to -35 oC Section thickness range = 0.5 - 11 µm Trim thickness range = 0.5 – 750 µm Horizontal advance = 28 mm Vertical stroke = 58 mm Sectioning speed = 3 – 300 mm/s, selectable Specimen retraction = 0 - 200 µm, selectable Electrical orientation = x/y axis 8o, rotation 360o Electrical parameters = 115V , 60Hz I 230V , 50/60Hz Dimensions (w x d x h) = 750 x 760 x 1100 mm Weight w/o accessories = 154 kg – 200 kg Large anti-roll plate / Low profile blade holder Intuitive control / Automatic defrost 24 Freezing positions / 2 quick freezing positions Debris extraction system UV-C disinfection / Object cooling Accessories complete with standard and operation accessories				1						-							
50	0050	Immunelectrophoresis system Power supply Operating voltage: 230Vac. +/-10% Output voltage range: 35-220 Vdc Max output current: 400 mA Max output power: 88 Watt Min resistor load: 88 ohm Setup resolution: 1 V Time setting range: 1 – 60min Ambient temperature: 0 - 40 OC Relative humidity: 0 - 90% Dimensions (WxDxH): 26.1x22x9 cm Weight: 4 Kg Gel dryer Operating temperature: 80-85 OC Operating voltage: 12Vac. +/- 10% Resistor power: 100 Watt Drying Surface: 12X15 cm Dimensions (WxDxH): 26.1x22x9 cm Weight: 3.155 kg Electrophoresis tank Number of gels: 1x 76X101 mm Gel size: 1x 76X101 mm Typical running conditions: 25-220 constant volts,400mA,70W maximum Total buffer required: 50 ml (25 ml in each cell) Dimension: 13.5X8.5X5.5 cm				1						-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
51	0051	Benchtop test tube centrifuge swing bucket Benchtop, microprocessor-controlled centrifuge with swing bucket rotor. Capacity: 30–100 tubes (depending on rotor configuration). Speed range: 200–14,000 rpm. Maximum RCF: Up to 20,913 × g or better. Swing bucket rotor speed: Minimum 5,000 rpm. Timer: 1–99 minutes with 1-minute increments. Digital display for speed, RCF, time, and operating status. Automatic lid lock, imbalance detection, and overspeed protection. Brushless maintenance-free motor with low noise. Operates on 220–240 V, 50/60 Hz. Complete with swing bucket rotor, buckets, tube adapters, and accessories.				9					-							
52	0052	Bench-top microcentrifuge with fixed-angle rotor Rotor capacity: 12–24 × 1.5/2.0 mL microcentrifuge tubes. Maximum speed: 14,500 rpm or better. Maximum RCF: ≥16,000 × g. Digital LCD display for speed, RCF, and time. Timer with programmable run time and short spin (pulse) function. Automatic lid lock with automatic lid opening at the end of the run. Brushless, maintenance-free motor with low-noise operation. Imbalance detection and overspeed protection. Operates on 220–240 V, 50/60 Hz. Complete with rotor and accessories. Minimum 2-year comprehensive warranty.				9					-							
53	0053	Cold centrifuge High-Speed Capability: Up to 5500RPM and 6800xg Advanced Rotor Design: High-capacity rotors with automatic rotor recognition Real time display of run parameters: speed, time RCF and temperature Automatic Detection Imbalance: Automatic detection of imbalance and shut off Advanced Temperature Control: Precise temperature control and automatic refrigeration mode Multiple Safety Interlocks: Multiple safety interlocks to prevent lid opening during operation Automatic Lid Lock: Automatic lid lock during operation Protection against over speed conditions Temperature Monitoring: Continuous temperature monitoring and alarm system Intuitive touch screen interface for easy operation and monitoring Ability to log and store run data for future reference Ability to connect to laboratory networks for data transfer and remote monitoring Automatic software updates for improved performance and features Periodic parts maintenance 5-year parts warranty				1					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
54	0054	Bench top Centrifuge Maximum Speed 13,500 RPM Maximum g-Force 20,412 xg Acceleration 10 profiles Deceleration 10 profiles Timed Run To 99 hrs 59 mins or Continuous run (hold) Max Capacity Volume Range 3 L Refrigeration System R452A Temperature Control -10° to 40° °C Drive Type Cooling Brushless Induction Temperature Range(s) From -10°C to +40°C Rotor ID Yes Zonal Capability FALSE Pollution Degree 2 Display Backlit LCD Material(s) Sheet Steel Finish Urethane Paint Weight 110 kg Width 60.5 cm Depth 63.5 cm Height 39.0 cm Clearances 30 cm Humidity Restrictions 75% (non-condensing)				2					-							
55	0055	Centrifuge Specifications Max. RCF 3000 × g Max. RCF with fixed-angle rotor 1900 × g Max. RCF with swing-bucket rotor 3052 × g Speed 100 – 4,400 rpm (100 rpm steps) Product type Centrifuges Rotors available 6 Max. capacity 4 × 100 mL Acceleration time1) ≤19 s Deceleration time1) ≤19 s Timer 0 – 99 min, with continuous run function SOFT brake function yes Noise level <52 dB(A) with Rotor A-4-38 Power supply 120 V, 60 Hz Max. power consumption 200 W Dimensions (W × D × H) 32 × 40 × 24 cm / 12.6 × 15.6 × 9.6 in Product weight 19 kg / 41.9 lb Height (with open lid) 53 cm / 20.7 in Cooling non-refrigerated Temperature range – Max. capacity Conical tubes 20 × 15 mL/ 4 × 50 mL				2					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R	
56	0056	Centrifuge Specifications Max. RCF 21300 × g Max. RCF with fixed-angle rotor 21300 × g Max. RCF with swing-bucket rotor 3217 × g Speed 100 – 15,060 rpm Product type Centrifuges Rotors available 6 Max. capacity 10 × 5.0 mL Acceleration time1) 15 s Deceleration time1) 15 s Timer 10 s to 9:59 h, with continuous run function SOFT brake function 10 ramps Noise level average of 45 dB(A) in the first 12 minutes and < 51 dB(A) thereafter with Rotor FA-24x2 Power supply 120 V, 50 – 60 Hz Max. power consumption 280 W Dimensions (W × D × H) 24 × 39 × 24 cm / 9.5 × 15.4 × 9.5 in Product weight 15.6 kg / 34.4 lb Height (with open lid) 48 cm / 18.8 in Cooling refrigerated				3						-							
57	0057	Centrifuge with plate rotor Max. RCF 20913 × g Max. RCF with fixed-angle rotor 20913 × g Max. RCF with swing-bucket rotor 4500 × g Max. RCF with plate rotor 2250 × g Speed 200 – 14,000 rpm (10 rpm steps) Timer 1 min to 99 min, with continuous run function, short-spin Power supply 230 V, 50 – 60 Hz Cooling refrigerated Temperature range -9 °C to 40 °C FDA/EU approved Karachi based service backup Post installation Service availability of qualified engineer Instrument Maintenance and 2 year service warranty with parts				1						-							
58	0058	Weigh machine Support Display Resolution SD Series - Weighing Scale Simple Counting Function Energy-Saving Function External Digital-Calibration Low power & Charging status Indication Dimension: Scale: 284 x 384 x 100 mm (WxDxH) Platter: 273 x 212 mm (WxD) Specifications: Model Stainless Steel Platter Power Source: DC: 4Ah/6V Rechargeable battery or Dry Battery AC: 110V or 220V ± 10%, 50/60Hz. Automatic power-off : 1 minute Calibration function; Tare (zero) feature Low power indicator : LO_ Over load indicator : O_Ld Power : AAA x 2, 1.5v battery Temperature limits : 0-40° C (32-104°F) Scale size : 150 x 150 x 25 mm. Platform size : 130 x 100 mm Scale Net weight: 200g				10						-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
59	0059	Near-Infrared (NIR) Vein Detector Portable, non-contact Near-Infrared (NIR) vein visualization system for assisting venipuncture, IV cannulation, and blood collection. Real-time projection of superficial vein patterns directly onto the skin with high-contrast imaging. Suitable for adult, pediatric, geriatric, obese, and difficult venous access (DIVA) patients. Vein visualization depth up to 8–10 mm with adjustable brightness, image size, and multiple display colors/modes. Lightweight handheld or portable design with rechargeable battery providing minimum 3 hours continuous operation; AC power compatible (100–240 V, 50/60 Hz). Safe optical technology with no ionizing radiation; compliant with IEC 60601-1 & IEC 60601-1-2, and CE and/or US FDA approved, manufactured under ISO 13485 quality standards. Supplied complete with rechargeable battery, charger, AC adapter, carrying case, user manual, and all accessories required for operation. Minimum 2-year comprehensive warranty, installation, commissioning, on-site user training, preventive maintenance during warranty, and availability of spare parts for at least 7 years. Bidder shall provide product literature, compliance statement, CE/FDA and ISO certificates, manufacturer's authorization, and details of local service support.				5					-							
60	0060	Water Bath with shaker Temperature range: Ambient +5°C to 100°C. Temperature stability: ±1.0°C or better. Capacity: 15 liters. Microprocessor-controlled with digital temperature display. Stainless steel chamber with corrosion-resistant exterior. Uniform temperature distribution. Over-temperature protection and low water level safety cut-off. Hinged lid with openings for test tubes (preferred). Operates on 220–240 V, 50 Hz. Complete with power cord, user manual, and accessories. Minimum 2-year comprehensive warranty.				3					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
61	0061	Spectrophotometer Measurement Technology: Microvolume UV-Visible spectrophotometer with pedestal-based technology requiring no cuvettes or capillaries. Sample Volume: Capable of measuring sample volumes between 1–2 µL without dilution. Wavelength Range: 190–850 nm for nucleic acid, protein, and UV-Vis absorbance measurements. Optical Path Length: Automatically adjustable optical path lengths (e.g., 0.03 mm to 1.0 mm) for accurate measurement across a broad concentration range. Light Source: Long-life xenon flash lamp or equivalent maintenance-free light source. Detector: High-resolution CCD/CMOS array detector or equivalent for rapid full-spectrum acquisition. Spectral Resolution: ≤2 nm for accurate spectral analysis. Measurement Time: Complete spectral scan within 5–10 seconds. Absorbance Range: Wide dynamic range (approximately 0.02–300 A, equivalent using variable path length technology). Concentration Range: Suitable for measuring dsDNA concentrations from approximately 2 ng/µL to 27,500 ng/µL without dilution. Sample Retention System: Hydrophobic, corrosion-resistant measurement pedestals for easy sample loading and cleaning. Measurement Modes: Pre-installed applications for DNA, RNA, ssDNA, oligonucleotides, proteins (A280, BCA, Bradford, Lowry), labeled proteins, microbial cell density (OD600), and custom methods.				1					-							
62	0062	Freezer for sample storage Upright Verticle Laboratory Freezer for long-term storage of biological samples. Capacity: 400–490 liters. Temperature range: -20°C to -40°C or better, adjustable. Microprocessor-controlled temperature with digital temperature display. Forced air cooling system with rapid temperature recovery. Audible and visual alarms for high/low temperature, power failure, door open, and sensor malfunction. Lockable insulated door with magnetic gasket. Adjustable stainless steel shelves and/or storage baskets. CFC/HCFE-free, energy-efficient refrigeration system. Automatic defrost or manual defrost (as applicable) with frost control. Interior LED lighting. Castor wheels with locking mechanism for easy movement. Operates on 220–240 V, 50 Hz power supply. Supplied complete with temperature monitoring probe, storage baskets/shelves, user manual, and online UPS (if required). CE-IVD/CE certified (where applicable) and manufacturer ISO 13485/ISO 9001 certified. Minimum 2-year comprehensive warranty with installation and user training.				8					-							

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A	B	C	D	E	F	G	H	I		J	K	L	M	N	O	P	Q	R
63	0063	Refrigerator for reagent laboratory Refrigerator suitable for storage of reagents, calibrators, controls, test kits, and biological samples. Capacity: Minimum 350–450 liters (or as required). Temperature range: +2°C to +8°C, microprocessor-controlled with precision temperature control. Digital temperature display with continuous temperature monitoring. Forced air circulation for uniform temperature distribution. Audible and visual alarms for high/low temperature, power failure, door open, and sensor malfunction. Lockable solid or glass door with magnetic gasket. Adjustable stainless steel or coated wire shelves. Interior LED lighting. Automatic defrost with condensate evaporation. CFC/HCFC-free, energy-efficient refrigeration system. Castor wheels with locking mechanism. Operates on 220–240 V, 50 Hz power supply. Temperature data logging and external temperature probe port (preferred). Supplied complete with user manual and all standard accessories. CE certified and manufacturer ISO 13485/ISO 9001 certified. Minimum 2-year comprehensive warranty, including installation, commissioning, and user training.				12					-					-		
											-					-		

INSTRUCTIONS

Following Content should not be altered:

- A Serial No.
 B Item Code
 C Item Description
 G Required Quantity.
 H Insert Unit of measurement

Following Content should be inserted as described:

- D Insert Company Name, which should be according to tax registration record.
 E Insert Brand Name of Item
 F Insert Name of Manufacturer.
 I Insert Pack size of Item i.e. 1 / 10 / 12 (Number of item in each pack).
 J Insert Rate in Pak Rupees, single unit only.
 K Sheet will calculate by itself.
 L Insert C&F Rate , single unit only.
 M Insert Currency of FCY (e.g. USD, CHF, EURO, JPY, SGD, etc)
 N Insert Conversion Rate (Exchange rate should be of 7 working day prior to the opening date of Bid).
 O Sheet will calculate by itself.
 P Sheet will calculate by itself.
 Q Insert Delivery Schedule
 R Insert Remarks if any

- i) In case of alternate item kindly write required details at the end of the last columns in the same row and don't change the Item Code mentioned in Tender Specification.
 ii) Data should be input in Text and number formate only.
 iii) No cell should be merged.

Note : - Data must be filled in all columns except A, B ,C, G, H, K, O & P. please do not create your own file rather fill this sheet as provided by SIUT