

KHAIRPUR MEDICAL COLLEGE

KHAIRPUR MIRS SINDH, PAKISTAN



BIDDING DOCUMENT

PROCUREMENT OF

CHEMICALS, SKILL LAB SIMULATORS AND THERMAL CYCLER

NIT reference. INF/KRY.No.855/2023,

Dated: 07/03/2023

Station Road, Khairpur Mir's Ph: 0243-920460 – 920452

Email: info@khprkmc.edu.pk website: www.khprkmc.edu.pk

DOCUMENT CHECKLIST

Please review the following list of all possible documents to be enclosed with the Technical Proposal.

SNo	Evaluation Criteria	Yes	No	Page
1.	Tender Purchase Receipt (Original)			
2.	Bid Security (Copy with value hidden in Technical Proposal; Original in Financial			
3.	Bidding Documents (Duly filled, Signed & Stamped by Bidder)			
4.	Technical Proposal on Bidder's Letterhead			
5.	Compliance sheet on letter head			
6.	Undertaking (as per sample form)			
7.	Certificate (as per sample form)			
8.	Income Tax & GST Registration Certificate			
9.	Professional Tax Certificate (Sindh)			
10.	SECP Incorporation Certificate (where applicable)			
11.	PNRA Registration Certificate (where applicable)			
12.	PEC Registration Certificate (where applicable)			
13.	DRAP license showing importer of medical devices or proof of on-going process for registration. Where applicable			
14.	Company Profile			
15.	Bank Account Maintenance Certificate			
16.	Income Tax Returns (last 3 years)			
17.	Audited Financial Statement (last 3year)			
18.	Workshop for After Sales Services			
19.	Technical Team Details (Workshop details & Technical Staff Bio- data with Training Certificates)			
20.	Manufacturer's Authorization (as per sample form)			
21.	Catalogue / Brochures (original)			
22.	Product Technical Data Sheet			
23.	ISO 9001 (where applicable)			
24.	ISO 13485 (where applicable)			
25.	ISO 14001 (where applicable)			
26.	CE/ FDA / JIS / MHLW (where applicable)			

Note:

Mandatory documents are mentioned in 'Instructions to Bidders' pages of the bid, except for un-amended printed literature, shall be initialed by the Bidder

TABLE OF CONTENT

S. No.	DESCRIPTION	PAGE
1.	Instruction to Bidders	4-6
2.	Salient Feature / Terms & Conditions	7-11
3.	Terms and Conditions of Tender	12-15
4.	Technical Evaluation Criteria	16-17
5.	Financial Evaluation and Scoring System for Bids	19-20
6.	Technical Specifications	21-46
7.	Bid Letter Form	47
8.	Manufacturer Authorization Form	48
9.	Contract Agreement Form	49
10.	Form of Performance Security	50-51
11.	Integrity Pact	52
12.	Bid Form & Price Schedule	53
13.	Price schedule in foreign currency	54-55

INSTRUCTIONS TO BIDDERS,

Office of the Principal, Khairpur Medical College ---- invites sealed bids

on single stage two envelope basis as per Sindh Public Procurement Rules, 2010

(Amended 2019) from Manufacturers within the Pakistan and abroad, and their Authorized

Agent / Importers/ Bidders / Distributor / Contractors for the **Supply of : Chemicals, Skill**

Lab Simulators and Thermal Cycler

1. Bidders are required to check that Tender Documents issued to them are complete in all respects as per Summary of contents related to instructions to Bidders, Salient Features, Evaluation Criteria, Form of Tender, Form of Agreement, Specifications (Technical), Scope of Work, Drawings etc.
2. The rates to be inserted in the Bill of Quantity shall be deemed to include all costs of whatsoever description and expenses necessary for the Supply, Installation, Testing, Commissioning and Maintenance of the Equipment / Instrument, Laboratory Items, I.T and Related System together with all risks, taxes, liabilities and obligations, specific or implied, in the Tender Documents. Arithmetical errors, if any shall be corrected and Tender price amended accordingly
3. The original bid shall be typed or written in indelible ink by the bidder or person duly authorized. The person or persons signing the bid shall initial all pages of the bid. The name and designation of each person signing must be mentioned below the signature
4. 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 clarification to the bids that do not change substances of the bids.
5. No unauthorized alteration may be made in the Tender documents. If any such alteration is made, tender may be liable for rejection.
6. The vendor has to quote only one rate for each item/work as per tender specifications. Hand written tenders or any over writing, cutting, should be signed.
7. The Procuring Agency may reject all bids or proposal at any time prior to the acceptance of a bid or proposal. The Procuring Agency upon request communicate to any supplier or contractor who submitted a bid or proposal, the grounds for its rejection of all bids or proposal, but is not required to justify those grounds.

8. Any clarification, revision, addition or deletion, in the Tender documents may be made by the Procuring Agency before the submission and opening of Tender in the form of Addendum / Corrigendum. This will be made only by formal Addendum / Corrigendum issued by the Procuring Agency and will become part of the Contract Documents. Each addendum shall be signed by the Tenderer and returned with other Tender documents.
9. The entire Tender Documents, listed duly priced, signed & stamped on each page and completed must reach at designated place in due time and dates as defined in the Bidding Data of the Tender.
10. The contractors whose Tender is accepted, by the Procurement Committee, will be required to enter in to a Contract Agreement as defined in the Form of Agreement.
11. The contract resulting from this invitation shall be governed by the **Sindh Public Procurement Rules, 2010 (Amended 2019)**.
12. All manufactured and other items should be used in the work in accordance with the instructions, specification in the Tender Document and also in accordance with generally accepted norms of good workmanship.
13. The Tender documents referred to above constitute a part of this Tender and comprise of the following documents:
 - a) Salient Features / Terms & Condition of the Tender Questionnaire /Proforma.
 - b) Evaluation Criteria.
 - c) Form of Agreement.
 - d) Scope of work / Bill of Quantities / Specification (Technical).
 - e) The Addendum (if any).
 - f) The Drawings (if any).
14. Bidding Procedure: Single Stage - Two Envelope Procedure
 - a) Bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
 - b) Envelopes shall be marked as —FINANCIAL PROPOSAL and TECHNICAL PROPOSAL in bold and legible letters to avoid confusion;
 - c) Initially, only the envelope marked —TECHNICAL PROPOSAL shall be opened;
 - d) Envelope marked as —FINANCIAL PROPOSAL shall be retained in the custody of the procuring agency without being opened;
 - e) Procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;
 - f) No amendments in the technical proposal shall be permitted during the technical evaluation;

- g) Financial proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
 - h) Financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders; and
 - i) Bid found to be the lowest evaluated or best evaluated bid shall be accepted.
15. In case of discrepancies between the Invitation for Bids (IFB) / Tender Notice and the Bidding Documents, the Bidding Documents shall take precedence.
16. The bidders are expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish complete information required in the bidding documents or to submit a bid not substantially responsive to the bidding documents may result in rejection.

SALIENT FEATURES / TERMS & CONDITION OF THE TENDER

1.	Name of Work & Address	Supply, Installation, Testing & Commissioning of Machinery & Equipment and Furniture & Fixture
2.	Time & Date of issue of Tenders	From Date of Publishing to 07- 03-2023 till
3.	Place of Issuance of Tender	Office of The Principal Khairpur Medical College, Station Road Khairpur Mir's Sindh
5.	Method of opening of Tender	Single Stage – Two Envelope; as per SPPRA-Rules 2010 (Amended 2019).
6.	Date of Purchasing Tender Documents	24-03-2023 on 3:00 PM
7.	Date & Time of Submission of Tenders	25 - 03 -2023 on or before 11:00 AM.
8.	Date & Time of Opening of Tenders / Technical Proposals	25 - 03 -2023 at 11.30 AM.
9.	Date of Opening of Financial Proposals	As informed by the Chairman of Procurement Committee to all participants
10.	Venue of submission & opening of Tenders	The Principal Khairpur Medical College, Station Road Khairpur Mir's Sindh
11.	Validity of Tenders	90 days as per Sindh Public Procurement Rules, 2010 (Amended 2019).

12.	Amount of Earnest Money/Bid Security	5% of the Contract value total quoted amount in shape of Pay Order / Call Deposit from schedule Bank in favor of Principal, Khairpur Medical College to be submitted along with Financial Proposal and also attached copy without showing amount of that pay order else the offer will be rejected. (See Column 18 also)
13.	Supply of Chemicals, Skill Lab Simulators and Thermal Cyclers	Within three months after the opening of LC or Purchase order in case of DDP. However, this period is extendable as per mutual agreement/demand of the situation.
14.	Installation Period	It will start after satisfactory receiving & installation of (where applicable)
15.	Maintenance Period	It will start after the satisfactory installation of the <u>Chemicals, Skill Lab Simulators and Thermal Cyclers</u> and issuance of Installation Certificate from the concerned official. This period will remain functional till two years with replacement of parts. For Transport, it will start from the day of delivery and will be functional as per company policy
16.	Warranty Period with replacement of Parts and services	The warranty period of parts with Free of cost replacement will be for two years. Along with two years free service& maintenance from the date of Installation or delivery items of <u>Chemicals, Skill Lab Simulators and Thermal Cyclers</u> . For Transport as per company policy.
17.	(a) Contract Agreement Stamp Paper requirement for Agreement	The Contractor shall enter & execute a formal Agreement as per the “Form” annexed with such modification as may be necessary. - Rs. 0.35% of the Contract Value or as prescribed by Government Laws.

	(b) Opening of L.C (Letter of Credit)	Not Applicable as the Bids are invited in Pak Rupees.
17.	Release of Earnest Money/Bid Security	<p>To un-successful bidders, after financial bid is opened or technical bid is rejected.</p> <p>Upon submission of 5% Security Deposit & Release of Purchase Order to Successful Bidder, the Earnest Money will be released.</p>
18.	Security Deposit	<p>5% Security Deposit in the shape Pay Order/Bank Guaranty will be submitted by Bidder with Procuring Agency which will be released as per item 20. Bank Guarantee of equal amount will also be acceptable.</p> <p>Security Deposit is deposited as per item – 19.</p>
19.	Release of Security Deposit	After completion of installation and maintenance of Defect Liability period.
20.	Variation in Contract Price	No variation in price shall be allowed on any ground including currency fluctuation/variation or whatsoever.
21.	Discrepancy	If there is any discrepancy between Salient Features of Tender/Bidding Documents and respective contents mentioned elsewhere, Salient Features / Terms & Conditions and Additional Terms & Conditions of Tender will govern.
22.	Taxes	All taxes will be deducted as per prevalent laws of Country.

23.	Approved makes	As mentioned in items specifications.
24.	Special Note Chemicals, Skill Lab Simulators and Thermal Cyclers	<p>Technical offers / Commercial offers failing to demonstrate below details would be rejected:</p> <ul style="list-style-type: none"> a. Quoted system must be of advanced & latest version. b. Tender must cover complete Chemicals, Skill Lab Simulators and Thermal Cyclers. c. Tender must cover complete range of available Transport mentioned in specification d. Tender must provide all technical details up to the satisfaction of the end user. e. Items should be quality approved from the concerned international body of the respective industry.
25.	(a) Inspection of Imported equipment manufacturing site by the client.	After the award of Purchase Order, Supplier shall take two persons to the manufacturing site and bear all expenses of visit in case the cost any equipment of Supply Order is 50 million or above.
	(b) Training	Supplier will provide on-site successful training to all the personnel working on/operating the said Chemicals, Skill Lab Simulators and Thermal Cyclers as long as the need prevail.
26.	Maintenance.	Maintenance cost for all items for Two years from the date of successful Installation shall be undertaken by the Bidder (Maintenance includes all Parts & Labor, etc. with sufficient staff, during maintenance period).
27.	Default in Preventive Maintenance, Breakdown and Emergency Calls.	<ul style="list-style-type: none"> • In case of default by the Bidder with respect to maintenance, break down and emergency calls, the same will be carried out within 24 hours by the Procuring Agency and the cost so incurred will be paid from the Retention Money. • Moreover an additional 10% of the amount spent would be charged from the concerned contractor being defaulter.

28.	Tax Exemption.	In case of items purchased from abroad, the required certificate will be issued by this office that the import has been made from abroad, so as to avail the facility of exemption of duties/taxes, as per Government Rules/Policy according to the Sindh Public Procurement Rules, 2010 (Amended 2019). Clearance from the custom and other charges will be the responsibility of bidder.
29.	Criteria for bid evaluation.	<p><u>Merit Point Evaluation</u> (Highest ranking Bid)</p> <p>The items ranked highest in merit points (obtained through and based on technical and financial evaluation) will get unit rate central contract shall be considered as most advantageous bid.</p>

TERMS & CONDITIONS OF TENDER

Note: No tender will be accepted after closing of the Tender box, whatsoever reason may be.

1. The Bidder responsible for **Supply, Installation, Testing and Commissioning of Chemicals, Skill Lab Simulators and Thermal Cyclers**. Items along with all accessories will also repair all the damages done to the building at no extra-cost. So, the Bidder should take into account all such expenditures while quoting the bid.
2. **In Technical Bid**, the bidder must provide original data sheet, technical brochure, and all other relevant documents, along with copy of Pay Order / Bank Draft without showing the amount figure otherwise, the bid will be ignored/rejected. The technical evaluation will be done on the basis of criteria given in tender document.
3. The vendor has to fill up **compliance sheet** with YES/NO or put value as desired in the column against provided specification. These specifications must be highlighted in the brochure attached; else the offer will be rejected.
4. The bidder is required to provide original catalogue / Brochure ,sketches, drawings, photographs and sample of Models along with the technicalbid at the time of submission of tender. Without which tender will be rejected.
5. Date of Expiry for chemicals, Kits and strips should be minimum one year after delivery.
6. **In Financial Bid**, the Bidder should mention financial offer along with Pay Order / Bank Draft 5% value of quoted items in favor of, **Principal, Khairpur Medical College, Khairpur Mir's**. Bidder will bear all the expenses such as bank charges, custom duty, freight charges etc. The required certificate will be issued by the authority that the import has been made for Medical College, so as to avail the facility of exemption of duties / taxes, as per Government Rules / Policy according to the SPPRA-2010 (Amended 2019).
7. The disclosure of firm's price at the time of opening of Technical bid will result in the rejection of the bid.
8. No tender will be entertained without earnest money. The earnest money will be forfeited in case of non-submission of security deposit within **seven (7) days** of receipt of the offer letter.
9. Only Manufacturer, its Sole Agent or Authorized Distributors can quote **Chemicals, Skill Lab Simulators and Thermal Cyclers** /. No sub-distributor is allowed to quote.
10. **For Single Stage Two Envelope Sections of the tender**, first scrutiny of Technical Bids will be performed by the Procurement Committee. Financial Bids of only those firms will be opened who are qualified technically.
11. Certificate from the Sole Agent / Manufacturer has fully equipped Workshop Trained Personnel/ Engineers and Equipment should be provided in the technical bid and it can be physically verified by the administration of Khairpur Medical College, The warranty period will commence from the date of

installation or delivery items of the **Chemicals, Skill Lab Simulators and Thermal Cycler** at Office of **The Principal Khairpur Medical College, Station Road Khairpur Mir's Sindh.**

12. For **Chemicals, Skill Lab Simulators and Thermal Cycler**, the Firm(s) must provide complete details of their financial standing, listing of similar items supplied in Pakistan, available local stock of items and details of office with number of personnel.
13. The vendor has to quote only one rate for each item as per tender specifications. Hand written tenders or any over writing, cutting, should be signed.
14. Vendors should quote the items they intend to supply.
15. The bidder shall submit with the bid, an **Undertaking** on Non-Judicial stamp paper of Rs. 50/- duly attested by Oath Commissioner, stating that the medical equipment will be supplied brand new, free from defects as per the approved specification, also provide two years warranty for service and maintenance and will bind himself for availability of spares for a period of **05 years** from the date of supply. In case of winding up of his business, the supplier will be bound to make an alternate arrangement of spares and maintenance of **Chemicals, Skill Lab Simulators and Thermal Cycler.** In case of default, depreciated cost of **Chemicals, Skill Lab Simulators and Thermal Cycler** will be recoverable from Bidder.
16. If it has been found that the information submitted by the bidder regarding his qualification and professional, technical, financial, legal or managerial competence as supplier / contractor is / was false and materially inaccurate or incomplete at any stage, then the bidder will be disqualified.
17. Suppliers / Bidder will be responsible for supply at consignee end, free of cost and also responsible for free installation work, if required.
18. **Chemicals, Skill Lab Simulators and Thermal Cycler** will be handed over to the Administrator / **Store Officer** of **Khairpur Medical College**. Price escalation will not be allowed.
19. If Bidder doesn't supply **Chemicals, Skill Lab Simulators and Thermal Cycler** in accordance with the supply order or fails to supply according to terms and conditions or in case of any other default, the Performance Security and Security Deposit would be forfeited and further action as per SPPRA rule would be taken against such Bidder.
20. If the supplier fails to give supply and install within the stipulated period, Liquidated charges will be imposed.
21. The decision once taken will be final and will not be challenged in any Court of Law.
22. A copy of Income Tax and GST Registration Certificate should be attached along with Technical Bid.
23. The bidding firm must be registered with SECP (Securities & Exchange Commission of Pakistan) for minimum past three years.
24. The bidder shall furnish copy of ATL (Active Tax Payer List certificate).
25. Copy of valid Professional Tax (Excise & Taxation) Certificate, Income Tax Certificate and GST Registration Certificate should be attached with the technical bid.
26. The bidder shall furnish three years Income Tax Return Certificate.

27. Conditional Tender(s) against the Government rules and non-compliance of instructions mentioned in Tender Form & Hand written tender(s) will not be entertained.
28. The Bidder should submit a **Data Sheet** according to the Tender Specifications Form as mentioned in the tender and highlight the tender specifications in their Technical Data Sheet. Additional Features can be mentioned separately.
29. In case the information provided by bidder in Data Sheet as per **Clause No. 30** is incomplete or incorrect, the quoted item will be liable for rejection.
30. Supplier must have to provide Manual book with circuit diagram where applicable.
31. Supplier must have to arrange training on site for concerned technical staff for the supply of **Chemicals, Skill Lab Simulators and Thermal Cycler.**
32. Central Procurement Committee, Health Department, Govt. of Sindh reserves the right to reject or accept any / all tender(s) as per SPPR-2010 (Amended 2019).
33. The system will have the minimum uptime 95% in case of down time beyond this period the following penalty will be applied:
- a) 95% to 100% No penalty.
 - b) 90% to 95% the warranty period will be extended by the number of days system is down.
 - c) 85% to 90% warranty period will be extended 1.5 times the down time period
 - d) 80% to 85% warranty period will be extended two times for the down time period and supplier is supposed to give justification of delay.
 - e) Uptime less than 80% hospital will complain to the Principal to take action against the supplier and warranty will be three times for the down time period.
 - f) However, PPM (Periodic Preventive Maintenance) will not be considered in the down time and PPM of the system will be done as per manufacturer recommendation.
34. The Bidder shall submit Bill/Invoice for the purchase order value after delivery, installation and issuance of satisfactory report by the end user.
35. Bids shall remain valid for **90 days** after the date of bid opening and same may be extended in terms of Rule 38 (2) (3) (4) of SPPRA Rules.
36. Bid should be inclusive of all Government taxes (if applicable) and the same will be paid by the Contractor except withholding tax and 0.35% Stamp Duty which will be deducted at source in office of the Accountant General Sindh Karachi.
37. 20% of the due Sindh Sales Tax (if applicable) will be deducted from the bill of the Contractors / Suppliers while remaining 80% will be deposited by the Bidder / Suppliers themselves.
38. The bid security will be forfeited to the Government, if the bidder withdraws his bid after opening and before the expiry of the bid validity period or fails to sign the contract in stipulated time if the bid is accepted.

39. The Procuring Agency may reject all or any bid at any time prior to the acceptance of a bid or proposals, subject to the relevant provision of SPP Rules, 2010 (Amended 2019). Payment will be made within four weeks after receipt of bill / invoice duly fills in all respects.

40. Prices quoted shall remain valid up to **One Year**.

41. Bids submitted late due to any reason what so ever, shall not be considered and returned unopened to the bidder or his authorized representative.

42. Registration from Sindh Revenue Board is not required in procurement of Goods.

I / We agree to above mentioned terms & conditions:

Name of Contractor _____ Signature _____

(CNIC NO _____ (Copy must be attached).)

Full Address _____

Rubber Stamp _____

Technical Evaluation Criteria
Chemicals, Skill Lab Simulators and Thermal Cyclers
Check List (Mandatory Documents)

If any bidder failed to submit any of the following documents, the same shall be disqualified.

Sr. No.	DOCUMENT DESCRIPTION	YES / NO	PAGE #
1	Tender Purchase Receipt (Original)/Pay order		
2	Bid Security (5%) Copy with value hidden in Technical Proposal; Original in Financial		
3	Technical Proposal on Bidder's Letterhead		
4	Compliance sheet on letter head		
5	Undertaking (as per sample form)		
6	Income Tax & GST Registration Certificate		
7	Valid Professional Tax Certificate		
10	FBR Income Tax Returns (last 3 years)		
11	Audited Financial Statement (last 3year)		
12	Factory / Workshop Details (duly equipped)		
13	Valid Authorization Letter from Manufacturer in reference to this particular tender.		
14	Catalogue / Brochures / Drawing		
15	Sample of Models and manikins with Technical Proposal		
16	ISO 9001 of Bidders / Manufacturer (where applicable) (website link must be provided for verification)		

Note:

- All pages of the bid, except for un-amended printed literature, shall be initialed by the Bidder.
- Documents must be submitted in binding, with filled Table of Content, Page Numbering and tagging wherever required.

Technical Evaluation Criteria
Chemicals, Skill Lab Simulators and Thermal Cyclers
Maximum Allocable Marks Score 70 to Qualify

Note:

Financial proposal must be submitted on company letter head duly signed and stamped. Bidder is required to type their offer in figure and as well as in words of the total amount else the offer would be rejected.

EVALUATION / QUALIFICATION

1.1 The procuring agency reserves the right to evaluate and compare the bids on itemized basis OR on the basis of a group of similar nature goods OR goods compatible with each other.

1.2 The following merit point system for weighing evaluation factors/criteria will be applied for technical proposals.

1.3 Bidders achieving minimum **70 marks** will be considered only for further process. Documentary evidence must be attached in support of each parameter.

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
1	Conformity to the Purchaser's Specifications / Sample Examination	35
1.1	Fully compliance with the required specifications / Sample	35
1.2	Compliant with minor deviation (up to 10% subject to main function is not affected)	20
1.3	Non-compliance or above 5% deviation from the statement of required specifications	Disqualify
2	Last three Years' Experience of five Public Sector Tertiary Care Hospitals (2 Marks of each)	10
3	Last three Years' Experience of five Private Sector Tertiary Care Hospitals (2 Marks of each)	10
4	Average Annual Turnover during last three (03) financial years Duly verified from FBR Tax Returns	10
4.1	More than 500.000 (M)	10
4.2	More than 200.000 (M) to 500.00 (M)	08
4.3	More than 100.000 (M) to 200.00 (M)	06
4.4	More than 100.000 (M) to 50.00 (M)	04
5	Financial Worth of each year average for continuous last three years (Assets Minus Liabilities in FBR Returns)	10
5.1	200.000 (M) and above	10
5.2	150.000 (M) to below 200.00 (M)	08
5.3	100.00 (M) to below 150.00 (M)	06
5.4	50.00 (M) to below 100.00 (M)	04
6	Manufacturer's Authorization	10
6.1	Itself Manufacturer	10
6.2	Valid Authorization of Manufacturer of goods	08
7	Delivery Schedule at consignees end	10
7.1	Within 20 days	10

7.2	Within 30 days	08
7.3	Within 45 days	06
8	CERTIFICATION.	05
8.1	ISO 9001 of bidders / Manufacturer Link must be provided for verification.	05
	TOTAL MARKS	100

1.4 Any Bid not meeting the mandatory requirements of evaluation criteria will be disqualified / rejected straight away and will not be considered for further evaluation.

Financial Evaluation and Scoring System for Bids **(Maximum Allocable Marks Score 30 marks)**

The financial bids of technically qualified bidders will be opened publicly at the time to be announced by the Procuring Agency and the financial bids found technically non-responsive shall be returned un-opened to the respective Bidders.

Total Allocable marks for Technical Proposal = 100

Total Allocable marks in Financial Proposal = **30**

Total Combined Allocable Score for individual bids = Marks obtained in Technical Evaluation + Marks obtained in Financial Evaluation = **130**

Scoring Methodology:

Contract will be awarded to the most advantageous responsive firm whose product ranks highest in the Combined Evaluation scoring calculated through the Marks awarded to Technical Proposal and Financial Proposal as stated in the Bid Data Sheet of these Standard Bidding Documents.

The Evaluation Methodology is a combination of non-price factors (in Technical Criteria) and price factor (in Financial Criteria); and each having points as elaborated in the evaluation proformas provided in these SBDs.

As evident from allocable score above and because of the importance and complexities/sensitivities in the field of procurement and use of Drugs and other products related to human lives and health, this Methodology puts greater emphasis on non-price factors like high quality of the product derived from excellent-grade raw material, stringent product certifications, international best pharmaceutical quality control practices in laboratories, pharmaco-vigilance systems for Drug safety reporting and monitoring; and the most efficient industrial processes in the manufacturing premises.

Procedure for the Marks Scoring: Marks will be awarded or otherwise for various technical parameters to each quoted product based on the prescribed Technical and Financial criteria. The total combined marks will determine the highest ranking product in each product category for contract award.

The formula to calculate the marks for the price by the bidders:

Financial Evaluation Score of individual quoted Product:

- $[\text{Lowest quoted Price of the item} \div \text{Next higher proposed Price of the competing item}] \times \text{Total allocable financial score}$

Solved Example of Financial Scoring (Medicine):

- If the lowest quoted price of an item is Rs. **86/-**, the same lowest bidder will obtain score as below:
- **$[86 \div 86] \times 30$**
- **30 marks**, being the lowest bidder for the quoted item.
- If the next higher quoted price of the same item is Rs. 105/-, the marks obtained will be:
- **$[86 \div 105] \times 30 = 24.5714$ Marks**
- If the next higher quoted price of the same item is Rs. 130/-, the marks obtained will be:
- **$[86 \div 130] \times 30 = 19.8461$ Marks**
- And so on.

BIDDER'S DETAILS FOR NOTICE PURPOSES

Bidder Name:	
Address:	
Tel No.	
Fax No.	
Contact Person Name:	
Mobile No.	
Email Address:	

CHEMICALS, KITS & SLIDES FOR LABORATORIES

Physiology Department

S.N O	DESCRIPTION OF ITEMS WITH SPECIFICATION	COUNTRY OF ORIGIN	QTY	@RATE	REMARKS
1.	Lancit	Japan / Europe / USA or Equivalent	100 Boxes		
2.	Glass slide	Japan / Europe / USA or Equivalent	100 Boxes		
3.	Alcohol Pads	Japan / Europe / USA or Equivalent	200 Boxes		
4.	Disposable syringe	Japan / Europe / USA or Equivalent	100 Boxes		
5.	Hemoglobin kit	Japan / Europe / USA or Equivalent	50 kit		
6.	Tanic acid (2.5 liters)	Japan / Europe / USA or Equivalent	30 Bottles		
7.	Acetic acid (2.5 liters)	Japan / Europe / USA or Equivalent	30 Bottles		
8.	Glucose liquid UV mono (1000 ml)	Japan / Europe / USA or Equivalent	40 Bottles		
9.	Bile salt solution (500ml)	Japan / Europe / USA or Equivalent	40 Bottles		
10.	Spirit (1000ml)	Japan / Europe / USA or Equivalent	25 bottle		
11.	Hypertonic Acid (1000 ml)	Japan / Europe / USA or Equivalent	30 Bottles		
12.	Hypotonic acid (1000ml)	Japan / Europe / USA or Equivalent	30 Bottles		
13.	Isotonic acid (1000 ml)	Japan / Europe / USA or Equivalent	30 Bottles		
14.	Packed cell tube (P.C.V) tube	Japan / Europe / USA or Equivalent	100 Tubes		
15.	urinary protein (90 ml)	Japan / Europe / USA or Equivalent	30 Bottles		
16.	Urea liquicolor R1 (1000 ml)	Japan / Europe / USA or Equivalent	30 Bottles		
17.	R A Factor (RF) 50 ml	Japan / Europe / USA or Equivalent	30 Bottles		
18.	Uric acid FS (500 ml)	Japan / Europe / USA or Equivalent	30 Bottles		
19.	Uric acid 4+2 (500ml)	Japan / Europe / USA or Equivalent	30 Bottles		
20.	Capalary tubes (plain and hyparnised)	Japan / Europe / USA or Equivalent	1000 tubes		
21.	Hemoglobin pins and reference solution	Japan / Europe / USA or Equivalent	30 Bottles		
22.	Urea liquid UV400 ml	Japan / Europe / USA or Equivalent	30		

			Bottles		
23.	Glucose kit 1000 ml	Japan / Europe / USA or Equivalent	30 Bottles		
24.	Anti - sera Boiline	Japan / Europe / USA or Equivalent	100 set		
25.	wintrobe tubes	Japan / Europe / USA or Equivalent	100 tubes		
26.	Methyleted spirit	Japan / Europe / USA or Equivalent	30 Bottles		
27.	Fliter Paper	Japan / Europe / USA or Equivalent	50 boxes		
28.	Amylase (kidney) 60 ml	Japan / Europe / USA or Equivalent	30 Bottles		
29.	Triglycerides (500ml)	Japan / Europe / USA or Equivalent	30 Bottles		
30.	Lense of Microcope (10*40*100)	Japan / Europe / USA or Equivalent	50 from each		
31.	Eye Piece of Microscope	Japan / Europe / USA or Equivalent	50		
32.	Methinol (2.5 litter)	Japan / Europe / USA or Equivalent	30 Bottles		
33.	Cell Dergant (2.5 litters)	Japan / Europe / USA or Equivalent	30 Bottles		
34.	Buffer solution (1000 ml)	Japan / Europe / USA or Equivalent	30 Bottles		
35.	Urea kit 500 ml (1000 ml)	Japan / Europe / USA or Equivalent	30 Bottles		
36.	Xylene (1000 ml)	Japan / Europe / USA or Equivalent	30 Bottles		
37.	Neubaur chamber	Japan / Europe / USA or Equivalent	50		
38.	Finger plus (Plus oximeter)	Japan / Europe / USA or Equivalent	12		
39.	Pregnancy kit accurate	Japan / Europe / USA or Equivalent	1000 kits		
40.	Uric acid (5+1)	Japan / Europe / USA or Equivalent	35 Bottles		
41.	Uric acid (4+2)	Japan / Europe / USA or Equivalent	35 Bottles		
42.	Glucose meter strip S.TURN	Japan / Europe / USA or Equivalent	100 Box		
43.	Tomos juster	Japan / Europe / USA or Equivalent	20		
44.	P.H solution (2.5 litter)	Japan / Europe / USA or Equivalent	40 Bottles		
45.	L.D.L direct (select) (500 ml)	Japan / Europe / USA or Equivalent	35 Bottles		
46.	Alkaline phosphates	Japan / Europe / USA or Equivalent	35 Bottles		

47.	Lactate PAP Fluid mono	Japan / Europe / USA or Equivalent	35 Bottles		
48.	Turbidimetric (R.F)	Japan / Europe / USA or Equivalent	35 Bottles		
49.	Quik lyee +hb	Japan / Europe / USA or Equivalent	35 Bottles		
50.	Lipase (Colorometer method)	Japan / Europe / USA or Equivalent	35 Bottles		
51.	Amylase	Japan / Europe / USA or Equivalent	35 Bottles		
52.	Surgical Mask	Japan / Europe / USA or Equivalent	100 Packet		
53.	N95 Mask	Japan / Europe / USA or Equivalent	100 Packet		
54.	KN 95 Mask	Japan / Europe / USA or Equivalent	100 Packet		
55.	Hand Gloves Latex	Japan/Malishya or Equivalent	100 Packet		
56.	Hand Gloves Disposable	Japan/Malishya or Equivalent	100 Packet		
57.	Sanitizer 500 ML	Japan / Europe / USA or Equivalent	500 Bottles		
58.	Olive Oil 1000 ML	Japan / Europe / USA or Equivalent	10 Bottles		
59.	Glyco Hemoglobin 1000 ML	Japan / Europe / USA or Equivalent	02 Bottles		
60.	Total protein Liquicolor	Japan / Europe / USA or Equivalent	06 Bottles		
61.	Amylase – EPS (5+1) Fluide	Japan / Europe / USA or Equivalent	06 Bottles		
62.	Lactate Pap Mono Fluide	Japan / Europe / USA or Equivalent	06 Bottles		
63.	LDL Cholestrol Liquicolor 80 ML	Japan / Europe / USA or Equivalent	06 Bottles		
64.	Glucose Liqui UV MONO 1000 ML	Japan / Europe / USA or Equivalent	06 Bottles		

Biochemistry Department

65.	Hemoglobin reagent	Japan / Europe / USA or Equivalent	02 Bottles		
66.	Glucose reagent	Japan / Europe / USA or Equivalent	02 kit		
67.	Cholesterol reagent	Japan / Europe / USA or Equivalent	06 Kits		
68.	Triglycerides reagent	Japan / Europe / USA or Equivalent	05 Kits		
69.	Urea (UV) reagent	Japan / Europe / USA or Equivalent	05 Kits		
70.	Cretnine reagent	Japan / Europe / USA or Equivalent	05 Kits		
71.	Bilirunbin reagent	Japan / Europe / USA or Equivalent	05 Kits		

72.	SGPT (ALT) reagent	Japan / Europe / USA or Equivalent	05 Kits		
73.	Alkaline Phosphates reagent	Japan / Europe / USA or Equivalent	05 Kits		
74.	Total Protein reagent	Japan / Europe / USA or Equivalent	05 Kits		
75.	Albumin reagent	Japan / Europe / USA or Equivalent	05 Kits		
76.	SGOT (AST)	Japan / Europe / USA or Equivalent	01 Kits		
77.	Gamma GT	Japan / Europe / USA or Equivalent	01 Kits		
78.	HB A1C (Capillary2 Seiba)	Japan / Europe / USA or Equivalent	01 Kits		
79.	Glucometer test strips	Japan / Europe / USA or Equivalent	1000 Strips		
80.	Distilled water	Japan / Europe / USA or Equivalent	05 Bottles		
81.	Alpha Napthol	Japan / Europe / USA or Equivalent	03 Bottles		
82.	Fructose	Japan / Europe / USA or Equivalent	02 Bottles		
83.	Copper Sulphate	Japan / Europe / USA or Equivalent	02 Bottles		
84.	Bile	Japan / Europe / USA or Equivalent	02 Bottles		
85.	Olive Oil	Japan / Europe / USA or Equivalent	05 Bottles		
86.	Ether	Japan / Europe / USA or Equivalent	03 Bottles		
87.	Sulphosalicyclic Acid	Japan / Europe / USA or Equivalent	02 Bottles		
88.	Ammonium acetate	Japan / Europe / USA or Equivalent	02 Bottles		
89.	Barium chloride	Japan / Europe / USA or Equivalent	02 Bottles		
90.	Starch	Japan / Europe / USA or Equivalent	02 Bottles		
91.	Sodium Nitropruside	Japan / Europe / USA or Equivalent	02 Bottles		
92.	Lead Acetate	Japan / Europe / USA or Equivalent	02 Bottles		
93.	PH Solution	Japan / Europe / USA or Equivalent	03 Bottles		
94.	Combur – 10 (Urine Strips)	Japan / Europe / USA or Equivalent	02 Bottles		

Pharmacology Department

95.	Dextrose	Japan / Europe / USA or Equivalent	2 kg		
96.	Methyl Spirit	Japan / Europe / USA or Equivalent	2 lb		
97.	Castor Oil 1000 ml	Japan / Europe / USA or Equivalent	25 Bottle		

98.	Tincture Zingiberis Mitis	Japan / Europe / USA or Equivalent	2 lb		
99.	Spirit Ammonia	Japan / Europe / USA or Equivalent	2 lb		
100.	Sodium Chloride	Japan / Europe / USA or Equivalent	2 kg		
101.	Tinture Cardco	Japan / Europe / USA or Equivalent	2 lb		
102.	Alcame 5ml	Japan / Europe / USA or Equivalent	10		
103.	Pilocarpine Eye Drop	Japan / Europe / USA or Equivalent	10		
104.	Atropine Eye Drop	Japan / Europe / USA or Equivalent	10		
105.	Adernaline Injection	Japan / Europe / USA or Equivalent	10 box		
106.	Xylocaine Solution	Japan / Europe / USA or Equivalent	05		
107.	Sodium Bicarbonate	Japan / Europe / USA or Equivalent	10 kg		
108.	Glycerin	Japan / Europe / USA or Equivalent	10 lb		
109.	Caffeine power 250 grams	Japan / Europe / USA or Equivalent	02 Bottle		
110.	Glass rod	Japan / Europe / USA or Equivalent	20		

Pathology Department

111.	Gram's Iodine Bio Rays	Japan / Europe / USA or Equivalent	3 Bottle		
112.	Safranin Bio Rays	Japan / Europe / USA or Equivalent	3 Bottle		
113.	Methylene Blue	Japan / Europe / USA or Equivalent	3 Bottle		
114.	Carbol Fuchsin	Japan / Europe / USA or Equivalent	3 Bottle		
115.	Crystal Violet	Japan / Europe / USA or Equivalent	3 Bottle		
116.	Widal Test	Japan / Europe / USA or Equivalent	3 Kit		
117.	Malachite Green	Japan / Europe / USA or Equivalent	3 Bottle		
118.	Decolorizer (Acetone)	Japan / Europe / USA or Equivalent	3 Bottle		
119.	Cover slip	Japan / Europe / USA or Equivalent	8 Box		
120.	Prothrombin Time	Japan / Europe / USA or Equivalent	2 Kit		
121.	APTT	Japan / Europe / USA or Equivalent	2 Kit		
122.	Ethanol	Japan / Europe / USA or Equivalent	5 Bottle		
123.	Test Tube Small 5ml	Japan / Europe / USA or Equivalent	10 Box		
124.	Test Tube Large 5ml	Japan / Europe / USA or Equivalent	10 Box		

125.	Test Tube 30ml	Japan / Europe / USA or Equivalent	40		
126.	Jar Large(for specimen)	Japan / Europe / USA or Equivalent	20		
127.	Jar Medium(for specimen)	Japan / Europe / USA or Equivalent	20		
128.	Wintrobe Tube	Japan / Europe / USA or Equivalent	10		
129.	Formaline	Japan / Europe / USA or Equivalent	8 Bottle		
130.	Bilirubin (Alt) (Alkline fas fate) LFT Full kit	Japan / Europe / USA or Equivalent	05 Kit		
131.	Test Tube Rack	Japan / Europe / USA or Equivalent	5		
132.	Hb Solution	Japan / Europe / USA or Equivalent	2Kit		
133.	Field stain A	Japan / Europe / USA or Equivalent	3		
134.	Field stain B	Japan / Europe / USA or Equivalent	3		
135.	Glucose	Japan / Europe / USA or Equivalent	5 kit		
136.	Crum Creatinine	Japan / Europe / USA or Equivalent	5 Kit		
137.	Crum Cholestrol	Japan / Europe / USA or Equivalent	5 Kit		
138.	Urine combs Dr	Japan / Europe / USA or Equivalent	3 box		
139.	Uric Acid	Japan / Europe / USA or Equivalent	5 kit		
140.	H. Pylori	Japan / Europe / USA or Equivalent	5 Box		
141.	Typhidot	Japan / Europe / USA or Equivalent	10 Box		
142.	HBS Ag	Japan / Europe / USA or Equivalent	10 Box		
143.	HCV	Japan / Europe / USA or Equivalent	10Box		
144.	Anti sera	Japan / Europe / USA or Equivalent	05 Kit		
145.	Droper	Japan / Europe / USA or Equivalent	2 Box		
146.	Stop Timer	Japan / Europe / USA or Equivalent	08 Box		
147.	EDTA Tube	Japan / Europe / USA or Equivalent	10 Box		
148.	Jeil Tube	Japan / Europe / USA or Equivalent	10 box		
149.	Sgot kit	Japan / Europe / USA or Equivalent	3 kit		
150.	Glass (Pyrex) 5 ml	Japan / Europe / USA or Equivalent	4		
151.	Glass (Pyrex)2ml	Japan / Europe / USA or Equivalent	4		
152.	Steaming Bottle	Japan / Europe / USA or Equivalent	8		

THERMAL CYCLER

SNo	Item	Specification	Qty	@Rate
01	<u>Thermal Cycler</u> <u>(DNA Amplifier)</u>	<u>Origin:</u> <u>Germany, USA, UK or Equivalent</u> Specifications:-Latest Model Block Capacity: 64x0.2 ml. or 36x0.5 ml.Temp. Range: 30° C to 100° C Maximum Heating Rate: < 2.5° to 05 C/sMaximum Cooling rate: < 2.5° to 4 C/s Temperature Display Accuracy: $\leq +0.1^{\circ}$ C Accuracy: $< +_{-} 2.5^{\circ}$ C/s Temperature Fluctuation: $< +_{-} 0.1^{\circ}$ CPrint LAN to computer LCD Display, Touch Screen, 8 to 10 inch Communication , USB LAN Number of Program 10000+(USB+Flash) Uniformity: 95° C h < 0.5° (20 Seconds Later), 20°C ~ 72° C h $< +_{-} 0.3^{\circ}$ C (20 Seconds Later) Max. Program Unit: 9 Max. cycle Steps: 9 to 12 Max. Cycle No.: 99 to 105 Max. Constant Temp.: 59m59sStored Program No.: 99h59m Stored Program No.: 100 dimensions: 370-380 mm (L) x 240-249 mm (W) x180- 260 mm (H) Auto Data ProtectionWeight: 08 to 20Kg. Adjustable Pressure Hot Lid, to Prevent Volatilizingand Dewing Heat lid with pressure alarm device, to preventdamaging test tube by too much pressure. Convenient and flexible Module replacement mode. Innovative module wire socket design achieves module replacement without wire. Pause function. The unique left-right design for amplification areaand operating area. Coloured and Wide screen displaying multipldetails. Perform 20000 times non-breakdown operation.	01	

SKILL LAB

SIMULATORS

SKILL LAB

SNo	Item	Specification	Qty	@Rate
01	<u>Adult BLS Manikin with Blue Tooth/wireless</u>	<p>Origin: Germany, USA, UK or Equivalent</p> <p>Technical Features</p> <ul style="list-style-type: none"> Manikin should have AHA recommended QCPR feedback technology, to help instructors improve CPR training quality, efficiency, and learner engagement. Manikin should be able to connect with the free software app Android / IOS Device via Bluetooth connectivity. Measure to improve, real-time and summary feedback of CPR performance with the IOS app, the instructor must get a performance overview of up to six manikins, simultaneously. Using their own observations and the objective feedback from the app, the instructor can quickly and effectively coach the learners to improve. Manikin should be upgradable. 	01	
02	<u>Infant Advance CPR Manikin</u>	<p>Origin: Germany, USA, UK or Equivalent</p> <p>Technical Features</p> <p>Manikin should come with the following features:</p> <p>Airway features</p> <ul style="list-style-type: none"> Airway occlusion (head tilt/chin lift, jawthrust) Realistic chest rise and fall <p>Debriefing</p> <ul style="list-style-type: none"> Debriefing through recorded events Quick Review of CPR performance Blood pressure / pulses Brachial pulses (pulse bulb) <p>CPR</p> <ul style="list-style-type: none"> Mouth-to-mouth ventilations Ventilations with face shield Ventilations with pocket mask Ventilation with bag-valve-mask <p>Quality CPR feedback</p> <ul style="list-style-type: none"> Ventilation measurement and feedback Chest compressions Compression measurement and feedback Detailed CPR evaluation Compression counter Complete release feedback <p>Feedback TABLET</p> <p>Feedback Tablet should be inclusive with software provides, easy-to-use feedback for enhanced Quality CPR training. During training the operator will be able to monitor the following metrics</p> <ul style="list-style-type: none"> Compression rate and depth Correct release for each compression Correct hand position 	01	

		<ul style="list-style-type: none"> Frequency and length of interruptions Appropriate ventilation volume Automatic and manual annotation of keyevents during CPR simulation 		
03	<u>Child Basic CPR</u> <u>Manikin</u>	<p>Origin: Germany, USA, UK or Equivalent</p> <p>Technical Features</p> <ul style="list-style-type: none"> Manikin should have AHA recommended QCPRfeedback technology, to help instructors improveCPR training quality, efficiency, and learner engagement. Manikinshould be able to connect with the free software app Android / IOS Devicevia Bluetooth connectivity. Measure to improve, real-time and summaryfeedback of CPR performance. With the IOSapp, the instructor must get a performance overview of up to six manikins, simultaneously. Using their own observations and the objective feedback from the app, the instructor can quicklyand effectively coachthe learners to improve Manikin should be Up gradable 	01	
04	<u>A.D.E Trainer</u>	<p>Origin: Germany, USA, UK or Equivalent</p> <p>Technical Features</p> <p>Manikin should contains following features:</p> <ul style="list-style-type: none"> Guidelines compliant. Educationally effective, offers all the essential features necessary for learningappropriate AEDuse and techniques. Flexible configuration of the device througha scenario builder program that allows the additional creation of custom training scenarios. Battery Operated with extended backup time. Ten pre-configured sudden cardiac arrestsenarios compatible with training programsdeveloped by internationally recognized responder programs. Remote control (optional) for manual scenario selection pause/resume function, AED Trainer volume control, motion artifact, low battery orreplace battery, loose electrodes connection, shock able or no shock able rhythms. 	12	
05	<u>Bag Valve Mask</u> <u>Adult –Child –</u> <u>Infant Pocket</u> <u>MaskAdult – Child –</u> <u>Infant</u>	<p>Origin: Germany, USA, UK or Equivalent</p> <p>Technical Features</p> <p>Bag Valve Mask (Adult, Child & Infant)</p> <ul style="list-style-type: none"> It should contains following features: Material: PVC, PC, SI, Polypropylene Does not contain latex Patient Valve Dead Space: 6.8 ml / AHACompliance. Inspiratory Resistance: 1.5 cmH₂O @ 50LPM /AHA Compliance. Expiratory Resistance: 1.8 cmH₂O @ 50LPM /AHA Compliance. Storage Environmental Temperature Limits: -40°Cto +60°C. Operating Environmental TemperatureLimits: -18°C to +50°C 	01	

		Pocket Mask: (Adult, Child & Infant) It should contains following features: <ul style="list-style-type: none"> Filter and one-way valve make it a quality choice that provides protection during CPR. A high-quality 3M Filtrate hydrophobic filter under a one-way valve filters out contaminants in the air being transferred between the care provider and the patient, protecting them both.		
06	<u>Adult ACLS Manikin</u>	Origin: Germany, USA, UK or Equivalent Technical Features It should contains following features: Airway/Intubation Trainer <ul style="list-style-type: none"> Obstructed Airway, Endotracheal, Nasotracheal intubation, Ventilation, Surgical and Needle cricothyrotomy, Suctioning techniques, Stomach auscultation Cardiac Related Skills. <ul style="list-style-type: none"> Cardiac rhythm variations, manual chest compressions, pacing, defibrillation and synchronized cardioversion Circulatory Skills and IV Drug Administration. <ul style="list-style-type: none"> Bilateral carotid pulse, Brachial and Radial pulses, blood pressure, IV Cannulation, venipuncture, Subcutaneous and intramuscular injections, Tension Pneumothorax Decompression Feedback Tablet features: <ul style="list-style-type: none"> Handheld, intuitive touchscreen remote for easy 'pick up and play' experience Operate on-the-fly or utilize Scenarios and Themes for consistent simulation training Optimal data capture for quality debriefing Mobile - teach anywhere. Blood Pressure <ul style="list-style-type: none"> Auscultated and palpated blood pressure simulation Korotkoff sounds synchronized with programmable ECG 	01	
		<ul style="list-style-type: none"> Korotkoff sounds volume control in 10 steps, 0-9 Systolic and diastolic pressure may be set individually in steps of 2mmhg Systolic 0-300mmhg, Diastolic 0-200 mmhg Auscultative gap, with on/off feature Pressure accuracy +/- 4mmhg Calibrate function to adjust pressure sensor and cuff gauge Pulses. <ul style="list-style-type: none"> Controls carotid, brachial, radial, and umbilical pulses (available pulses vary depending on manikin) Pulses only active when palpated Pulses synchronized with ECG Pulse strengths dependent or independently set Brachial pulse off when BP cuff pressure is 		

		<p>above 20 mmHg</p> <ul style="list-style-type: none"> • Radial pulse off when BP cuff pressure is above Systolic BP level <p>ECG</p> <ul style="list-style-type: none"> • 3 – 4 lead ECG • Pacing and defibrillation capabilities • Extensive ECG library based on the library • With optional patient monitor: 12 lead ECG <p>Heart Sounds</p> <ul style="list-style-type: none"> • Synchronized with programmable ECG • Aortic Stenosis • Friction Rub • Austin Flint Murmur • Diastolic Murmur • Systolic Murmur • Mitral Valve Prolapse • Opening Snap Msec • Ventricular Septal Defect • Atrial Septal Defect • Pulmonary Stenosis • Stills Murmur • Normal Heart Sounds <p>Lung Sounds</p> <ul style="list-style-type: none"> • Synchronized with breathing rate, 0-60bpm • Individual lung or bilateral sound selection • Course Crackles & Fine Crackles • Normal Breath Sounds & Pneumonia & Stridor • Wheeze & Pleural Rub • Rhonchi <p>Bowel Sounds</p> <ul style="list-style-type: none"> • Normal and abnormal bowel sounds • Borborygmus & Fetal Tones Hyperactive Bowel & Hypoactive Bowel • Normal Bowel <p>Vocal Sounds</p> <ul style="list-style-type: none"> • Computer-generated sounds, mixed with voice input (via microphone) • Cough & Vomit • Moan & Scream • SOB Breathing • Yes & No • Hiccup (infant) & Cry (infant) <p>Logging / Scenario Function</p> <ul style="list-style-type: none"> • Download log files and student data to a PC • All interventions, vital signs, and notes are time stamped and will be captured in the Tablet datalog • The log files can be viewed on the Tablet or on a PC for post-simulation reflection and debriefing <p>General</p> <ul style="list-style-type: none"> • The Feedback Tablet should be 5.7" color display with touchscreen operation, and compact Link Box with rechargeable battery • Intuitive software with Manual and 		
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		Automaticmodes <ul style="list-style-type: none"> Li-Ion Battery, 3 – 4 hours operating time 		
07	<u>IV Arm</u>	<u>Origin: Germany, USA, UK or Equivalent</u> Technical Features It should contains following features: <ul style="list-style-type: none"> Correct puncture of peripheral veins for blood sampling. The following veins can be punctured:basilica vein, cephalic vein, median cubital vein,dorsal venous rete of hand Intravenous injections Positioning of a butterfly catheter Delivered in deluxe storage carton with: 1 injection arm with already mounted tubingsystem 1 infusion bottle 1 stand 1 bottle of artificial blood concentrate (250ml) 1 plastic cup 	01	
08	<u>Intramuscular Injection Simulator</u>	<u>Origin: Germany, USA, UK or Equivalent</u> Technical Features It should contains following features: <ul style="list-style-type: none"> The simulator should represent a right upper arm with all important anatomical palpable landmarkssuch as acromion and humerus. The realistic anatomy allows for placing correct intramuscular injections in an exceptionally graphic way. The built-in fine electronics produceaudio-visual feedback of the result, e.g. correct orincorrect injection, bone contact, or wrong location. Additional trainings and control modes optionally provide an immediate or subsequent performancecheck under training conditions. The included lifelike silicone skin is extremely durable and can be quickly and easily exchangedwhen necessary. The intramuscular simulator is supplied with: 2 AA batteries Detailed instruction manual Replacement skin 5-ml injection syringe 21G/0.8 injection needle 	01	
09	<u>Central Venous Cannulation CVC</u>	<u>Origin: Germany, USA, UK or Equivalent</u> Technical Features It should contains following features: <ul style="list-style-type: none"> Central Venous Cannulation Simulator is directed to the emergency medical field. ACLS and ATLS participants will find this simulator to be the ideal trainer. Anatomicallyaccurate, palpation is exactly the same as on a patient. The sternal notch, sternocleidomastoid, clavicle, and other supporting features make this simulator a pleasure to work with. Internal features include a replaceable muscle and bone section, subclavian, internal jugular, external jugular, and carotid. Use of a Swan-Ganz catheter is possible and changing of the 	01	

		internal tubing is extremely easy. The neck of the simulator is positioned to the left, making landmark identity quite easy visually. The sternal notch “sinks” 1-1.5 cm when palpated. All external and internal landmarks correlate to a live patient. Modified to meet ATLS and ACLS standards, this simulator has proven itself in the Emergency medical field.		
10	<u>Suturing & Stapling Practice</u>	Country of Manufacturer: Europe / UK /USA /Japan or Equivalent Technical Features It should contains following features: <ul style="list-style-type: none"> • This is a basic skill trainer which offers a limited facility for knot tying. The foam can be turned over and or replaced. • Highly portable • Rubber suction feet secure the base providing easy working conditions • Washable, durable and all parts replaceable 	01	
11	<u>Bandaging Simulator</u>	Country . Europe / UK /USA /Japan or Equivalent Technical Features It should contains following features: <ul style="list-style-type: none"> • With the Upper Stump Bandaging Simulator most standard bandaging procedures can be practiced or demonstrated. Can be used to demonstrate the attachment of prosthetic devices. The upper torso includes the two arms - one is amputated above the elbow; the other above the wrist. Both arms are slightly extended in a "patient- like" position to facilitate bandaging. • The lower torso of the bandaging simulator is long enough to allow carrying the bandage around the body over the uninvolvement hip at the level of the iliac crest. (Note: There is no embedded, palpable skeletal material.) The lower stump simulator can be used to demonstrate the attachment of prosthetic devices. The lower torso is representative of a prone patient with legs slightly abducted. One leg is amputated below the knee; the other mid-thigh. 	01	
12	<u>Tracheotomy Care Simulator</u>	Country . Europe / UK /USA /Japan or Equivalent Technical Features It should contains following features: <ul style="list-style-type: none"> • Tracheostomy Care Simulator is the most realistic approximation of a patient available today. Careful attention to detail is incorporated into this pseudo-patient. Suctioning techniques, proper cuff inflation, dressing changes, and other techniques can be practiced and critiqued. The simulator replicates an adult male containing oral and nasal passages and all appropriate anatomy - pharynx, epiglottis, trachea, esophagus, stoma, cricoid cartilage, and representative cervical vertebrae. The chest area contains left and right bronchi and the bronchial tree. The esophagus “dead ends” 2" below the trachea 	01	

		<p>opening. The side of the neck and chest</p> <ul style="list-style-type: none"> • area over the bronchial tree allow viewing of the suction and trachea tube. The viewing window at the bottom of the simulator shows the location of a suction catheter in the right bronchus (seen) or left bronchus (unseen). Oral, nasopharyngeal, nasotracheal, and tracheal suctioning can be practiced. Cleansing of the stoma area can be performed just as on an actual patient. Changing dressings and ties is also possible, and the experience is very close to an actual one. 		
13	<u>Epidural and Spinal Injection Trainer</u>	<p>Country . Europe / UK /USA /Japan or Equivalent</p> <p>Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> • Epidural anesthesia using the loss-of-resistance and the hanging-drop technique • Spinal anesthesia with realistic resistance of the dura and arachnoid mater with or without a cannula • Fluid-filled spinal canal with realistic outflow rate thanks to the ability to adjust the excess pressure • An epidural catheter can be inserted into the epidural space. • Closed water system easy to clean 	01	
14	<u>Catheterization Male & Female</u>	<p>Country . Europe / UK /USA /Japan or Equivalent</p> <p>Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> • This manikin should have following features: • Female and male catheterization with realistic resistance • 3 levels of adjustable narrowing of urethra • Soft and movable foreskin and labia (for practicing disinfection, for example) • Anatomically realistic pelvic structure • Liquid outflow if catheterization is successfully carried out • The transparent bladder can be checked, and the abdominal wall can be removed • Includes suprapubic catheter for practicing, cleaning and caring for it • Stands securely on the table thanks to the non-slip feet • Magnetic connectors for quick set-up and dismantling. • Easy to clean and maintain, and can be completely taken apart. 	01	
15	<u>Enema Administration</u>	<p>Country . Europe / UK /USA /Japan or Equivalent</p> <p>Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> • Portable, • Contains 1 Liter fluid reservoirs. • Include enema administration sets. • With extra consumables. 	01	

16	<u>ETT Intubation-Airway Management</u>	<p>Country . Europe / UK /USA /Japan or Equivalent</p> <p>Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> Realistic representation of human anatomy, tissue, and skin Allows students to undertake training that is directly transferable to the clinical setting • Practical training in clearing an obstructed airway and suctioning of liquid foreign matter • Minimal maintenance and robust design delivers cost effective training • Base plate mount allows stable practicing conditions • A hard carry case provides easy transportation and safe storage <p>Product features:</p> <ul style="list-style-type: none"> • Practicing of oral and nasal intubation • Practicing use of LMA (Laryngeal Mask Airway) and Comb tube • Correct tube placement can be checked by practical inflation test • Realistic anatomical features allow demonstration of Sellick Maneuver and laryngospasm • Bag-Valve-Mask ventilation can be practiced • Stomach inflation and vomiting situation can be simulated • Provides visual inspection of lung expansion • Provides auscultation of breath sounds • Airway demonstration model is standard with each trainer 	01	
17	<u>NG Intubation</u>	<p>Country . Europe / UK /USA /Japan or Equivalent</p> <p>Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> • Training and practice of vital tracheostomy skills and care for patients with respiratory conditions. The simulator is also designed for instruction of gastrointestinal care procedures through nasal and oral access. This simulator features realistic landmarks, trachea, esophagus, lungs and stomach. For exceptional realism, methyl cellulose can be mixed with water to simulate mucous-like fluids of a real patient. Fluid can be added to the lungs and stomach for realistic tracheostomy care and suctioning. • It should include following features as well. Dressing changes and cuff inflation • NG tube care, including insertion, irrigation, and remove • Gastric lavage and gavage • Feeding tube insertion and removal with the ability to practice feeding • Nasoenteric and esophageal tube care • Oropharyngeal and nasopharyngeal care • ET tube care. • The simulator is designed to use size 6 ET and NG tube. 	01	

18	<u>Adult Abdominal Examination Trainer</u>	<p>Country . Europe / UK /USA /Japan or Equivalent Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> • Model should have Familiarity with the abdominal regions and underlying anatomy • Feature of abdominal palpation, auscultation and percussion • It should have the Ability to differentiate normal from abnormal pathology Identification of ascites, specifically shifting dullness and fluid thrill • Identification of gaseous distension and bowel obstruction • Ballottement of kidneys • Respiratory movement of liver and spleen can be felt by the turn of a wheel • Bowel Sounds can be adjusted through MP3 player & it should further allows for additional sounds to be loaded with adjustable sound volume. • Pulse bulb should allow simulation of normal and aneurysmal aortic pulse. <p>Product Anatomy:</p> <ul style="list-style-type: none"> • It should be of Half Body Torso Size featuring abdomen, pelvis and lower part of thorax • Bony landmarks should include ribs, costal margin, xiphisternum, pubic crest and anterior superior iliac spines and should contains following parts. • 3 Livers: slightly enlarged, enlarged with smooth edge and enlarged with irregular edge • 2 Spleens: slightly enlarged and markedly enlarged • 2 Enlarged Kidneys • Distended Bladder • Set of 6 Abdominal Pathologies including 4 smooth masses and 2 irregular hard masses • Distension Set including ascites bag, gaseous distension bag, pump and foam insert • Representation of lower thoracic and lumbar spine Abdominal Examination Skin (Normal Skin) • Distension Set including ascites bag, gaseous distension bag, pump and foam insert • Representation of lower thoracic and lumbar spine 	01	
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19	<u>Premature /Pre term Simulator</u>	Country . Europe / UK /USA /Japan or Equivalent Technical Features <ul style="list-style-type: none"> • Realistically Proportioned 25-Week PretermManikin • Anatomically accurate, realistic airway • ET tube insertion • Sellick Man oeuvre • Positive Pressure Ventilation • Right main stem intubationSuctioning • OG/NG tube insertion • Breathing Features • Bilateral and unilateral chest rise and fall withmechanical ventilation • Breathing Complications • Unilateral chest movement (right mainstemintubation) with mechanical ventilation • Realistic Compressions • Vascular Access. • Patent, cuttable umbilicus with venous and arterialaccess for bolus or infusion • Simulated blood flashback upon Cannulation of umbilical vein • Peripheral IV access (dry ports only) • Sounds • Auscultation of lung sounds during ventilation 	01	
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20	<u>Suture Practice Arm</u>	<p>Country . Europe / UK /USA /Japan or Equivalent Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> • Suture Training Arm must offers the possibilityfor suture training that more complex than withregular suture pads. It should be movable hand and fingers, evenchallenging sutures in hard toreach placeslike between the fingers can be practiced. Both the skin and the subcutaneous tissueare represented for a life- like suturing experience. • The instructor can inflict wounds independentlywherever Qty on the arm. Their size and form can be customized, leaving room for a large variety of training possibilities. Additionally, each wound can be sutured several times, making this trainervery economic and suitable even for larger skill training classes. • Movable fingers for suture training ofchallenging wounds between fingers Skin and subcutaneous tissue differentiated forrealistic suture experience • Wounds can be inflicted by instructor anywhereon the training arm • Each cut can be sutured several times Surgicalstaples procedure possible 	01	
21	<u>Casualty Kit IV</u>	<p>Country . Europe / UK /USA /Japan or Equivalent Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> • Bleeding wounds (complete with reservoirbagswith pump assembly): • 1 jaw wound • 1 abdominal wound with protruding intestines • 1 sucking wound of chest • 2 compound fractures of humerus • 2 compound fractures of femur • 2 compound fractures of tibia • 1 laceration of the forehead • 1 open amputation • 2 gunshot wound of palm • Non-bleeding wounds: • 36 assorted stick-on lacerations and open fracturewounds • 1 phosphorous burn of the hand • 1 face in shock • 2nd & 3rd degree burn of the face • 2nd & 3rd degree burn of the chest • 2nd & 3rd degree burn of the back • 2nd & 3rd degree burn of the hand • 2nd & 3rd degree burn of the forearm 	01	

		<ul style="list-style-type: none"> • Makeup Accessories: • 1 mirror • 1 body adhesive for stick-on wounds • 2 casualty simulation wax • 3 bottles coagulant make Up blood • 5 pkg. blood powder, each for 4.5 liter simulated blood • 1 pkg. methyl cellulose for blood thickening • 4 grease paint colors: white, blue, brown and red • 2 pkg. broken Plexiglas® for simulating glass embedded wound • 1 cold cream • 2 atomizer mist sprayer • 2 plasticine modeling paste: white and dark • 6 tongue depressor • 1 pkg. of tissues • 2 fake dirt • 1 charcoal • 1 petroleum jelly • 2 spatulas 		
22	<u>Rectal Examination – Male</u>	<p>Country . Europe / UK /USA /Japan or Equivalent</p> <p>Technical Features It should contains following features:</p> <p>OVERVIEW</p> <ul style="list-style-type: none"> • Simulation of sphincter contraction allows trainee to assess anal tone • Interchangeable prostates can be quickly and easily inserted, out of sight of the trainee • Left lateral positioning • Addition of impacted fecal matter allows trainee to recognize and distinguish this common finding • High quality illustration pack of 9 external anal conditions • Model offers a contractible anal sphincter, allowing for anal tone assessment, and a fecal impaction clip in module • External ano-rectal illustrations are ideal for incorporation into scenarios and OSCE Assessments <p>REALISM</p> <ul style="list-style-type: none"> • Soft, palpable buttocks <p>Realistic anus with resting tone and ability to contract.</p> <p>VERSATILITY</p> <ul style="list-style-type: none"> • Trainer can also be presented in a 'semi- standing' position using the optional Standing Position Stand <p>SAFETY</p> <ul style="list-style-type: none"> • Latex free <p>ANATOMY</p> <ul style="list-style-type: none"> • Buttocks, anus, rectum, prostate and perineum • Pathological perineum - with polyp and rectal cancer 	01	

		<ul style="list-style-type: none"> • 4 abnormal prostates: • Benign unilateral enlarged • Benign bilateral enlarged • Unilateral & Bilateral Carcinoma SKILLS GAINED <ul style="list-style-type: none"> • Digital examination of the anus, rectum and prostate Assessment of anal tone Identification of faecal matter in the rectum 		
23	<u>Ear Examination Simulator</u>	Country . Europe / UK /USA /Japan or Equivalent Technical Features It should contains following features: <ul style="list-style-type: none"> • This ear examination simulator allows practice in the examination of the ear. • The ear examination simulator consists of a head with 6 interchangeable flexible ears with lifelike external and internal structures of the ear. Embedded colored prints in 5 out of the 6 ears allow the diagnosis from ear examination of various pathologies. • One ear is not colored, but can be used for ear wax removal exercises. The ear examination simulator is supplied with 2 tubes of synthetic ear wax, nine 35mm slides • The following normal conditions and pathologies can be observed: <ul style="list-style-type: none"> • Normal tympanic membrane • Mucoid otitis media • Serous otitis media with fluid level • Chronic otitis media with perforation • Normal tympanic membrane with slanted ear canal 	01	
24	<u>Breast Examination Trainer</u>	Country . Europe / UK /USA /Japan or Equivalent Technical Features It should contains following features: <ul style="list-style-type: none"> • Can be used with a Standardized Patient • Pathologies can be placed in various predetermined location points and are easily changeable • Dual purpose product: bench top and hybrid Hard torso available for bench top use REALISM <ul style="list-style-type: none"> • Soft tissue breasts look and feel realistic • Clavicular and axilla pads for accurate lymph node placement. VERSATILITY <ul style="list-style-type: none"> • Pathologies can be placed in various predetermined location points and are easily changeable Comfortable to wear for long periods of time during OSCEs and assessments CLEANING <ul style="list-style-type: none"> • Skin surface is washable using soap and water SAFETY <ul style="list-style-type: none"> • Latex free ANATOMY	01	

		<ul style="list-style-type: none"> • Realistic soft tissue breast anatomy • Pathologies supplied: • Carcinomas: 2cm, 3cm, 5cm • Cyst • Fibrocystic disease Fibro adenoma. 		
25	<u>Eye Examination</u>	<p>Country . Europe / UK /USA /Japan or Equivalent</p> <p>Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> • Training and testing modules with database of 200 High Resolution Images • Detailed text descriptions and pre- annotations for normal landmarks and pathological features • Land marking Function - allows instructor to highlight specific characteristics of pathologies • Advanced Quizzes - Randomized realistic clinical scenarios to test both medical and patient interaction skills • Easy-to-use Graphical User Interface - Improves viewer retention through immersive full-screen experience • History of Ophthalmoscopy • Examination Principles & Technique • Instrument Use • Retinal Feature Identification • Pathology - Papilledema, Diabetic Retinopathy, Glaucoma, Choroidal Rupture, Macular Degeneration, plus more. • Examinations and Self-Examinations. 	01	
26	<u>Episiotomy Suturing</u>	<p>Country . Europe / UK /USA /Japan or Equivalent</p> <p>Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> • Median episiotomy • Medio lateral episiotomy • Lateral episiotomy • Vaginal tears • Labial tears • To make caring for and closing these birth wounds as realistic as possible, the following muscle structures can be palpated and sutured in the perineal area: • M. sphincter ani externus (outer anal sphincter muscle) • M. transversus perinei superficialis (superficial transverse perineal muscle) • M. bulbospongiosus (bulbospongiosus muscle). 	01	

27	<u>Teaching Dummy</u> <u>Birth simulator</u>	<p>Country . Europe / UK /USA /Japan or Equivalent</p> <p>Technical Features</p> <p>It should contains following features:</p> <ul style="list-style-type: none"> • Fetal palpitation of fontanel, backbone,knees andelbows. Vertex presentation. • Normal vaginal delivery. • Complete, frank and footling breech delivery. • C Section delivery. • Vertex and breech presentation in multipledelivery. • Demonstration of placenta Previa: total,partial andmarginal. • Prolapse of umbilical cord. • Ritgen's maneuver. • 3 soft vulva inserts for episiotomy exercises. • Normal delivery of umbilical cord andplacenta. • Suction of baby's nose and mouth. 	01	
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BID LETTER FROM

From:

(Registered name and address of the bidder) To:

The Principal Khairpur Medical College Khairpur mir's

Dear Sir / Madam,

Having examined the bidding document and amendment thereon we the undersigned, offer to provide services to the works including in conformity with the terms and conditions of the bidding document and amendments there on, for the following project in response to your tender call dated_

Tender Title:

We undertake to provide services/execute the above project or it part assigned to us in conformity with the said bidding documents for an estimated sum of Rs. _____ (Rupees - _____) (total bid amount in words and figures) which may vary in accordance with the schedule of prices attached herewith and coverage options made by Drug Testing Laboratory Sindh or its user organization.

If our bid is accepted, we undertake to;

- 1) Provide services/execute the work according to the time schedule specified in the bid document,
- 2) Obtain the performance guarantee of bank in accordance with bid requirements for the due performance of the contract, and
- 3) Agree to abide by the bid conditions, including pre-bid meeting minutes if any, which remain binding upon us during the entire bid validity period and bid may be accepted any time before the expiration of that period.
- 4) We understand that you are not bound to accept the lowest or any bid you may receive, nor to give any reason for the rejection of any bid and that you will not defray any expenses incurred by us in bidding.

Place:

Bidder's signature

Date:

and seal.

MANUFACTURER'S AUTHORIZATION FORM

[SEE CLAUSE 11.1 (A) OF THE INSTRUCTION TO BIDDERS]

To: **The Khairpur Medical College**

Khairpur mir;s

WHEREAS **[name of the Manufacturer]** who are established and reputable Manufacturers of **[name and /or description of the goods]** having factories at **[address of factory]** do hereby authorize **[name and address of Bidder / Agent]** to submit a bid, and subsequently follow-up / negotiate and sign the Contract with you against Invitation for Bids (IFB) / Tender Notice for the goods manufactured, by us, under the patent name of for performance of the contract.

We hereby commit and assure our full guarantee and warranty / guarantee as per Clause 12 of the General Conditions of Contract for the goods offered for supply by the above mentioned firm against this Invitation for Bids.

[Signature for and on behalf of Manufacturer]

Note:

This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.

CONTRACT FORM

THIS AGREEMENT made the Day of(year) Between the Procuring Agency (hereinafter “the_____”) of one part and(Name of Vendor) of(City and country of Vendor) (Hereinafter “the Supplier”) of the other part:

WHEREAS the_____ is desirous that certain Supplies, as described in the bid document and briefly outlined below, should be provided by the Vendor.

Date of tender call:

Title of the project:

Brief outline of the work:

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS;

In this agreement words and expression shall have the same meanings as are respectively assigned to them in the bid document referred to.

The following document shall be deemed to form and be read and construed as part of this Contract, viz..

- 1) Bid document(s)
- 2) Pre-bid conference minutes if any,
- 3) Clarification on bid document issued if any,
- 4) **Khairpur Medical College, Khairpur Mir's.**

In case of conflict among documents mentioned above, the documents mentioned above in reverse order will prevail over other documents. In consideration of the payments to be made by the **Khairpur Medical College, Khairpur Mirs** to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the **Khairpur Medical college** to (**Tender Title**.....) and to remedy defects therein conformity, in all respects, with the provisions of the contract.

The **Khairpur Medical College** hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the contract price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

Brief particulars of the services which shall be supplied/provided by the Supplier are as under:

Solutions, service or material	Quantity	Unit price	Amount	Remarks

IN WITNESS whereof the parties hereto have caused this Agreement executed the day and year above written.

Signed, sealed, delivered by_____the (for the Procuring agency)

Signed, sealed, delivered by_____the (for the Supplier)

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No.: _____
Executed on: _____
Expiry date: _____

[Letter by the Guarantor to the Employer]

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

Name of Principal (Contractor, Manufacturer, Supplier or any bidder) with complete address:

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

Letter of Acceptance No. _____ Dated: _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the are e of the said Principal we, the Guarantor above named, are held and firmly bound unto the **Principal, Khairpur Medical College, Khairpur Mirs** (hereinafter called the Employer) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said Employer, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

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

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

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

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

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

demand from the Employer forthwith and without any reference to the Principal or any other person.

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

Witness:

1. _____
(Name, Title, Signature & Seal)

Guarantor (Bank)

Signature:

2. _____
(Name, Title, Signature & Seal)

Name: _____
Title: _____

INTEGRITY PACT

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

Contract Number: NO. _____ Dated: _____
Contract Value: Rs. _____
Contract Title: _____

M/s. _____ 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, M/s. _____ 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, **Principal, Khairpur Medical College, Khairpur Mir's--**, except that which has been expressly declared pursuant hereto.

M/s. _____ 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.

M/s. _____ 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, M/s. _____ 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 M/s. _____ 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.

M/s. _____ **Principal, Khairpur Medical College**

BID Form

The Principal
Khairpur Medical College
Station |Road Khairpur mir;s

Dear Sir,

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

1. The free of cost / donation / discounts offered and the methodology for their application are:

2. We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

3. If our bid is accepted, we shall obtain an unconditional guarantee of a bank in the sum of 5% of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring Agency.

4. We agree to the validity of this bid for 90 days from the date fixed for financial bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

5. Until a formal Contract is prepared and executed, this bid, together with the written acceptance thereof and notification of award, by the Procuring Agency, shall constitute a binding Contract between us.

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

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

(A) **PRICE SCHEDULE IN PAK RUPEES delivered duty paid**

FOR GOODS OFFERED WITHIN THE PROCURING AGENCY'S COUNTRY

S#	Detailed Specification of Goods	Model / Cat No.	Name of Manufacturer	Country of Origin	Port of Shipment	Quantity of Stores	Unit	Rate Per Unit	Total Price
1	2	2	4	5	6	7	8	9	10
Total Amount in Pak Rs.									

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

NOTE:

Port of Shipment and Country of origin of "MAJOR PART(S) OF THE EQUIPMENT" must be clearly reflected separately in the Technical and Financial bids. The "Origin" means the place where the "goods" are mined, grown, or produced.

(B) PRICE SCHEDULE IN FOREIGN CURRENCY

(CFR / CNF/ C&F / CPT BASIS)

FOR GOODS OFFERED FROM OUTSIDE THE PROCURING AGENCY'S COUNTRY

S#	Detailed Specification of Goods	Model / Cat No.	Name of Manufacturer	Country of Origin	Port of Shipment	Quantity of Stores	Unit	Currency	Rate Per Unit	Total Price
1	2	2	4	5	6	7	8	9	10	11
Total Amount in Foreign Currency										

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

NOTE:

Port of Shipment and Country of origin of "MAJOR PART(S) OF THE EQUIPMENT" must be clearly reflected separately in the Technical and Financial bids. The "Origin" means the place where the "goods" are mined, grown, or produced.