



## **AYUB MEDICAL COLLEGE ABBOTTABAD**

### **BID SOLICITATION DOCUMENTS MANIKINS FOR SKILL LAB**

**Mansehra Road, Mandian Abbottabad  
Tel. No. Dean Office: 0992-382028**

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## INVITATION FOR BIDS

1. The **Dean Ayub Medical College Abbottabad** now invites sealed bids from eligible bidders for the procurement of manikins for skill lab.
2. Interested eligible bidders may obtain further information from and inspect the bidding documents at the Account Branch/ Procurement Cell, Ayub Medical College, Mansehra Road Abbottabad
3. Bidding documents can be obtained from Accounts Branch Ayub Medical College Abbottabad during office hours on payment of Rs.1000/- for each item. (Non-Refundable) and are also available on the institutional website.  
<http://www.ayubmed.edu.pk>.
4. The firms/ contractors may also deposit a pay order/ bank draft of Rs. 1,000/- as tender fee in favour of **Dean, Ayub Medical College**
5. Tenders/bids should reach at the following address till 11:30 A.M on or before 14<sup>th</sup> June 2022.
6. A pre bid meeting of all the intended bidders will be held on 02-06-2022 at 12:00 Noon in the conference room of Ayub Medical College.

**Dean, Medical Teaching Institution,  
Ayub Medical College,  
Main Mansehra Road,  
Abbottabad**

7. The tenders/bids will be opened on 14<sup>th</sup> June 2022 at 12:00 Noon by the Institutional Purchase Committee.
8. The bidders are requested to give their best and final prices as no negotiations are expected.

**Dean Medical Teaching Institution, Abbottabad  
Ayub Medical College**  
Mansehra Road, Mandian Abbottabad  
Tel.No. Dean Office: 0992-382028

## INSTRUCTIONS TO BIDDERS

1. The bidder/ proponent must submit the proposals in sealed envelopes as specified in clause b) of Section (2) of Rule 6 of KPPRA Rules 2014 i.e. ***Single stage, two envelop procedure.***
2. The proposal shall be typed in English with legible font type and size. Any hand written part or full proposal (either technical or financial) shall be rejected.
3. The bidders are directed to submit separate envelopes for technical and financial bid.
4. The bidders shall quote prices on FOB/FOR basis.
5. Package wise technical evaluation will be carried out.
6. Comparison of the prices will be done on package wise basis.
7. The bidders are directed to show the delivery period of each item separately.
8. The bidders are directed to submit duly signed and stamped bidding documents along with the technical bid.
9. Items in the different packages can be increased or decreased as per requirement of the end users at the time of the supply order.
10. Successful bidders shall submit samples of items or arrange demonstration on actual model and physical inspection of the model supplied anywhere in Pakistan. All the expenses incurred on the visit of the committee for demo/inspection will be borne by the bidder/firm.
11. The proposals must be on the bidder's letterhead, duly stamped by authorized representative (as per prescribed specimen in alphabetical order).
12. The envelopes should be on the name (**Dean, Ayub Medical College, Medical Teaching Institution, Abbottabad.**
13. The terms and conditions mentioned in the tender notice are also part and parcel of this bidding document
14. The bidder shall specify validity in days; the procuring entity may under exceptional circumstances request for extension in bid validity which shall be for not more than the period equal to the period of the original bid validity.
15. Collusion between the firms is strictly prohibited. Any firm / group of firms found involved in creating a cartel or any other collusion arrangement against the interest

of the project/government, will be blacklisted and debarred as per blacklisting manual of AMC.

16. The proposals should be in accordance with enclosed specifications.
17. Every page of the bid must be properly signed and stamped.
18. **Response time:** All bidders shall submit proposals as per these instructions on or before 14<sup>th</sup> June 2022 at 11:30 AM .These tenders/bids will be opened at 12:00 Noon by the Institutional Purchase Committee.
19. The procuring entity may reject one or all such proposals, which are vague (In terms of financial proposal) or does not adhere to these instructions. The rejection reason will be communicated to the respective bidder.
20. The procuring entity may offer for re-bidding in case the proposal does not satisfy its professional requirements.
21. Arbitration as per law will be in case of disagreement arising out of contract execution, which cannot be settled, between the two parties (procuring entity and supplier/vendor/bidder).
- 22. If the bidding document is downloaded from the institutional web site, the fee has to be deposited in the Accounts Branch and the original receipt must be attached with the bidding document or a bank draft of Rs. 1,000/- in favour of Dean, Ayub Medical College may also be deposited.**
23. No tenders/bids shall be accepted without original fee receipt or bank draft.
24. The bidder will deposit bid security money with procuring entity equal to **2%** of the total value of the contract along with the bid in the envelope containing Financial Proposal. The Bidder must give an undertaking on official letterhead that he has submitted CDR/Bid Security with Financial Proposal stating only the Bank Draft Number and name of the bank. The undertaking **should not disclose the amount. The bid will be rejected if bid security amount is stated in the said undertaking.**
25. The procuring entity may reject one or all such proposals, which are vague (In terms of financial proposal) or does not adhere to these instructions. The rejection reason will be communicated to the respective bidder.
26. The procuring entity may offer for re-bidding in case the proposal does not satisfy its professional requirements.
27. Contract will be signed with the successful bidders and its terms and conditions will govern the executive of the contract.

## GENERAL TERMS AND CONDITIONS

Following are the details regarding request for quotation for CCTV CAMERAS.

Ser. #	Description / Specification	Qty.	Unit Rate (Rs.)	GST + Income Tax + any other applicable tax	Delivery Period	Total

Matrix to be filled by the bidder as per the instructions laid down here.

### General Terms and Conditions

Following are the General Terms and Conditions:

- The Authorized Dealers/Sole Agents/Authorized Distributors/Registered Firms who are registered with Federal Board of Revenue for Income Tax and Sales Tax and are active Tax payers are eligible to participate in the bidding.
- Bidding documents can be obtained from Accounts Branch Ayub Medical College Abbottabad during office hours on payment of Rs.1000/- for each item. (Non-Refundable).
- An amount equal to 02% of the bid price in shape of CDR as Bid Security in favour of Dean Ayub Medical College **must** be attached with the Financial Bid.
- The rates quoted by the Authorized Dealers/Sole Agents/Authorized Distributors/ Registered Firms shall be valid up to 30<sup>th</sup> June 2023. The supply orders will be issued as per requirement and demand from the concerned Department.
- The bidding procedure shall be **Single stage, two envelops** as per KPPRA rules 2014.
- The technical specifications and bid evaluation criteria are attached
- No conditional bid shall be acceptable.
- The terms and conditions mentioned in the tender notice are also part and parcel of this bidding document.

## BID EVALUATION CRITERIA FOR SKILL LAB MANIKINS

**The following documents are MANDATORY for considering the bid/tender:**

1. Last year Income Tax Return along with Serial number of ATL
2. Last year Sales Tax Return
3. Bank statement of the last three years.
4. Affidavit on Judicial paper stating that the Firm/Company of the bidder has never been blacklisted by any Govt. Department/Institution, Autonomous/Semi-autonomous body etc.
5. Warranty certificate (Minimum warranty of THREE YEARS of the item/product is mandatory)
6. A certificate mentioning conduction of demonstration and workshops for AMC staff

S. No.	Parameters	Detail/Supporting Documents	Total Marks	Remarks									
1	Company/Firm Profile	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3">Number of Govt. departments/institutions who were provided the same item during the last 5 years</td> </tr> <tr> <td colspan="3">2 marks for each supply order up to a maximum of 5 supply orders</td> </tr> </table>	Number of Govt. departments/institutions who were provided the same item during the last 5 years			2 marks for each supply order up to a maximum of 5 supply orders			10	Please attach copies of supply orders of the same item.			
Number of Govt. departments/institutions who were provided the same item during the last 5 years													
2 marks for each supply order up to a maximum of 5 supply orders													
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3">The company's workshop/office.</td> </tr> <tr> <td>i</td><td>Workshop/office</td><td>3</td> </tr> <tr> <td>ii</td><td>No Workshop/office</td><td>0</td> </tr> </table>	The company's workshop/office.			i	Workshop/office	3	ii	No Workshop/office	0	3	Please provide complete address along with phone Number for verification
The company's workshop/office.													
i	Workshop/office	3											
ii	No Workshop/office	0											
2	Product Quality Certifications	Valid International Product Quality Certifications of the respective product. 1.5 Marks for each certificate up to maximum of four certificates	06	Please attach the relevant certificates.									
3	Compliance with purchaser's specifications	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>i</td><td>100% compliance</td><td>10</td> </tr> <tr> <td>ii</td><td>80% compliance subject to Main Function is Not affected</td><td>5</td> </tr> <tr> <td>iii</td><td>Any additional feature other than specifications</td><td>2</td> </tr> </table>	i	100% compliance	10	ii	80% compliance subject to Main Function is Not affected	5	iii	Any additional feature other than specifications	2	12	Certificate from Original Manufacturer mentioning product specifications is required for verification (Compliance below 80% will be technically disqualified). Attach brochures
i	100% compliance	10											
ii	80% compliance subject to Main Function is Not affected	5											
iii	Any additional feature other than specifications	2											
4	Warranty	A minimum warranty of three years is mandatory <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>i</td><td>4 to 6 years warranty. Excluding mandatory warranty</td><td>3</td> </tr> <tr> <td>ii</td><td>7 to 9 years warranty</td><td>6</td> </tr> <tr> <td>iii</td><td>More than 9 years</td><td>12</td> </tr> </table>	i	4 to 6 years warranty. Excluding mandatory warranty	3	ii	7 to 9 years warranty	6	iii	More than 9 years	12	12	Bid without minimum required warranty shall be rejected.
i	4 to 6 years warranty. Excluding mandatory warranty	3											
ii	7 to 9 years warranty	6											
iii	More than 9 years	12											

5	After sale service	100% free service (except for spare parts) for one or more years <b>after expiry of warranty period</b> including trainings and workshops for AMC staff	10	Please attach an undertaking on Judicial Paper clearly mentioning about both components of After Sale Service			
		2 marks for each year of post warranty free service (except spare parts) up to maximum of 5 years					
		<table border="1"> <tr> <td>i</td><td>Ensuring 100% availability of spare parts + accessories + consumables for 10 or more years</td><td>5</td></tr> <tr> <td>ii</td><td>Ensuring 100% availability of spare parts + accessories + consumables between 5 to 10 years</td><td>2</td></tr> </table>	i		Ensuring 100% availability of spare parts + accessories + consumables for 10 or more years	5	ii
i	Ensuring 100% availability of spare parts + accessories + consumables for 10 or more years	5					
ii	Ensuring 100% availability of spare parts + accessories + consumables between 5 to 10 years	2					

**Total marks: 60**

**Qualifying marks:** Bids scoring **60% or more of 60** shall be declared as **Technically Responsive Bids.** The financial bids of technically responsive bids will be opened publicly at a time to be announced by the Procuring Agency and the financial bids of the technically nonresponsive shall be returned un-opened to the respective Bidders.

**Marks for Financial Bid: 40**

**Evaluation of the Financial Bid:**

Evaluation of the Financial Bid of Technically Responsive Bids shall be done as per following formula:

Bid quoting lowest price will get full marks i.e. 40

$$\text{Formula: } \frac{\text{Lowest Price}}{\text{Price of the bid under consideration}} \times 40$$

Merit Point Evaluation = Technical Evaluation Marks + Financial Evaluation Marks

Bid scoring highest marks on Merit Point Evaluation shall be considered as the Best Evaluated Bid.

## **BID EVALUATION CHECKLIST**

**Please fill this checklist and attach it with your Technical Bid:**

S.No	Parameter	Description	Detail of documents that MUST be attached	Yes	No
1	Mandatory Documents	Registration with FBR for Income and Sales Tax	Income Tax Return, Sales Tax Return and ATL attached		
		Bank statement	statement for the last one year attached		
		Blacklisting	Affidavit on Judicial paper attached		
		Warranty	Warranty certificate on Company Letterhead attached		
		Availability of Spare parts	A certificate on Company Letterhead ensuring 100% availability of spare parts		
2	Company/Firm Profile	Govt. departments / Institutions served	Copies of supply orders from Govt. departments/Institutions attached		
		Registration with Federal or any Provincial Govt Departments	Valid Registration Certificate attached		
3	Product Quality Certification	ISO and/or any other International Quality Certificate for the quoted product	Copies of the Quality Certificate(s) attached		
4	Compliance with Purchaser's Specifications	Compliance status	Product Brochure issued by the Original Manufacturer with highlighted specifications attached		
6	Warranty	Warranty Period	Copy of Warranty card/certificate attached		
7	After Sales Service	100% free service (except for spare parts for one or more years <b>after the expiry of warranty period</b> )	Written commitment on Firm/Company Pad		
		Ensuring 100% availability of spare parts for 5 or more years	Written commitment on Firm/Company Pad		

It is certified that the above-mentioned information and all the relevant documents are correct. In

case any of the above-mentioned information or attached documents are found false, the Procuring Entity has the right to take any action against the firm including confiscation of the bid security.

Name of the owner/representative:

Designation: \_\_\_\_\_

Signature: \_\_\_\_\_

Contact Number: \_\_\_\_\_

Office Stamp.

**Note: This checklist must be computer typed on the letter Head of the Company/Firm**

## GENERAL AND SPECIAL CONDITIONS OF CONTRACT

### A. LANGUAGE

All communications and documentations related to procurements shall be in English.

### B. BID SECURITY DEPOSIT (Where Applicable)

Unless otherwise agreed between the Procuring entity and the Supplier, the later shall deposit with the Procuring Entity a sum equal to 2% of the total value of the goods detailed in the said Schedule at 'C'.

### C. PLACE AND TIME OF DELIVERY

- I. The Supplier/Vendor/bidder shall as may be required by the Procuring entity either deliver free at, places detailed in the said Schedule, the list and Quantities of the goods detailed herein and the goods shall be delivered out not later than the dates specified.
- II. With penalty @ 0.067 % per day after 90 days of Purchase Order in case of imported items and 30 days in case of local items.

#### *(i) Delivery Schedule*

Ser. #	Item /	Date of	Place of	Verification	Acceptance
	Deliverable	delivery	delivery		

### D. VARIATIONS / REPEAT ORDERS

The Procuring entity may during the execution of the Contract, by notice in writing may direct the supplier to alter, amend, omit, add to or otherwise vary any part of the Schedule, in agreement with the Service Provider, and the Service Provider shall carry out such variations and be bound by the same conditions. Provided that repeat orders are within a period of six months, and that it does not exceed fifteen percent of the original contract value as per KPP Rules 2014.

### E. INSPECTION of Goods on Delivery (whole applicable)

The goods shall be inspected by the inspecting team of the Procuring entity for quality/quantity etc. at the agreed location/warehouse of the Procuring

entity before the goods are provided/supplied at their final destination.

Inspection of goods shall be conducted without prejudice to the buyer's right to lodge quantity and quality claims. In case the goods are not found in conformity with the contracted quality/specifications, procuring entity shall have the right to lodge claims within 30 days from the date of inspection of the goods.

In case of dispute by the supplier, joint re-inspection of the supplied material shall be carried out, at the cost of the supplier, in presence his or his authorized representative either at a laboratory designated by the procuring entity or by a neutral independent entity as jointly agreed.

## F. PACKAGING

Material/works/service should be packed suitably in appropriate wooden/metallic boxes/containers/pallets in such a manner that the goods are not lost or damaged in handling/transportation and the packing should be suitable enough to reach at the stores of procuring entity safely.

Each pack or container should clearly indicate the following information:

- Purchase Order Number and date.
- Name of Product/Deliverable.
- Quantity
- Gross and net weights
- Name of Manufacturers/service providers

Manufacturer's instructions regarding the maximum storage life of the product and the storage conditions must be followed.

Material/works/service should be delivered at the stores of procuring entity in original packing of the manufacturer.

Where applicable, manuals containing instructions of the manufacturer about the application (in use) of the item should be provided in English. If required by Procuring entity, technical experts should be sent by the manufacturer for application of the item at site.

## G. PERFORMANCE BANK GUARANTEE

**Successful bidders shall furnish a Performance Bank Guarantee of 10% of value of Purchase Order/Tender price/Contract on the Performa prescribed provided that the guarantee is issued by any of the approved Banks within 20 days of issuance of the letter of acceptance. The performance guarantee shall remain valid throughout the execution of purchase order/contract and shall be returned within 10 days after the expiry of warranty period and satisfactory performance**

**If such Guarantee is issued by a foreign bank, it should be countersigned by a Pakistani bank on the approved list of banks.**

## **FORFEITURE OF PERFORMANCE BANKGUARANTEE**

The Performance Bank Guarantee will be forfeited if the service provider fails to deliver or supply goods in accordance with the terms and conditions of the Purchase Order or commits any breach of the Contract / Purchase Order.

## H. PAYMENT CLAUSE

Payment shall be made on production of the following documents: -

- a. The Supplier/Vendor submits manually signed invoice in triplicate certifying that merchandise supplied is in accordance with the contract.

The invoice must show the Purchase Order No.\_\_\_\_\_, Material Receiving Report No.\_\_\_\_\_, and Acceptance Note No.\_\_\_\_\_, with date, price/rate of each item.

- b. Material/Deliverables Receiving Report (in original) signed by the Authorized Representative of Procuring entity in acknowledgement of having received all supplies/deliverables in accordance with the Purchase Order/Contract Agreement.
- c. Authenticated sales tax invoice in original as prescribed in the Sales Tax Act 1990 (where applicable).
- d. Valid Income Tax Exemption Certificate (otherwise Income Tax at current applicable rates shall be deducted from the invoice). (where applicable)
- e. National Tax Number.
- f. Sales Tax Registration Number.
- g. Certificate in original issued by any one of the Independent Inception (where applicable).
- h. Bank Account Number and Branch.
- i. Recovery of all applicable taxes at source should be made as per rules
- j. Certificate from procuring entity stating Goods as per standard / professional requirement (format given below).

### **Liquidation damages / penalty**

- I. Wherein the Supplier entirely fails to complete deliveries as per purchase order and within the stipulated time frame specified in the Schedule of Requirements, the action will be taken as per blacklisting manual of AMC.
- II. In case of late delivery of goods beyond the periods specified in the Schedule of Requirements and subsequent purchase order, a penalty @ 0.067% per day and maximum of 10% of the cost of the supply order shall be imposed upon the Supplier.
- III. vi) Extension in the delivery period (if any) will be considered by the Purchaser on case to case basis and strictly in accordance with the Rules of Khyber Pakhtunkhwa Procurement of Goods, Works and Services Rules, 2014.

## **K. OBLIGATIONS AND OPTIONS IN CASE OF NON-FULFILMENT OF CONTRACTUAL OBLIGATIONS BY THE SUPPLIER**

The supplier shall perform services in accordance with recognized standards, applicable laws and regulations.

The suppliers shall appoint a focal person who shall coordinate with procuring entity at all times during the execution of the project (representing consultant firm /organization). The Project Coordinator shall have the qualifications as may be agreed between the client and the consultant.

The supplier shall carry out the services with due diligence and efficiency and in conformity with sound practices.

The supplier shall act at all times so as to protect the interests of the Client and shall take all reasonable steps to keep all expenses to a minimum consistent with sound economic and other practices. The supplier shall furnish the Client such information relating to the Services as the Client may from time to time reasonably request.

Except with the prior written approval of the Client, the supplier shall not assign or transfer the Agreement for Goods or any part thereof nor engage any other independent supplier or sub-contractor to perform any part of the services without prior consent of the service providers

The supplier agrees that no proprietary and confidential information received by the supplier from the Client shall be disclosed to a third party unless the supplier receives a written permission from the Client to do so.

Procuring entity may take any of the following actions if after the placement of the Purchase Order the supplier fails to deliver the goods within the prescribed period, according to the specifications, quantities and other terms and conditions given in the Purchase Order/Contract agreement:-

Recover from the supplier as stipulated in the relevant purchase order/contract agreement, equivalent to 0.067% per day (2% per month) of the total value of contract in case of failure to deliver as per agreed timelines, provided that the total penalty shall not be imposed beyond maximum of 10% of the total contract value.

Purchase from any other source, at the risk and cost of the supplier, the goods not delivered or other goods of equivalent specifications, without canceling the Purchase Order/contract agreement;

Cancel the Purchase Order/contract agreement at supplier's risk and cost. In such case, Procuring entity reserves the right to take any action against supplier which it may deem fit under the circumstances including the blacklisting of the supplier; or

Recover any consequential losses/damages incurred by procuring entity by withholding any or all amounts otherwise due to the supplier against this or any other Purchase Order/ Contract.

## **L. DISPUTES AND CONTROVERSIES/DISPUTE RESOLUTION**

Procuring Entity shall constitute a Committee consisting of odd number of persons with proper powers and authorizations to redress complaints of bidders that may arise prior to issuance of Purchase Order/contract agreement, in accordance with the KPP Rules 2014.

If a bidder is not satisfied with the decision of the Committee he may take recourse to the KPK PPRA.

The mere fact of lodging a complaint shall not warrant suspension of procurement process.

Any dispute or difference arising out of the Agreement which cannot be amicably settled between the Parties, shall be finally settled by PPRA whose decision will be final and binding on both the parties

## **M. INDEMNITY**

The supplier shall at all times indemnify the procuring entity against the claims which may be made in respect of the goods for infringement of any right protected by patent, registration of design or trade mark and shall take all risks of accident or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for the sufficiency of all the means used by him for the fulfillment of the contract; provided always that in event of any claim in respect of an alleged breach of a patent registered design or trade mark being made against the procuring entity, it shall notify the supplier of the same and the supplier shall be at liberty at his own expense to conduct negotiations for settlements of any litigation that may arise there from.

## **N. SUB-LETTING CONTRACT**

The supplier shall not sub-let or assign this Contract or any part thereof without the written permission of the procuring entity. In the event of the Service provider subletting or assigning this Contract or any part thereof without such permission, the procuring entity shall be entitled to cancel the Contract and to purchase the goods elsewhere on the supplier account and risk and the supplier shall be liable for any loss or damage which the procuring entity may sustain in consequence of arising out of such purchase.

## **O. BRIBES COMMISSION ETC.**

Any bribe, commission, gift or advantage given, promised or offered by or on behalf of the Contractor or his partner, agent or servant, or any one on his or their behalf to any officer, servant, representative or agent of the procuring entity or any person on its behalf in relation to the obtaining or to the execution of this or any other contract with the procuring entity, shall in addition to any criminal liability which he may incur, subject the contractor to cancellation of this and all other Contracts and also to payments of any loss or damage resulting from such cancellation to the like extent as is provided in cases cancellation under clause 8 hereof; and the procuring entity shall be entitled to deduct the amounts so payable from any moneys, otherwise due to the supplier under this or any other Contract. Any question or dispute as to the commission of any offence under this clause shall be settled by the procuring entity in such manner as it shall think fit and sufficient, and its decision shall be final and conclusive.

## **P. TERMINATION (End of Services)**

The Agreement shall terminate when, pursuant to the provisions hereof, the Services have been completed and full and final payment has been made.

### **Termination by the Client**

The Client may, by a written notice of thirty (30) days to the supplier, terminate this Agreement. All accounts between the Client and the Service provider shall be settled not later than sixty (60) days of the date of such termination.

### **Termination by the Supplier**

The supplier may suspend the Agreement by a written notice of thirty (30) days only if the supplier does not receive payments due under this Agreement within thirty (60) days of submission of its invoice. If the payment is still not made to the supplier after thirty (30) days of notice of suspension, the Supplier/Vendor may terminate this Agreement in whole or in part by giving

fifteen (15) days advance notice of intent to terminate. If the Agreement is terminated by the supplier under such circumstances, the Procuring entity shall pay, within a period of thirty (30) days of the date of such notice of intent to terminate referred above, all payments due to the supplier.

## **Q. FORCE MAJEURE**

The term "Force Majeure" as employed herein shall mean acts of God, strikes, lockout or other industrial disturbances, acts of public enemy, wars, blockades, insurrection, riots, epidemics, landslides, earthquakes, storms, lightning, floods, washouts, civil disturbances, explosions and any other similar events, not within the control of either Party and which by the exercise of due diligence neither Party is able to overcome.

If either Party is temporarily unable by reason of Force Majeure to meet any of its obligations under the Agreement, and if such Party gives to the other Party written notice, of the event within fifteen (15) days after its occurrence, such obligations of the Party, as it is unable to perform by reason of the event, shall be suspended for as long as the inability continues. Neither Party shall be liable to the other Party for loss or damage sustained by such other Party arising from any event referred to as Force Majeure or delays arising from such event. Force Majeure shall not include insufficiency of funds or failure to make any payment required under the Agreement.

## **R. APPLICABLE LAWS**

This Agreement shall, in all respects, be read and construed and shall operate in conformity with the KPPRA Act 2012 and KPP Rules 2014.

## **S. CONTRACT AMENDMENT**

No variation in or modifications to the terms of the Agreement shall be made, except by a written amendment signed by the Parties hereto.

## **T. NOTICES**

Any notice given by any of the Parties hereto shall be sufficient only if in writing and delivered in person or through registered mail as follows:

To: The Client

To: The Supplier -----

or to such other address as either of these Parties shall designate by notice given as required herein. Notices shall be effective when delivered.

## PURCHASE ORDER / CONTRACT AGREEMENT

The purchase order is the simplest form of contract for procurement between the procuring entity and the supplier. It is used to form a contract by accepting the successful bidder's quotation, where no contract award notice or detailed contract document is required. The purchase order defines the goods to be supplied, the price to be paid for the goods, works or services and the delivery period required.

2 The purchase order shall carry the following information:

- The name of the supplier;
- The date of issue of the Purchase Order;
- The delivery address;
- The name of the procuring entity purchasing the items;
- The Purchase Order Number;
- The quantity of each item required;
- Any part or pattern number for each item;
- A brief description of each item;
- The unit cost or rate for each item; and
- The delivery period and whether the delivery is to be made in lots.

3 For detailed contract agreement, tender notice condition shall be fulfilled.

## **Technical Specifications and Quantity of Manikins for Skill Lab**

### **Package 1**

<b>PEDIATRIC</b>			
<b>S.No</b>	<b>Item Name</b>	<b>Qty</b>	<b>Specifications</b>
1	<b>Infant ACLS simulator</b>	<b>01</b> <b>No</b>	<ul style="list-style-type: none"> <li>The simulator should contain the features for airway management, pulse check, gastric intubation, cardiopulmonary resuscitation, heart and lungs sounds auscultation.</li> <li>Airway management should include airway maneuver, positive pressure ventilation, intubation and suction.</li> <li>Simulated arteries (femoral, brachial and radial) pulsation.</li> <li>Gastric intubation should detect tube position by means of auscultation; can practice gastrointestinal decompression, nasal feeding, gastric lavage.</li> <li>CPR should include ventilation by mouth to mouth/nose, with face shield and bag valve-mask and notable chest movement.</li> <li>It should indicate correct inflation volume, correct compression depth, position and frequency and correct compression to respiration ratio.</li> <li>It should simulate auscultation and recognize normal and abnormal heart sound, breath sound.</li> </ul>
2	<b>Pediatric multivenous IV Arm Trainer</b>	<b>02</b> <b>Nos</b>	<p>Pediatric upper arm left or right with distant anatomical landmark for intravenous approach at antecubital fossa, dorsum of hand</p> <ul style="list-style-type: none"> <li>The landmark should simulate all veins necessary for intravenous approach.</li> <li>The landmark especially the veins should simulate real appearances of a pediatric upper arm for palpating, accessing/ selecting, inserting, withdrawing, maintaining and removing intravenous line/needle for sampling or intravenous infusion.</li> <li>It should also simulate IV lines care/dressing, assessment, rotation at site.</li> <li>It should contain (extra) fluid tubing mechanic</li> <li>It should also contain consumable/reusable artificial blood, lifelike silicon durable skin (extra too), infusion bottles and pumps, disposable syringe, cannula and infusion drip sets of different properties and other necessary items.</li> <li>The supplier ensure the availability of accessories and consumables.</li> </ul>

			The mannikin should: <ul style="list-style-type: none"> <li>• Have anatomical landmark for identifying, palpating (bony marks), inserting needle and draining artificial CSF.</li> <li>• Have properties like soft, durable and able to reposition.</li> <li>• Have at least two types of attachable pads with different spinal canal depths.</li> <li>• Provide resistance to the needle tip simulating a true-life experience</li> <li>• Enable the trainee to measure CSF pressure.</li> <li>• Not have any electronic component.</li> <li>• LP needles of varying properties.</li> <li>• Artificial CSF fluid, container/bottles, syringes</li> <li>• Attachable pads and skin piece.</li> <li>• The supplier ensure the availability of accessories and consumables.</li> <li>• CSF mechanism should be replaceable, durable and withstand the multiple needle insertion.</li> </ul>
3	<b>Paediatric Lumber puncture Manikin</b>	<b>02 Nos</b>	

## Package 2

<b>CARDIOLOGY</b>			
<b>S.No</b>	<b>Item Name</b>	<b>Qty</b>	<b>Specifications</b>
1	<b>Adult ACLS Simulator</b>	<b>01</b> <b>No</b>	<ul style="list-style-type: none"> <li>• The simulator should possess anatomical landmark for difficult airway, head, neck, chest, both upper arm (if possible pelvic and both lower limbs)</li> <li>• The chest should simulate anatomical landmark for heart and lungs sounds, chest tube insertion, identify arteries, veins in the arm and site for intramuscular injection.</li> <li>• The head and neck features should allow an instructor to simulate the steps of a difficult air way management, like clearing obstructed airway, suctioning, endotracheal and nasotracheal intubation, surgical and needle cricothyrotomy.</li> <li>• The chest should simulate normal and abnormal heart and lungs sounds, allow an instructor to demonstrate manual chest compression, ECG leads placement, defibrillation, synchronized cardioversion, chest tube insertion for pneumothorax decompression.</li> <li>• The upper arm should allow an instructor to simulate the vital recordings like brachial, radial, pulse, blood pressure measurement and intravenous line placement subcutaneous and intramuscular injection for therapeutic purpose.</li> <li>• The skin should differentiate into cutaneous and subcutaneous part.</li> <li>• The skin of the simulator should be lifelike and replaceable, for example, after multiple needle insertion, the skin texture and properties should not deteriorate.</li> <li>• The skin of chest, both upper arms should be replaceable.</li> <li>• Can be via a separate module or via a software installed in a window operating system having audio visual responses.</li> <li>• For wrong chest compression, wrong intubation, wrong lead placement should give instant beep/alarm.</li> <li>• Should indicate chest compression rate, depth, correct or wrong key events.</li> <li>• Should have ECG display with simulated normal and abnormal ECG pattern, heart rate, blood pressure, blood saturation and instant alarm system for danger sings or wrong placement of ECG lead/cuff/oximeter.</li> <li>• Software/application should be inbuilt (resetting should</li> </ul>

			<p>not format/delete the software)</p> <ul style="list-style-type: none"> <li>• Software should display all the features of key events mentioned above</li> <li>• Software should have axillary access for at least 10 trainees simultaneously while the principal software (for instructor) should have a leader bord/trainee log, displaying the key events of trainees.</li> <li>• The software should simulate normal and abnormal heart/lung sound with or without clinical scenarios.</li> <li>• Durable and re-attachable skin.</li> <li>• ET tubes of different size and laryngoscope of different blades.</li> <li>• Disposable syringes/needles/ tubes for cricothyrotomy, chest decompression, IV-line set.</li> <li>• Blood pressure measuring instruments and stethoscopes.</li> <li>• ECG leads (12) and pulse oximeter.</li> <li>• A monitoring display or accessories for connection to an any Computer.</li> <li>• The supplier ensure the availability of accessories and consumables.</li> </ul>
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### Package 3

#### MEDICINE

S.No	Item Name	Qty	Specifications
1	<b>Adult manikin for NG tube and tracheal care trainee</b>	<b>02 Nos</b>	<p><b>It should contain:</b></p> <ul style="list-style-type: none"> <li>• Anatomical landmarks of head features, trachea, esophagus, simulated lungs and stomach</li> <li>• Lungs and stomach should be fillable with air and fluid respectively for realism.</li> <li>• 4Features of tracheostomy care.</li> <li>• Features of endotracheal care.</li> <li>• NG and feeding tube insertion/placement and removal through nasopharyngeal and oropharyngeal route; Ensuring step of gastric lavage, gavage and suctioning.</li> <li>• Accessory items like NG ad feeding tubes of different size/ properties</li> <li>• The supplier ensure the availability of accessories and consumables.</li> </ul>
2	<b>Male and female catheterization/Enema simulator</b>	<b>01 No</b>	<p><b>It should contain:</b></p> <ul style="list-style-type: none"> <li>• Anatomical landmark of both, male and female (interchangeable genitalia pelvis, pelvic cavity, perianal features).</li> <li>• Palpable bladder when filled with artificial urine.</li> <li>• Anatomical landmark for suprapubic catheterization; bladder palpation, site location, catheter placement, simulated fluid aspiration/drainage and site care.</li> <li>• Genitalia interconnecting with artificial fluid tanks/reservoir and should able a trainer to demonstrate, perform and maintain perineal care; vaginal, urinary catheter insertion, enema medication/administration.</li> <li>• Extra/replaceable tubing (irrigation or drainage tubes) mechanism with connectors between genitalia and bladder/rectum.</li> <li>• Bottles, clamps, tubes, reservoirs, skin pads</li> <li>• The supplier ensures the availability of accessories and consumables.</li> </ul>
3	<b>Advance multipurpose Training Arm (adult)</b>	<b>04 Nos.</b>	<p><b>It should:</b></p> <ul style="list-style-type: none"> <li>• Be either upper arm with all important anatomical landmark for palpable</li> </ul>

			<p>arteries, veins and bony marks (&amp; Deltoid muscle). These anatomical landmarks should allow the instructor or palpate, place, insert and withdraw fluid for sampling or maintaining Iv line (IV therapy)</p> <ul style="list-style-type: none"> <li>• Also have the features of intravenous line (site) care, dressing, assessment rotation.</li> <li>• Contain replaceable fluid mechanism (tubing)</li> <li>• Contain inbuilt feedback mechanism with like for correct, incorrect needle insertion, fluid drawing, and wrong contact.</li> <li>• Contain reusable/consumable artificial blood lifelike silicon durable skin, infusion bottles and pumps, disposable syringe, cannula of different size and other necessary consumable items.</li> <li>• The supplier ensures the availability of accessories and consumables.</li> <li>• The item should contain extra tubing, replaceable fluid mechanism</li> </ul>
4	<b>Central Venous Cannulation Insertion mannikin</b>	<b>01</b> <b>No</b>	<ul style="list-style-type: none"> <li>• A manikin with head, neck, chest, upper arm for importing skills of central venous catheterization (anatomical landmarks for palpating, identifying structures like subclavian (axillary), internal jugular and supraclavicular, cannula insertion and site care) with instant/simultaneous feedback for correct or wrong positioning by aspiration of fluid.</li> <li>• The skin or pad of manikin should be frictionless and withstand repeated insertion without leaving needle marking on its surfaces.</li> <li>• Carotid arteries should be palpable.</li> <li>• The arrangement of arteries and veins should be anatomically correct.</li> <li>• The manikin should withstand the properties so that ultrasound guided CVC can be done</li> <li>• Should include coloring powder or fluid, sampling needle, CVC kit-reusable.</li> <li>• The supplier ensures the availability of accessories and consumables.</li> </ul>

## Package 4

### SURGERY

S.No	Item Name	Qty	Specifications
1	<b>Simulators for Proctoscopy and DRE</b>	<b>04 No</b>	<ul style="list-style-type: none"> <li>• Trainer should contain following features.</li> <li>• It should be designed for training in palpation to identify rectal tumors, polyp, prostate and endocervix.</li> <li>• Life like rectum is palpable upto 7cm depth.</li> <li>• High fidelity sphincter resistance and feeling of rectum wall allows excellent hands on DRE training before examining actual patient.</li> <li>• Training Skills/ Applications</li> <li>• Rectal palpation</li> <li>• Case/ Pathology</li> <li>• 1 normal/ 2 rectal cancer</li> <li>• 1 rectum with polyp</li> <li>• 1 rectum with enlarge prostate</li> <li>• 4 interchangeable rectum units for identification of lesion types</li> </ul>
2	<b>Suturing &amp; stapling practice arm model</b>	<b>04 Nos</b>	<p>This Trainer should contain following features.</p> <ul style="list-style-type: none"> <li>• It should simulate realism in sense of moving fingers, wrist and allow uneven surfaces for challenging sutures/ possibility of training for more complex suturing</li> <li>• Skin and subcutaneous tissues should differentiate for realistic experiences and have atleast 5 replaceable (extra) pads/ skin piece.</li> <li>• It should have incisional material so that the instructor can inflicts wound, customize its shape or size independently.</li> <li>• The cut can be sutured or stapled multiple time without losing the material quality.</li> <li>• The item should also include subsets of suture staple related devices or instrument like scissor needle or needle holder.</li> <li>• The supplier ensures the availability of accessories and consumables.</li> </ul>
3	<b>Spine board stretcher</b>	<b>02 Nos</b>	<p>For an adult and child.</p> <ul style="list-style-type: none"> <li>• A spine board for handling/stabilization a suspected spine, hip, pelvic injured patient, stabilization in a pre-hospital trauma care by providing rigid support</li> <li>• The board should contain at least 3 stripes for securing the patients and imparting the sense of security and immobilization.</li> <li>• It should minimize patient movement during lifting and transport.</li> </ul>

## PACKAGE 5

<b>GYNECOLOGY</b>			
<b>S.No</b>	<b>Item Name</b>	<b>Qty</b>	<b>Specifications</b>
1	<b>Advance Birthing Simulator</b>	<b>01 No</b>	<p>This simulator should contain following features.</p> <ul style="list-style-type: none"> <li>• An advanced birthing simulator for skill training of normal and complicated deliveries and obstetric emergencies management.</li> <li>• An adult female with all body parts or head, thorax, arms, abdomen, pelvis, pelvic cavity and both things, having anatomical landmark for breast examination, obstetrical and gynecological examination of a simulated 3<sup>rd</sup> trimester pregnancy with a infant and manual birthing mechanism all of which gives experience of a real patient.</li> <li>• Airway management (intubation, ventilation with manual chest compression)</li> <li>• Should allow obstetric and gynecological examination like (palpation, auscultation, assessment) fetal position, presentation and intrauterine manipulation.</li> <li>• Should simulate vaginal, cesarean, forceps-assisted and vacuum assisted deliveries.</li> <li>• Should simulate breech deliveries (complete/incomplete footling and frank)</li> <li>• Should simulate different stages of cervical dilation</li> <li>• Should simulate umbilical cord care, clearing airway of newborn by suctioning of mouth/nose.</li> <li>• Should simulate complication of deliveries/pregnancy like post-partum care, shoulder dystocia maneuverers, placenta previa (total, partial, marginal), umbilical cord prolapse, obstructed baby, membrane rupture and features of for episiotomy.</li> <li>• Should simulate at least six maneuverers like Pinard, Leopold Wood, Prague Rubin I, II and Gaskin.</li> <li>• Pelvic organ/items should be detachable.</li> <li>• The manikin should not have any electronic components or software enabled features.</li> <li>• Must accompany with the serial no 3, 4, 5, 7, 8, 9.</li> <li>• The supplier ensures the availability of accessories and consumables.</li> </ul>
2	<b>Advanced Neonatal Resuscitation Simulator</b>	01 No	<ul style="list-style-type: none"> <li>• A neonatal manikin with advanced features for airway management, CPR, ET tube, LMA and orogastric tube insertion and intravenous/arterial line access.</li> <li>• Airway management includes with head maneuverers, ET tube intubation, LMA insertion or orogastric tube insertion.</li> <li>• Suction of aspirated (simulated) gastric, tracheal fluids.</li> </ul>

		<ul style="list-style-type: none"> <li>• Positive pressure ventilation via Ambu bag, T-piece resuscitator with feedback for correct/wrong key events.</li> <li>• Feedback of key events of airway management like distention stomach and bubble sound over stomach accessed via any stethoscope.</li> <li>• Brachial &amp; femoral artery pulse points.</li> <li>• Chest movement: raising during inhalation and falling during exhalation and feedback for appropriate depth, force counts.</li> <li>• intraserosus Iv lines, umbilical vein/artery line placement, tracheostomy, stomas care, pneumothorax management/ care.</li> <li>• Via inbuilt software, the application of which is not separately purchasable and is connected/installed in any window operating system.</li> <li>• With audio-visual and physically seeable (on manikin) simulating a real expression.</li> <li>• The manikin should contain accessories like manual booklets, ET, LMA, orogastric tubes of different properties, ambo bags, T-piece resuscitator of different properties intubation Kit, and artificial blood for intravenous umbilical line placement.</li> <li>• The supplier ensures the availability of accessories and consumables.</li> <li>• It will be prioritized if the manikin has feature for nasogastric tube insertion, gastric gavage, lavage, NG tube securing.A neonatal manikin with advanced features for airway management, CPR, ET tube, LMA and orogastric tube insertion and intravenous/arterial line access.</li> <li>• Airway management includes with head maneuverers, ET tube intubation, LMA insertion or orogastric tube insertion.</li> <li>• Suction of aspirated (simulated) gastric, tracheal fluids.</li> <li>• Positive pressure ventilation via Ambu bag, T-piece resuscitator with feedback for correct/wrong key events.</li> <li>• Feedback of key events of airway management like distention stomach and bubble sound over stomach accessed via any stethoscope.</li> <li>• Brachial &amp; femoral artery pulse points.</li> <li>• Chest movement: raising during inhalation and falling during exhalation and feedback for appropriate depth, force counts.</li> <li>• intraserosus Iv lines, umbilical vein/artery line placement, tracheostomy, stomas care, pneumothorax management/ care.</li> <li>• Via inbuilt software, the application of which is not separately purchasable and is connected/installed in any window operating system.</li> <li>• With audio-visual and physically seeable (on manikin)</li> </ul>
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			<p>simulating a real expression.</p> <ul style="list-style-type: none"> <li>• The manikin should contain accessories like manual booklets, ET, LMA, orogastric tubes of different properties, ambo bags, T-piece resuscitator of different properties intubation Kit, and artificial blood for intravenous umbilical line placement.</li> <li>• The supplier ensures the availability of accessories and consumables.</li> <li>• It will be prioritized if the manikin has feature for nasogastric tube insertion, gastric gavage, lavage, NG tube securing.</li> </ul>
3	<b>Gynecologic skills trainer</b>	<b>01 Nos</b>	<ul style="list-style-type: none"> <li>• Gynecologic skill trainer should have to provide invaluable experience on various gynecologic procedures. For example, bimanual examinations, vaginal examination, cervical screening, visual recognition of normal and abnormal cervices, practice catheterization.</li> <li>• It should have multiple interchangeable uteri to teach specific skills to all training levels including: normal, small, enlarged, bicornate, myomatous, anteversion, anteflexion uterus. Stretched uterus with removable myoma.</li> <li>• 6 interchangeable cervices for visual recognition of normal and abnormal characteristics including: Nulliparous or para 0, Multiparous, Cervical erosion, Cervical dysplasia, carcinoma, Barrel-shaped carcinoma.</li> <li>• Interchangeable uteri for recognizing pathologies by hysteroscopic viewing including: uterus with healthy characteristics, advanced carcinoma, fundus carcinoma, polyposis, varied polyps, hyperplasia subseptate uterus, myomatous uterus, uterus with early carcinoma,</li> <li>• Lifelike material supports realistic practice of suturing fistulous tracts</li> <li>• The multiple interchangeable uteri, 6 interchangeable cervices and different pathological pads should be of good quality and provided with an extra set</li> <li>• The supplier ensures the availability of accessories and consumables.</li> </ul>

## PACKAGE 6

<b>Pharmacology</b>			
1	<b>Inhaler simulator or trainer</b>	04 No	<ul style="list-style-type: none"> <li>• A trainer for effective inhaler training techniques on metered dose inhaler and dry powder with an audio-visual feedback electronic device.</li> <li>• For practicing verbal instruction and demonstrating hand/breath coordination with instant feedback on the use of technique and breathing like inspiratory acceleration and flow rate, breathe holding time.</li> <li>• The trainer should have artificial/ placebo medication</li> <li>• The trainer should not be consumptive expect for the placebo medication.</li> <li>• It should be used with portable spacers.</li> <li>• The accessories items should contain spacer device, placebo medication.</li> <li>• The supplier ensures the availability of consumables.</li> </ul>
2	<b>Human Eye Ball Model</b>	01 No	Model of human eye identifies cornea, iris, pupil, lens, ciliary muscle, zonules, sclera, choroid, vitreous humor, retina, macula, optic disc and optic nerve. Opens for inner exploration. When soft foam, model is split, one slide show the name of each part.
3	<b>Human eye simulator</b>	01 No	A simulator mimicking pupils' physiological response to light and dilatation and constriction with different pharmacological drugs like Atropine and Tropicamide. It can be a model or an electronic device enabled with power.

## PACKAGE 6

### EYE

1	<b>Eye examination software + Hardware</b>	<b>01</b>	<p>This Software should:</p> <ul style="list-style-type: none"><li>• Include training and testing modules to practice and evaluate ophthalmoscopy technique</li><li>• Enable trainees for normal eye examination and identifying posterior segment eye's pathologies.</li><li>• Have database of at least 200 images showing normal and pathological eye conditions.</li><li>• Have annotated with hide/show option for annotation.</li><li>• Allow instructor to highlight specific characteristics of pathologies in the region student is viewing to enhance student-instruction interactions</li><li>• Be usable for assessment purpose.</li><li>• Be connectable to a central module with instrumented ophthalmoscope.</li><li>• Be compatible with any operating system (Specially windows and android)</li><li>• Have an interface for principal/primary user and android or smartphone for (at least 15) secondary users.</li><li>• The software package should include lifetime institutional license agreement with minimum charges.</li></ul>
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