

Baba Farid University of Health Sciences, Faridkot

E-TENDER NOTICE FOR supply & installation of Skill Lab Equipment for GGS Medical College and Hospital

E-Tender Form

(E-Tender enquiry for Supply and Installation of Skill Lab Equipment in the GGS Medical College & Hospital, Faridkot)

Tender Notification No :	To be provided by the E-procurement portal of the Govt. of Punjab.
Tender Notification Date:	01.09.2022
Requirement	E-Tender notice for supply and Installation of Skill Lab Equipment
Cost of the tender document:-	Rs.2360/- (Non-refundable) to be deposited through Online Mode Only in favor of Registrar, Baba Farid University of Health Sciences, Faridkot.
Tender Processing Fee	To be charged by Govt. of Punjab as per its norms. (Non- refundable)
Earnest Money Deposit (EMD)	As per scope of supply. The Earnest Money Deposit must be submitted in the shape of Online Payment in favor of Registrar, Baba Farid University of Health Sciences, Faridkot on or before due date (Refundable to the Non-successful bidders, without any type of interest or other charges). In case of successful tenderer, it will be returned after receipt of the security amount as per tender terms and conditions.
Date of start of downloading of tender documents	Immediate from the website of the Punjab Government i.e. https://eproc.punjab.gov.in
Website for downloading of the tender document:-	https://eproc.punjab.gov.in However, the details may also be obtained from the University website i.e. www.bfuhs.ac.in and college website www.ggsmch.org
Last date for downloading of the tender document:-	06.10.2022 up to 12.30 pm
Last date & time for uploading of the tender documents:-	06.10.2022 up to 1.30 pm (through online mode only)
Date, time and venue for opening of the Technical Bids	By the next day from the last date of submission of tenders (by 5:00 p.m.) on the e- procurement portal of the Govt. of Punjab. However the bidder or their authorized agents / representative may attend the tender opening process at the University Procurement & Facility Department, Baba Farid University of Health Sciences, Faridkot on the prescribed time and date.
Date, time and venue for opening of the Price Bids	The opening date of financial bids of the technically qualified bidders will be informed on the university web site, e- procurement portal of the Govt. of Punjab. However the bidder or their authorized agents / representative may attend the tender opening process at the University Procurement & Facility Department, Baba Farid University of Health Sciences, Faridkot on the prescribed time and date. The University authorities will have right to decide any other date and time for the opening of the Financial bids.
Who can be contacted for obtaining more information about the tender.	Principal, Guru Gobind Singh Medical College & Hospital, Sadiq Road, Faridkot. 01639-251111, 98773-65600, 94655-13138 E-mail: procurement@ggsmch.org ggsmc@punjab.gov.in , (on all working days from 9.00 a.m. to 5.00 p.m.)

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NOTICE INVITING E-TENDER

E-Tenders are invited on or before **06.10.2022** from manufacturers or their authorized agents/distributors **for supply and Installation of Skill Lab Equipment required at GGS Medical College & Hospital, Faridkot.** The tender document containing detailed terms & conditions may be downloaded from the E-procurement website of the Punjab Government i.e. <https://eproc.punjab.gov.in> and its detail may also be seen at the University website www.bfuhs.ac.in and college website www.ggsmch.org

TERMS AND CONDITIONS:-

1. The tender must be uploaded on or before the last date/ time of the submission of tender.
2. The Tender processing fee should be submitted through Net Banking/Credit card/Online mode only and as per Punjab Govt.
3. The **tenders will be opened online** by the next day on the website i.e. <https://eproc.punjab.gov.in> at the, Baba Farid University of Health Sciences, Faridkot. The bidder(s) shall be at liberty to be present, in person or through their authorized representative(s) at the time of opening of the tender as specified in the Tender Notice. In case the authorized representatives are to be present, they must furnish the authority letter from the bidder (s), on whose behalf they are representing otherwise they will not be allowed to participate in the process of opening of tender.
4. **The Price bids of technically qualified bidders will be opened** n the website i.e. <https://eproc.punjab.gov.in> at, Baba Farid University of Health Sciences, Faridkot. In case of any change of date and time it will be notified to the technically qualified bidders through E-mail/telephone.
5. The Registrar/Principal reserves all rights to accept or reject any or all the tenders without assigning any reason.

Registrar

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INSTRUCTIONS/ GUIDELINES TO THE TENDERERS

1. The bidder needs to register himself/ herself on <https://eproc.punjab.gov.in> the bidder is also required to obtain Class III digital signature certificates to complete this process.
2. Please download the Tender document from the website of e-procurement of the Govt. of Punjab <https://eproc.punjab.gov.in> Please fill all the relevant blanks on all the pages of the tender document sign along with a stamp/ seal all pages and then a scanned copy of the same may be uploaded on the website at the time of submission of the tender document.
3. **It should be clearly noted that this tender will be accepted though e-tender mode only.** The tenders submitted through offline mode will not be accepted under any circumstances.
4. **Tender Fee :** as per Govt. and should be deposited through online mode only
5. **Tender Processing Fee:** as per Punjab Govt. (non-refundable) may be deposited through online mode i.e. Net Banking/ Credit Card/ Debit Card only. The tender processing fee will not be accepted through any other mode.
6. **Refundable Earnest Money Deposit (EMD):** EMD to be deposited online mode only in favor of Registrar Baba Farid University of Health Sciences, Faridkot.
7. **Upload** signed copy of Technical Bid Compliance Statement (**Annexure-I**).
8. **Upload** an affidavit regarding Non-Black listing as per proforma given at **Annexure-II** duly attested by an Executive Magistrate or a Notary Public.
9. In case the Bidder is Authorized Supplier/Agency, the Authorization Certificate as per the Format given at **Annexure-‘III’** (duly filled in), **to be uploaded.**
10. In case the Bidder is Authorized Supplier/Agency, an undertaking/certificate issued by their Principal Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply of the Instruments then the Principal Manufacturer/Supplier will be responsible for Guarantee/Warranty/AMC/CMC of the Equipments/Instruments. (**Annexure – ‘IV’**), **to be uploaded.**
11. **Upload** details of Bank Account for refund of EMD (**Annexure – V**).
12. In addition to this, following **documents are to be uploaded** with Technical Bid:-
 - i) Details of registration as Company /Firm/ Establishment.
 - ii) **Standard Certification must be uploaded as per tender document.**
 - iii) Copy of Certificate of Registration for service Tax/TIN/TAN/PAN/VAT.
 - iv) A certificate from C.A. regarding Annual Turnover with Balance Sheet for the last 3 (three) financial years i.e. 2018-19, 2019-20 & 2020-21.
 - v) Copy of the IT Returns for three financial years i.e. 2018-19, 2019-20 & 2020-21.
15. Price should be quoted and **uploaded** only in Excel Sheet proforma at **Annexure-‘VI’**.

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SCOPE OF SUPPLY

Sr.	Name of Equipment	Approx. Qty. Reqd.	Earnest Money to be Submitted (in Rs.)
1	Advanced Life Support Skill trainer mannequin	4	Rs. 3,00,000/- (Rs. Three Lakh Only)
2	Air ways management Trainer mannequin	4	
3	Adult CPR training mannequin (half-torso) with cardiac feedback	6	
4	Adult CPR training mannequin (full-body) Mannequin with cardiac feedback	2	
5	Anatomical Torso Trauma Mannequin (with min. 5 skins) for thoraconcentesis	2	
6	Anatomical Neck Trauma Mannequin (with min. 5 skins) for cricothyroidotomy	2	
7	Adult Phlebotomy (IV access) Trainer Arm	4	
8	Pediatrics Phlebotomy (IV access) Trainer	2	
9	Intra osseousaccess training set comprising of <ul style="list-style-type: none">• Power driver (1)• Needles with accessories (adult size-5)• Adult limb with atleast 5 bones (1)	1	

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10	Intra osseous access training set comprising of <ul style="list-style-type: none">• Power driver (1)• Needles with accessories (paediatric size-5)• Paediatric limb with atleast 5 bones (1)	1	
11	Central IV mannequin with Internal Jugular and Subclavian access with minimum two vein access pads	2	
12	AED Trainer	4	
13	ECG Simulator and rhythm generator (DART)	4	
14	Monitor defibrillator, capable of defibrillation /synchronized cardio version	2	
15	Airway Foreign body trainer mannequin	1	
16	Anatomic full spine model	1	
17	Postpartum hemorrhage control training mannequin	1	

Note: - Qty may increase or decrease.

TECHNICAL SPECIFICATIONS

1. Technical Specifications of ACLS mannequin

- 1) It should have all anatomical landmarks relevant to adult CPR
- 2) Should be able to perform mouth to mouth, mouth to mask and bag mask ventilation
- 3) It should have realistic anatomy of the tongue, oropharynx, epiglottis, larynx, vocal cords, and trachea.
- 4) It should be suitable for insertion of oral and nasal endotracheal tube, supraglottic devices, combitube, Laryngeal Tube, oropharyngeal and nasopharyngeal airway.
- 5) It should provide visual inspection of lung expansion.
- 6) Should be able to mimic airway obstruction which can be relieved by Head Tilt -Chin Lift
- 7) It should have realistic chest compression resistance which allows to perform proper chest compressions in a real-life situation.
- 8) It should be capable of generating bilateral carotid pulse.
- 9) Insertion of Peripheral intravenous line availability.
- 10) Can match defibrillators and pacemakers of different factories and types to achieve real defibrillation and pacing.
- 11) It should have 3 or more ECG leads feature to monitor ECG readings.
- 12) Both CPR & ECG Curves should be displayed on screen, giving optimal Information at all times. With option to add user desirable ECG rhythms too.
- 13) It should have device/software for different types of rhythm generation
- 14) Representation of a realistic patient monitor with the following display options: 12 lead ECG, heart rate, blood pressure, oxygen saturation values of which can be possible to amend per scenario.
- 15) Should come with Hard carry case with wheels for easy transportation and training
- 16) It should have feedback device to allow real-time CPR performance feedback
- 17) Computer with latest technology integrated with the mannequin
- 18) The price and list of accessories to be quoted separately
- 19) Should be European CE approved/ USFDA approved
- 20) Electrical safety norms: should be compatible with Indian electricity supply
- 21) Warranty of 5 years followed by CMC for 5 years
- 22) The unit shall be capable of operating continuously in ambient temperature of 10 -50 deg C and relative humidity of 15-90%
- 23) Shall meet IEC-60601-1-2:2001 (or equivalent BIS) general requirements of safety for electromagnetic compatibility.
- 24) Demonstration of equipment is must
- 25) After sales service should be available locally.

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2. Technical Specifications of Airway management Trainer

- 1) Adult Full face, normal skin colour with head, good quality material.
- 2) Airway Mannequin should have anatomical landmarks like teeth, tongue, oropharynx, nasopharynx, larynx, epiglottis, vocal cords and trachea, lungs, esophagus and stomach.
- 3) Should be able to demonstrate use of Supraglottic devices, NPA, OPA, oral and nasal endotracheal tubes.
- 4) It should give alarm with pressure on teeth during laryngoscopy
- 5) Should be able to demonstrate Triple manoeuvre, jaw thrust, chin lift and Bag mask ventilation.
- 6) Should have the facility for detection of Stomach inflation with esophageal intubation.
- 7) Visual inspection of two proper Lungs inflation
- 8) Airway demonstration model with each trainer
- 9) Mannequin on sturdy board
- 10) Provide Lubricant and Hard carry case
- 11) Should be USFDA/ European CE approved
- 12) The unit shall be capable of operating continuously in ambient temperature of 10 -50 deg C and relative humidity of 15-90%.
- 13) Warranty for 5 years followed by CMC for 5 years
- 14) Rate and list of accessories to be quoted separately
- 15) Demonstration is must
- 16) After sale service should be available locally

3. ADULT CPR TRAINING (HALF TORSO) MANNEQUIN WITH CARDIAC FEEDBACK

- 1) It should have all anatomical landmarks relevant to adult CPR.
- 2) Should be able to perform mouth to mouth, mouth to mask and bag mask ventilation
- 3) Adult CPR mannequin should have realistic features to demonstrate opening of airway, head tilt / chin lift and jaw thrust techniques.
- 4) Should be able to mimic airway obstruction which can be relieved by HT-CL and jaw thrust.
- 5) Adult CPR mannequin should have removable, reusable faces.
- 6) Adult CPR mannequin should have a feedback device which tells correct compression depth, rate, incomplete release and adequate ventilation.
- 7) Chest rise should be seen with correct ventilations
- 8) It should provide visual inspection of lung expansion with chest rise.
- 9) Should be compatible with most of the AED trainers use.
- 10) It should have realistic chest compression resistance which allows to perform proper chest compressions in a real-life situation.
- 11) Additional Accessories: reusable mannequin faces , Carry case and clothing
- 12) The price and list of accessories to be quoted separately
- 13) Should be European CE approved/ USFDA approved
- 14) Electrical safety norms: should be compatible with Indian electricity supply
- 15) Warranty of 5 years followed by CMC for 5 years

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- 16) The unit shall be capable of operating continuously in ambient temperature of 10 -50 deg C and relative humidity of 15-90% 20.
 - 17) Shall meet IEC-60601-1-2:2001 (or equivalent BIS) general requirements of safety for electromagnetic compatibility
 - 18) Demonstration of equipment is must
 - 19) After sales service should be available locally.

4. ADULT CPR TRAINING (FULL BODY) MANNEQUIN WITH CARDIAC FEEDBACK

1. It should have all anatomical landmarks relevant to adult CPR.
2. Should be able to perform mouth to mouth, mouth to mask and bag mask ventilation
3. Adult CPR mannequin should have realistic features to demonstrate opening of airway, head tilt / chin lift and jaw thrust techniques.
4. Should be able to mimic airway obstruction which can be relieved by HT-CL and jaw thrust.
5. Adult CPR mannequin should have removable, reusable faces.
6. Adult CPR mannequin should have a feedback device (manual or electronic) which tells correct compression depth, rate, incomplete release and adequate ventilation.
7. It should be capable of generating carotid pulse manually or using computer device.
8. Chest rise should be seen with correct ventilations
9. It should provide visual inspection of lung expansion with chest rise.
10. Should be compatible with most of the AED trainers use.
11. It should have realistic chest compression resistance which allows to perform proper chest compressions in a real-life situation.
12. Additional Accessories: reusable mannequin faces , Carry case and clothing
13. The price and list of accessories to be quoted separately
14. Should be European CE approved/ USFDA approved
15. Electrical safety norms: should be compatible with Indian electricity supply
16. Warranty of 5 years followed by CMC for 5 years
17. The unit shall be capable of operating continuously in ambient temperature of 10 -50 deg C and relative humidity of 15-90% 20.
18. Shall meet IEC-60601-1-2:2001 (or equivalent BIS) general requirements of safety for electromagnetic compatibility
19. Demonstration of equipment is must
20. After sales service should be available locally.

5. Technical Specifications of Anatomical Torso Trauma Mannequin (with minimum 5 skins) for thoracocentesis

It should allow needle decompression of chest and thoracic tube drainage

A. Needle decompress of chest and thoracic tube drainage

1. There should be facility to create tension pneumothorax of the right or left of the chest.
2. Distension of jugular vein should be simulated in conjunction with tension pneumothorax.
3. Landmarks like Sternal angle and second intercostal space should be identifiable for needle chest decompression.
4. On needle puncture in simulated tension pneumothorax, air should flow out when syringe is attached with puncture needle, air pressure should lift the plunger.
5. Skin should be made of good quality silicone material
6. Insertion of chest tube should be possible
7. 5th and sixth intercostals spaces should be present for use as landmark for insertion of chest tube on both left and right side.
8. Should be supplied with minimum 5 skins
9. Demonstration is a must.
10. The price and list of accessories to be quoted separately.
11. Should be European CE approved/ USFDA approved.
12. Electrical safety norms: should be compatible with Indian electricity supply.
13. Warranty of 5 years followed by CMC for 5 years.
14. The unit shall be capable of operating continuously in ambient temperature of 10 - 50 deg C and relative humidity of 15-90%.
15. Shall meet IEC-60601-1-2:2001 (or equivalent BIS) general requirements of safety for electromagnetic compatibility.
16. Demonstration of equipment is must.
17. After sales service should be available locally

6. Technical Specifications of neck Trauma Mannequin (with minimum 5 skins) for cricothyroidotomy

- 1) Needle and surgical cricothyrotomy skills can be practiced on this model with interchangeable rigid and soft tracheas.
- 2) Anatomically accurate landmarks for site training
- 3) Interchangeable tracheas facilitate realistic simulation of needle and surgical cricothyrotomy procedures
- 4) Rigid trachea with simulated lung
- 5) Soft trachea with simulated lung
- 6) Should have replaceable neck skin allows repeated practice
- 7) Should be Mounted on a base
- 8) Should be ISO/CE Certified

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- 9) Should be supplied with minimum 02 Number of each rigid and soft trachea and neck skin

7 Technical specifications of Adult Phlebotomy Trainer Arm/ Peripheral IV line trainer

The Adult IV Training Arm Kit should include a full-size right arm with replaceable skin and veins designed for peripheral intravenous therapy.

- 1) The arm should be/have
 - i. Anatomically accurate full arm model
 - ii. Rotation at deltoid for easier anterior and posterior vein access
 - iii. Should have Multiple injection sites for IV insertion
 - iv. Dorsal veins of hand (minimum 3 in number) Median Vein, Basilic Vein, Cephalic Vein
 - v. Realism of the human adult arm in appearance, feel and resistance at puncture sites
 - vi. Palpable veins should enable site selection and preparation
 - vii. Subcutaneous and intramuscular injections may be performed in the deltoid muscle
 - viii. Infusible veins which allow peripheral therapy with IV bolus or push injection
 - ix. Replaceable skin and vein system which should ensure longevity of model
 - x. Should articulate to other adult Mannequins
- 2) Adult Multi-Venous IV Training Arm Kit must include:
 - I. Adult Multi-Venous IV Arm, 01
 - II. Replacement skin and multi-vein system each, 03
 - III. Blood concentrate, 01
 - IV. Blood Bag with Tubing and Connector, 01
 - V. Clamp and Hook in the carry case, 5
 - VI. Syringes, 01
 - VII. Mannequin Lubricant, 01
 - VIII. Carry Case

8 Technical specifications of Paediatric Phlebotomy Trainer Arm/ Peripheral IV line trainer

The Pediatric Multi-Venous IV Training Arm Kit should be a complete IV therapy training kit which includes a full-size right arm with replaceable skin and veins designed for peripheral intravenous therapy.

The arm should be/have

- 1) Anatomically accurate full pediatric arm model
- 2) Multiple injection sites for IV insertion
- 3) Dorsal veins of hand (at least 3) including Median vein, Basilic vein, Cephalic vein
- 4) Realism of the human pediatric arm in appearance, feel and resistance at puncture sites

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- 5) Venipuncture possible in the antecubital fossa and dorsum of the hand
 - 6) Palpable veins which enable site selection and preparation
 - 7) Infusible veins allowing peripheral therapy with IV bolus or push by injection method
 - 8) Replaceable skin and venous system which should ensure longevity of model The model should include following accessories:
 - 9) Pediatric Multi-Venous IV Arm with one extra Replacement Skin, and Multi-Vein System each
 - 10) Blood concentrate three packets
 - 11) Blood Bag with Tubing and Connector Clamp & Hook
 - 12) 10 Syringes Carry Case
 - 13) Mannequin Lubricant

9 Adult Intraosseous Trainer

1. Designed for training in adult intraosseous infusion techniques.
2. Provision for adult size Intraosseous needle insertion.
3. Should have intraosseus training set comprising of Power driver (1), Needles with accessories (adult size) (5) and Adult limb with at least 5 bones (1)
4. Provision for Simulated tibia and anatomical landmarks at the tibial tuberosity and medial malleolus.
5. Provision for Fluid may be infused for realistic flashback.
6. Provision for Drain in heel connecting to reservoir bag.
7. essential to separately mention the price of each consumable
8. Demonstration is a must.
9. Should be USFDA/ European CE approved
10. Warranty of 5 years followed by CMC of 5 years.
11. Rate of accessories to be quoted separately.
12. The unit shall be capable of operating continuously in ambient temperature of 10 degree Celsius to 50 degree Celsius and relative humidity of 15% to 90%.
13. After sales service should be available locally.

10 Paediatric Intraosseous Trainer

- 1) Designed for training in paediatric intraosseous infusion techniques.
- 2) Provision for paediatric Intraosseous needle insertion
- 3) Should have intraosseus training set comprising of Power driver (1), Needles with accessories (paediatric size) (5) and paediatric limb with at least 5 bones (1)
- 4) Provision for Simulated tibia and anatomical landmarks at the tibial tuberosity and medial malleolus.
- 5) Provision for Fluid may be infused for realistic flashback.

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- 6) Provision for Drain in heel connecting to reservoir bag.
- 7) essential to separately mention the price of each consumable
- 8) Demonstration is a must.
- 9) Should be USFDA/ European CE approved
- 10) Warranty of 5 years followed by CMC of 5 years.
- 11) Rate of accessories to be quoted separately.
- 12) The unit shall be capable of operating continuously in ambient temperature of 10 degree Celsius to 50 degree Celsius and relative humidity of 15% to 90%.
- 13) After sales service should be available locally.

11 Technical Specification of Central IV Mannequin with Internal Jugular and Subclavian access with minimum 2 vein access pads

1. It should enable the practice of IV access to the: Internal jugular vein and Subclavian vein.
2. There should be palpable arterial pulsation.
3. Long catheters may be placed into the training model.
4. Realistic tissue simulation should be provided.
5. Both Neck Pad are to be replaceable without use of any tools.
6. The simulated veins inside the pads are to provide a natural resistance during puncture and a natural flashback of blood.
7. Both veins and skin are to self seal so that the site of puncture is not visible to the next student.
8. A carry case for easy transportation and storage is to be included.
9. Four neck vein access pads to be provided with each Mannequin.
10. List of all consumables required for full functioning of the trainer along with their costs are to be provided.
11. Warranty of 5 years followed by CMC for 5 years.
12. The unit shall be capable of operating continuously in ambient temperature of 10 -50 deg C and relative humidity of 15-90%.
13. Shall meet IE C-60601-1-2:2001 (or equivalent BIS) general requirements of safety for electromagnetic compatibility.
14. Electrical safety norms: should be compatible with Indian electricity supply.
15. Demonstration of equipment is must.
16. After sales service should be available locally.

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12 AED Trainer

- 1) It should be able to teach and educate a lay person and healthcare provider the effective use of an automated external defibrillator
- 2) It should be latest AHA Guidelines-compliant
- 3) It should have flexible configuration with more than 7 real world scenarios which should be recognized by internationally responder program
- 4) Trainer should comply latest AHA and ERC latest guidelines
- 5) Language of voice prompt should be change by touch button
- 6) It can be controlled and operated through optional remote-controlled device
- 7) Should be used for adult and pediatrics training both
- 8) Weight: Less than 900 grams
- 9) Ruggedness: 10 cm drop without operation interruption
- 10) 1-meter drop test retaining full functionality
- 11) It should be ISO certified
- 12) Battery Type: AA Alkaline (any brand) with life more than 10 hours

13 Technical Specifications of ECG Simulator with rhythm generator (DART)

- 1) A battery powered ECG rhythm simulator which provides simulation of basic, modified and paediatric rhythms with the applicable pulse rate and strength.
- 2) Should have a total of 30 cardiac rhythms, 17 modified rhythms including Torsade de Pointes and 7 paediatric rhythms.
- 3) A hand held unit with the function key incorporated on the top panel. Every key (with the exception of the Paroxysmal and Change rhythm keys) should have and associated LED to indicate the status of it function.
- 4) Should be able to be used preferably with ALS adult and ALS Baby Trainer using link cable.
- 5) Simulator must also be able to be used as a stand-alone unit to provide ECG signals for display on any standard 3-lead ECG Monitor.
- 6) The ECG rhythms should be selected from dedicated controls on the keyboard.
- 7) Should work on mains power supply as well as rechargeable battery.
- 8) Must have Battery Low Indication.
- 9) Environmental Data-Temperature 10° C to 40° C, Humidity 15 to 90% RH.
- 10) Power Supplies- Power supply 9V from internal batteries - Batteries AA size (R6) 1.5V - Number of batteries 6 - Capacity 2500 mAh- Battery life time Approx. 12.5 hours
- 11) Physical Dimensions - Size 233 x 132 x 63 mm approximately
- 12) Weight incl. batteries 0.5 kg approximately
- 13) Accessory - carry case
- 14) Warranty of 5 years followed by CMC of 5 years.
- 15) Local service should be available.
- 16) Demonstration is a must

14 Technical Specifications of Monitor Defibrillator capable of defibrillation /synchronized cardioversion

1. Defibrillator should use low energy biphasic waveform for delivering shock energy & must have energy selection from 1-200J.
2. Can be applicable for use on mannequins also.
3. It should have AED as well as manual mode.
4. Should have facility to do ECG monitoring, defibrillation and synchronized cardioversion.
5. Must be capable of monitoring ECG through ECG cables, multiple function electrodes/pads & external paddles.
6. Unit should have adult & in-built paediatric external paddles & should be able to defibrillate both adult & paediatric patients.
7. Should work on mains as well as rechargeable battery.
8. Machine should be compact & portable with in built rechargeable battery for at least 2 hour of continuous ECG monitoring.
9. It should have battery charge indicator.
10. Should have facility for self test.
11. It should have disarm facility.
12. Defibrillator should have pulse - oximetry and NIBP as integral part of unit(optional).
13. Should have user selectable alarm settings.
14. Should be supplied with following accessories.:
 - 1) Battery: 1no.
 - 2) 5 Lead ECG cable – 2 no.
 - 3) External defibrillator paddles (ped & adult)- 1no.
 - 4) Multi-function defibrillator & monitoring pads/gel sheets – 5 per unit(adult and paed)
 - 5) SPO2 probe- finger probe one for adult per unit
 - 6) NIBP cuff for Adult - one per unit
15. Demonstration is a must.
16. Should be USFDA/ European CE approved
17. Warranty of 5 years followed by CMC of 5 years.
18. Electrical safety norms: should be compatible with Indian electricity supply.
19. Rate of accessories to be quoted separately.
20. Shall meet IEC – 60601 – 1 -2: 2001 (or equivalent BIS) general requirements of safetyfor electromagnetic compatibility.
21. The unit shall be capable of operating continuously in ambient temperature of 10 degreeCelsius to 50 degree Celsius and relative humidity of 15% to 90%.
22. After sales service should be available locally.

15. Airway Foreign body Trainer

1. Mannequin should be life like adult torso with realistic anatomy and response using simulated boluses to provide instructors with a tool for instructing and practicing this lifesaving technique.
2. The mannequin should be Cast from a human specimen and Heimlich Abdominal Thrust Maneuver training with simulated food boluses should be possible.
3. The mannequin should be supplied with the following items –
 - a) 1 Adult Male Mannequin Torso
 - b) 4 Simulated Boluses
 - c) 1 Bottle of Talcum Powder
 - d) 1 Tank Top
 - e) 1 Carry Case
 - f) Directions for Use
4. Warranty of 5 years followed by CMC of 5 years.

16. Technical Specifications of Flexible full Spine Model

1. Size: complete Spine model, standing Height 74.00cm approx
2. Fully flexible mounting throughout spine. Flexibly mounted for effective demonstration on a stand
3. Full pelvis and occipital plate
4. Spinal nerve exits
5. Cervical vertebral artery
6. Durable and of good quality
7. Demonstration is must
8. Warranty of 5 years followed by CMC of 5 years.

17. POSTPARTUM HEMORRHAGE CONTROL TRAINING MANNEQUIN

- 1) The mannequin should be highly realistic for simulating postpartum haemorrhage
- 2) The mannequin should have features to manually control the amount of bleeding and the conditions of uterus.
- 3) The mannequin should have the following
 - I. Hemipelvis of adult female with anatomical landmarks like pelvic cavity ,spine etc.
 - II. Full term articulating fetus with placenta and umbilical cord to fit with manual birthing system
 - III. Artificial Blood concentrate (2x250 ml)
 - IV. Full collection tray
 - V. Fluid drain
 - VI. Urine catheter
 - VII. 20ml syringe
 - VIII. Carrying bag
 - IX. Blood reservoir 1,500 ml
 - X. Blood reservoir stand
- 4) The mannequin should have features for training the followings
 - I. Urine catheterization
 - II. Normal delivery
 - III. Complete and incomplete placenta delivery
 - IV. Oxytocin injection
 - V. Controlled cord traction
 - VI. Bimanual compression of uterus
- 5) The trainer should be useful for training the following procedure
 - I. Delivery of placenta
 - II. Identification of Post partum haemorrhage – bleeding nature : uterus bleeding ,cervix bleeding , vaginal bleeding
 - III. Visual estimation of the blood loss volume upto 1.5L
 - IV. Atonic uterus management
 - V. Practice the Fundal massage
 - VI. Practice bimanual compression
 - VII. Practice catheterization

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NOTE: -

- All accessories like UPS / Stabilizer or any other which are required for device(s) should be supplied by the L1 bidder.
- All items carry 05 years guarantee followed by CAMC after expiry of the guarantee.
- Compliance report to be submitted in a tabulated and point-wise manner (as per technical specifications), clearly mentioning the page/ para number with authenticated catalogue / manual. Points not covered in the brochure must be specifically addressed in a separate certificate.
 - User list from Govt sector and good repute private hospitals should be provided.
 - Certificate (s) regarding standard in quality must be uploaded.
 - Expected delivery & Installation time: Within 45 days after issue of supply order.

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TERMS AND CONDITIONS

FOR SUPPLY AND INSTALLATION of *SKILL LAB EQUIPMENT* REQUIRED AT GGS MEDICAL COLLEGE & HOSPITAL, FARIDKOT.

ELIGIBILITY

- The sole manufacturers of equipments or their authorized agents/distributors may quote their rates.
 - In case of Authorized Supplier/Agency/Distributor, the Authorization Certificate as per the Format given at **Annexure-‘III’** should be uploaded.
 - In case the Tenderer is authorized dealer/supplier an undertaking/certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for Guarantee/Warranty/AMC/CMC. (**Annexure – ‘IV’**).
1. This institution reserves the right to reject tenders without assigning any reason and increase or decrease the quantity of the articles tendered.
 2. ***If the supply and installation*** is not made within the stipulated period then late delivery charges @**2%** will be imposed up to delay of **30 days** and thereafter @ **4%** for another **30 days** on the total amount of Supply Order. After which Supply Order will be deemed cancelled & security/earnest money will be forfeited and company will be black-listed for future.
 3. Payment Terms: 80% Payment will be released after satisfactory Installation of the Equipment and balance 20% will be made after 60 days of the Installation and satisfactory working of the equipment.
 4. In-complete or conditional offers incorporating price variation will not be entertained.
 5. The firm should have been in existence for at- least **three years** and it should have turnover of **Rs.2,00,00,000/- per year**.
 6. The successful bidder shall deposit performance security @ 10% of the basic cost of the equipment/s in the shape of **Demand Draft only** and will be returned after receipt of CAMC security.
 7. **The Bidder should quote all the items in the tender. The award will given to successful LI bidder on consolidated basis for better services and training.**

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Annexure-I

TECHNICAL BID COMPLIANCE STATEMENT

Name and Address of the applicant / firm _____

Specify whether Manufacturer/Dealer/Distributor: _____

Sr. No.	Particulars	Remarks
1.	Tender Fee of Rs.2360/- through Online Mode only on or before due date.	Yes/No
2.	Tender Processing fee charged by Punjab Govt. as per their norms. (Non-refundable).	Yes/No
3.	Earnest Money as mentioned, in favor of Registrar Baba Farid University of Health Sciences, Faridkot through online mode only.	Yes/No
4.	Technical Bid Compliance Proforma uploaded (Annexure-I).	Yes/No
5.	Whether an affidavit regarding Non-Black listing as per proforma given at Annexure-II duly attested by an Executive Magistrate or a Notary Public uploaded.	Yes/No
6.	In case the bidder is Authorized Supplier/Agency, the Authorization Certificate as per the Format given at Annexure-‘III’ uploaded.	Yes/No
7.	In case the Tenderer is Authorized Supplier/Agency, an undertaking/certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for Guarantee/Warranty/AMC/CMC (Annexure – ‘IV’) uploaded.	Yes/No
8.	Details of Bank Account for refund of EMD (Annexure – V) uploaded.	Yes/No
9.	Price Bid in the prescribed format in Excel Sheet (Annex – VI) uploaded.	Yes/No
10.	Copy of Certificate of Registration for service Tax/TIN/TAN/PAN uploaded.	Yes/No
11.	A certificate from C.A. regarding Annual Turnover with Balance Sheet for the last 3 (three) financial years i.e. 2018-19, 2019-20 and 2020-21 uploaded.	Yes/No
12.	Copy of the IT Returns for three financial i.e. 2018-19, 2019-20 and 2020-21 uploaded	Yes/No
13.	Certificate regarding standard in quality as per required in specifications	Yes/No
14.	Compliance sheet, point wise, as per specifications uploaded	Yes/No
15.	E-mail ID	

Signature & seal of bidder

Place:

Date :

Note: Please upload Catalogue/Brochure/Pamphlets with complete specifications of quoted model only.

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Annexure-II

(To be furnished on non-judicial stamp paper worth Rs.100/- duly attested by Executive Magistrate or Notary Public).

AFFIDAVIT

I/We _____
partner/sole proprietor (Strike out which is not applicable) of (Name & Address of Firm)
_____ do hereby declare and solemnly affirm:-

- a) That the individual/firm/ companies are **not debarred or black- listed** by any department of Union/ State Government or any autonomous institute.
- b) That no partner or shareholder, directly or indirectly connected with the applicant who has been debarred or blacklisted by any department of Union Govt./State Govt./Autonomous Institute.
- c) And that the terms and conditions for supply and Installation of Equipments at GGSMCH, Faridkot, are acceptable to me/us. I/We shall abide by them in letter and spirit.

Date:

Place:

DEPONENT

VERIFICATION

I/We do hereby solemnly declare and affirm that the above declarations are true and correct to the best of my/our knowledge and beliefs. No part of it is false and nothing has been concealed therein.

Date:

Place:

DEPONENT

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Annexure- III

MANUFACTURER’S/PRINCIPAL AUTHORIZATION FORM

TO

The Registrar
Baba Farid University of Health Sciences,
Faridkot -151203

Ref. No.....

Dated:

Sub: Authorization Certificate in favour of M/s..... for supply of (Name of equipment)

We, M/s....., who are established and reputable manufacturers of(name of equipment) having factory(ies) at and, hereby authorize M/s.....(name and address) to bid, negotiate and conclude the Tender formalities with you against Tender No..... for the above equipment(s) manufactured by us.

No company or firm or individual other than M/s..... are authorized to bid, negotiate and conclude the tender formalities in regard to this business against this specific tender.

We, hereby extend our full guarantee and warranty as per the conditions of tender for the goods offered for supply against this tender by the above firm.

Yours faithfully,

(Name)

For and on behalf of M/s.....
(name of manufacturer/Principal)

Note: This letter should be signed by a person competent and having authority to sign on behalf of manufacturer, and should be on manufacturer Letter Head and same will be uploaded with Technical Bid.

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Annexure - IV

UNDERTAKING BY MANUFACTURER/PRINCIPAL SUPPLIER

TO

The Registrar
Baba Farid University of Health Sciences,
Faridkot -151203

Ref. No.....

Dated:

Sub: Undertaking for after sales service

We, M/s....., who are established and reputable manufacturers of(name of equipment) have authorized M/s.....(name and address) to bid, negotiate and conclude the Tender formalities with you against Tender No..... for the above equipment(s).

Further, we undertake that in case dealership/distributorship is withdrawn after supply of equipment then we shall be responsible for after sales service till the date of guarantee/warranty of the equipment and afterwards for a period of 10 years.

Yours faithfully,

(Name)

For and on behalf of M/s _____
(name of manufacturer/Principal)

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Annexure- V

Details of Bank Account of the firm who has deposited EMD

Name of the firm: _____

Sr. No.	Particulars	Detail
1.	Account No.	
2.	Name of Bank	
3.	Branch Name	
4.	IFSC Code of Bank	
5.	Name of Operator	

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College and Hospital*

ANNEXURE - VI

PRICE BID

**TO BE UPLOADED in Printed/Computerized format in Excel Sheet Attached for all
Equipments.**