

OFFICE OF THE DEAN

Atal Bihari Vajpayee Government Medical College, Vidisha M.P.

Opp Khel Parisar] Sanchi Road, Vidisha Madhya Pradesh 464001, Telephone No 07592-297001

E.Mail :- deangmcvidisha@gmail.com

Website :- www.gmcvidisha.org

Ref. No 4233-34/Pur./Tender/ABVGMC/2022

Vidisha, Date 07/07/2022

Quotation Notice

Atal Bihari Vajpayee Government Medical College, Vidisha, M.P invites sealed bids for Supply of Manniquines on Tender. The estimated consumption of Supply & Manniquines approximately Rs. 5 Lakhs. Please send your quotation in sealed/cover in date 14/07/2022 up to 05:00 PM.

Sealed Tender shall be submitted offline only at Invert Section of Atal Bihari Vajpayee Government Medical College, Vidisha M.P.

Term & Conditions :-

01. The price quoted should be as indicated (Rs.) as below :-
Otherwise the quotation will be rejected :-
(a) Free Delivery at our College central store.
02. Your rate should include Packing and forwarding charge. In the case of quotation, F.O.R. destination, Insurance/should also be covered. The goods should be insured in your favor against theft, loss, damage of breage during transit.
03. Your offer should be valid for a period of One Year from the date of opening of the quotation/Tender.
04. The rate of all taxes should be clearly indicated wherever chargeable.
05. Quotation reference no. along with date & title of quotation should be clearly mentioned on the envelop otherwise quotation will not be considered.
06. Specific mention should be made whether the delivery will be ex-stock or stores will have to be imported or obtained from the works and how much time will be required for delivery after receipt of the order. The delivery time will have to be strictly delivered with in one month of order given.
07. Each quotation sent by post is to be enclosed in sealed cover. The cover should bear only the address of the official without any indication that there is a quotation.
08. Payments for supplied items will be made directly to the supplier by crossed cheque / NEFT of a nationalized bank only after receipt of the good condition and quality assurance according to attached specification.
09. The rights of acceptance of the quotation remains with the director, who is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotation received, without assigning any reason.
10. The quotation are liable to be rejected if any of the above conditions is not full filled.
11. Must have PAN Card No. and GST Registration No.
12. The firm must have at last 3 years of experience in the related field.
13. It is mandatory to submit the letter head financial rate of the firm as per the specification given in Annexure-A aatached to the tender.
14. The lowest rate will be accepted of each item individually.
15. The colour of the mannequin should be Caucasian simulating Indian babies/adult in medium skin tones.

16. The internal parts of the mannequin must be realistically sculpted anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
17. The mannequin's durability must be of minimum 3 years.
18. The material of the mannequin should withstand extremes of temperature (up to 45 degree Celsius).
19. The supplier system must ensure manufacturer's warranty/guarantee for the specification and also against manufacturing defects.
20. The supplier will be responsible for service maintenance replacement etc. against any complaints up to the satisfaction of the users irrespective of the location of the manufacturing unit.
21. The supplier must ensure the availability of on-call service agent from state headquarters within 48 hours from local within 24 hours from outside State.
22. The warranty for mannequins must be 3 years.
23. All mannequins should include a soft/hard carrying Case study questions, Dos and Dont's, instructions manual, maintenance guide, background information, videotape for demonstrating the use of mannequien, user manual with trouble shooting guidance, technical manual with maintenance and first line technical intervention instructions and any other relevant teaching/training materials in English.
24. The mannequins should have additional accessories as listed and also talcum powder or silicone gel to acoid friction list of accessories and spare parts with cost and local contact details of its Supplier.
25. The supplier/manufacturer should list the name and address of technical service providers in india.
26. The copy of the each documents submitted by the tenderer in the tender must be signed and stamped.



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Government Medical College, Vidisha M.P.

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Copy to :-

01. Publish on website.
02. Notice Board.



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Annexure-A

Sr. No.	Name of Product & Specification
1	<p><u>Technical Specifications of Advanced Adult CPR mannequin</u></p> <ul style="list-style-type: none"> • The mannequin should reveal the effects of CPR. It should give real-time feedback of CPR performance and function. • It should have chest compression indicating lights which represent the volume of Blood being circulated by the chest compression. • It should have blood circulation indicating lights which illuminate to indicate the flow of blood from heart to the brain. The speed of the blood flow should vary according to the depth and speed of the compressions. The lights should flash to indicate the rate between 100 and 120 per minute • It should have CPR quality indicating lights which should illuminate to depict the blood flow reaching the brain. These should only light up with correct compression depth, compression rate and full chest release. • It should provides real-time feedback of CPR performance which can be reviewed and analyzed and downloaded and exported by connecting the manikin to an Android/IOS compatible device loaded with the assigned app • It should have feedback of Comp. depth * Comp. rate / over time - Correct depth, speed (rate) and compression release are measured and displayed for each compression And Comp. depth * Comp. rate / overall - The overall compression depth, speed (rate) and compression release of the current cycle are displayed on a distribution diagram to help encourage consistent and correct chest compressions. • It should have feedback of Ventilation volume - (Color indication in software) and Ventilation Rate. • It should have Additional Feedback like Review the Learner Mode results , Review the Instructor Mode results and Review and send the detailed results - Self training Mode, Monitoring Mode • It should have oral and nasal passages which allow realistic nose pinch. It should allow head tilt and chin lift for opening airway. • It should have highly realistic chest movement with correct ventilations. It should be able to be used with an adult BVM. • It should be anatomically correct and made of harmless, latex free skin. It should allow an easy AED training pad removal. • It should provide audible feedback to reinforce the correct compression depth • It should have an air vent to reduce the risk of cross infection. • It should be accompanied with accessories, including face shield (8-10), Alkaline batteries (6-8), spare face skin (1-2), spare artificial lungs (4-6), padded carrying case and training mat. • It should meet the Latest AHA, ERC guidelines. • Firm should provide minimum 3 years warranty (excluding consumables). • Firm should agree to supply the consumables on reasonable price up to 3-5 years after warranty period. • Firms should demonstrate the product at this unit after technical bid opening. • Firms should provide a training session to the user at assigned department on date of delivery of the mannequin.



2	<p><u>Technical Specifications of Advanced Infant CPR mannequin</u></p> <ul style="list-style-type: none"> • Should be non-toxic materials are soft and smooth to represent an infant's skin (RoHs, 100% Silicone Skin) • The infant CPR manikin should provide real-time visual feedback using intuitive lights to allow good quality ventilations and chest compressions. • Should provide real-time feedback for ventilation training and lights providing real-time feedback for chest compressions (depth, rate, re-coil and finger/thumb position). • Should have realistic 'Jaw Thrust/Lift' manoeuvre is possible to practice opening the infant airway as required • Should be ideal for Paediatric BLS, EPALS and EPILS • Should have visual feedback for Compressing Too Deep, Compressing Too Shallowly, Incomplete Release or Finger/Thumb Positioning, Compressing Too Fast, Correct Compression Rate and Depth, Ventilating Too Quickly, Ventilating Too Much and Correct Ventilation • Should be included hard carry case, cloth for baby, manual, face shield (10), AA Alkaline Batteries (4)
3	<p><u>Technical Specifications of Adult Airway Management Trainer</u></p> <ul style="list-style-type: none"> • The Airway Management should have realistic anatomy and landmarks including teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, lungs, esophagus, and stomach. • The trainer allows you to practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L., L.M.A., E.G.T.A. • The Suction techniques and proper cuff inflation may also be practiced and evaluated. • The airway trainer must establish and maintain an open airway by head tilt, chin lift, neck lift and jaw thrust. • Airway Management trainer should be on Stand to allow easy practices. • Should have carotid pulse • It must provide realistic head positioning. Neck flexion, extension and rotation, head lift and jaw move ability. • It should feature of applying pressure to the cricoid cartilage changes the position of the trachea and closes the esophagus, allowing realistic practice of the sellick maneuver. • It should have features durable, rugged, one-piece construction and bi-furcated lungs. • The airway trainer may provide the possibilities for practical training in clearing the obstructed airway by suctioning liquid foreign matter from, oral cavity, oro- or nasopharynx, oro- or naso trachea, via end tracheal tube. Gastric drainage may also be practiced. • The airway trainer should permit realistic practice in lung ventilation, also with the use of non-invasive equipment. • Should come with training stand to mount head, 8-oz. Bottle of Lubricant, Left and Right Simulated Lungs, Simulated Stomach, 3 Red Caps, Hard Carry Case for storage • Demonstration is must • Should have 5 years of warranty from date of installation

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Technical Specifications of Advanced Venipuncture and Injection Arm – Adult

- Should have training arm provides complete venous access for IV therapy and phlebotomy, plus sites for intramuscular and intradermal injections.
- Should have fine details of the skin to make the arm look and feel alive.
- Should have 8-line vascular system allows students to practice venipuncture at all primary and secondary locations, including starting IVs and introducing Over the Needle IV Catheters.
- Should have real life like venous system simplifies setup with only one external fluid bag supplying artificial blood to all veins simultaneously.
- Unit should simulation of the entire human arm from the shoulder to fingertips.
- Dorsal surface of the hand includes injectable metacarpal, digital, and thumb veins.
- The antecubital fossa includes the median cephalic, median basilic, and median cubital veins. Venipuncture can also be performed along the basilic, cephalic, accessory cephalic, and median antebrachial veins.
- The techniques of blood drawing and starting intravenous infusions may be practiced.
- Should be Intramuscular injections may be performed in the deltoid muscle and intradermal injection sites are in the upper arm. Intramuscular injections into the deltoid muscle are enhanced by the soft, lifelike skin and by the natural bony landmarks in the region.
- Should be Intradermal injections performed using distilled water will create characteristic skin welts at designated sites on the upper arm.
- The soft, flexible fingers are molded separately Flexion of the wrist helps students develop manipulation skills.
- The replaceable skin rolls as the veins are palpated, and a discernible pop is felt when entering the veins.
- The Simulated veins and skin are completely replaceable to keep this training arm looking and working like new.
- Should be Under normal use, hundreds of injections may be performed before the veins or skin need to be replaced. Complete replacement kits are available and easy to use.
- In order to extend the life of the veins, an aerosol sealant is available to seal punctures and prevent leakage.
- Complete Venous Access of Basilic V., Cephalic V., Digital V., Dorsal Metacarpal V., Median Basilic V., Accessory Cephalic V., Extensive Venipuncture System, Flexible Fingers and Wrist, Intradermal Injections, Intramuscular Injections, Median Antebrachial V., Median Cephalic V., Median Cubital V., Replaceable Skin and Veins, Thumb V.
- It shall be accessories with 3 Replacement skin and multi-vein system, 3 cc Syringe with Needle 12 cc Syringe with Needle, 22-gauge Needle, 2 Fluid Supply Bags, Infusion Butterfly, Pinch Clamp, 2 Small Towels, Infusion Needle, Intra-dermal Sealant (2 oz.), 2 Pint Bottles with Blood Powder, Latex Adapter

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Technical Specifications of Obstetrical Manikin

- Obstetrical Manikin should have anatomically correct pelvic model with full term newborn and placenta to give your trainees realistic practice in multiple techniques, and to learn the procedure for emergency childbirth.
- Should Disposable umbilical cords with clamps
- Should have easily replaceable extra vulva and powder to make simulated blood
- Should have modular pregnant belly overlay with permanently installed fetus for training practice of the Leopold's maneuver to determine the fetus' lie by palpating its skull and kneecaps
- Should have clear abdominal overlay to see positioning are all included
- Should have lifelike pelvic cavity has pronounced pelvic landmarks, located spinal column, angled birth canal, ileum, ischium, sacrum, sacro spinious ligaments, and greater sciatic notch.
- The unit should have capable of demonstrating shoulder distocia, fetal attitude, fetal station, fetal lie, cord prolapse, compound presentation, and cesarean section incision locations can be discussed. The fetus provided is of a realistic newborn size with fontanels and cranial sutures.
- A soft carry bag should included

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