Director of Medical Education
Ananda Rao Circle, Bangalore
**LIST OF REQUIREMENTS**

1. **Portable (Tablet Based) Ultrasound System for Bedside Applications for Covid-19 Patients**
   
   System should have min 10 inch Touch screen operation Screen. Should be liquid resistant and easily sanitizable. The system should be drop tested upto 3m. Proof of standards adopted for liquid resistance and Drop test should be given. Built-in Battery backup of minimum 45 mins.

   **Transducers:**
   1. Convex Transducer for Abdomen applications
   2. Linear Transducer for Vascular applications with needle visualization tool.
   3. Phaseua array transducer for lung and echo applications (Optional. Price should be noted in the quotation)

2. **Anesthesia Workstation:**
   
   Gas anesthesia workstation capable of delivering volatile anesthetic agent for adult and pediatric patients. Should have built in ventilator with at least 10 inches colour display to view volume, pressure and oxygen. Should meet international standards with certifications.

3. **Digital Radiography:**
   
   - Technical Specifications for Single Detector, Floor Mounted Digital Radiography System. 800mA with dual flat panel detector. High powered fully digital radiography system with two integrated digital flat panels capable of direct exposure in vertical, horizontal and oblique positions to perform all skeletal body and chest radiography for the Department of Radiology. 800 mA Unit with microprocessor controlled high frequency X-ray generator with power output of 65 kW or more.
   
   - 6 Way floating table should be provided. Should offer high point load capacity of 150 kg or more and surface load capacity of 250 kg or more. The exposure range should be 40-150 KV.
   
   - Detector material should be made of Cesium iodide as scintillation layer with Antibacterial. Waterproof and load resistant performance. Detector weight should be less than 2kg.
   
   - Minimum size of detector should be 35x35 x 43 cms approx. Image matrix size should be 2k x 2k pixels or more. Pixels size should be 150μm or less. Conform to Impresion Protection X 1 (IPX1) or more to safeguard against unintended liquid seepage.
   
   - System should have stitching hardware and software for the vertical bucky examination.
   
   - Detector should have smart connection facility in the bucky.
   
   - Should support both wired and wireless communication (2 Batteries to be provided standard for wireless applications)
   
   - Detector should support storage of at least 100 images allowing to be used across multiple x-ray rooms or for bed side x-ray 500 dpi Dry laser camera with two universal tray should be provided.
   
   - 2 x 110V Lead should be provided for console room.
   
   - Should meet international standards with certifications.
   
   - 1 Ton AC 1ac for console room & 3 Ton AC for X-ray Room and 5kva UPS to be provided. Medical grade ZAP monitor should be provided for Console and Workstation.

**Note:**

1. Equipments should be offered with three years warranty from the date of installation and should mention the prices for 5 years CMC in the quotation.
2. Prices quoted should be inclusive of all taxes and other levies.
3. Equipments offered should have Service centers in Karnataka and details of service centers should be enclosed with quotation.
4. Alternate model should not be quoted.
5. Quality certificates, Technical brochure and other equipment details should be submitted along with quotation.
6. Stock Details and supply capability should be declared in the quotation.
7. GST certificate should be submitted along with quotation.

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