



Medical Equipment BOQ

Item#	Description	Specs	Quantity	Unit price in USD	Total price in USD + VAT
1	Autoclave steam – capacity: 18 or 23L	Steam sterilizer, Three Test Method (Vacuum Test, Bowie & Dick test, Helix Test) Electric-Mechanical Dual Interlock max working pressure 2.5 bar, distilled water tank sensor, temp 145c fully automated programs ,SD card, thermal printer Stainless steel Chamber, vacuum pump, water pump 18 L machine size (440 x 575 x 395mm) OR 23 L (440 x 680 x 395mm) B1 Steel wire tray size (18 L: 310*205*200 mm) OR (23 L: 410*20*200 mm) B2 steel wire holder: (18L: 285*190*20 mm) OR (23L : 380*190*20 mm) CE or FDA approved minimum one year warranty	1		
2	EKG MACHINE	6 channels CE or FDA approved minimum one year warranty	1		
3	EKG Machine three channels	ECG digital three channel Automatic thermal built in printer 12-lead simultaneously display digital filters: HUM, EMG, ADS, Low pass Detection and alarm on lead-off and low battery capacity Data Management software on PC Reliable automatic measurement and interpretation CE or FDA approved minimum one year warranty	1		
4	Ultrasound (two probes)	Echo OBS portable two probes vaginal and abdominal CE or FDA approved minimum one year warranty	1		
5	Ultrasound portable	15 inch lcd led high resolution, 3D/4D, two probes abdominal and vaginal 500GB storage battery 100 min frequency range 50/60 HZ CE or FDA approved minimum one year warranty	1		

6	Portable X-Ray 32 Kw	<p>17" large touch screen, max power 32kw,voltage 220v,400 ma,frequency 50 HZ Battery powered, motor assisted noise-free machine movements. Separate power pack for X-Ray generator & Console PC and for motor drive. 360° rotation of equipment without disturbing its center. Telescopic swivel tube arm with ±270° rotation. Inch move controls for precise positioning of the equipment with respect to the patient from tube side. mobile radiographs for patients (pediatric/adult) who are incapable of being moved or are difficult to move. large touch screen operating console. Images are displayed on the integrated monitor, as such retakes can be immediately undertaken & additional image views can be chosen. High definition digital images produced within seconds after exposure. immediate reproducibility of images enables trauma assessment teams to act in the emergency/trauma room. Exposure without detector Wireless remote for ready & Exposure is provided. Mobile DR can be synchronized with the existing hospital network. Integra X integrated system for exposure and image parameters control. DICOM 3.0 Compatible. CE or FDA approved 3 years warranty</p>	1		
7	kidney dialysis chairs	<p>with 3 motors Electrical supply 220 V Holder for infusion bar Infusion bar Standard bars Handle with holder for paper rolls Protective cover for leg part and footrest Positions : sitting, relax position, Bed position, Trendelenburg Max patient weight 220 kg</p>	16		
8	Double headed ceiling light	<p>LED surgical light Intensity: 1,60,000 Lux+/-10% Size of light field: 12-30 cm colour temperature: 4000-5000 K Clour Rendering Index: 93 RA LED >50,000 Hrs. Number of LED: 126+126 Diameter of light:500 mmx2 Brightness Control: Capacitive touch pabnel Power Supply 220v/50Hz AC Colour of LED: White & Yellow (Double Colour) Focusing: Adjustable Rotation: 360° CE or FDA approved minimum one year warranty</p>	3		

9	Mobile C-arm machine 5 kw	<p>Cassette holder for radiography exposure on cassette film. An image intensifier with cassette holder, and fixed grid. Trolley Keyboard Vascular Software Essential Subtraction angiography for displaying vessels as subtracted series and roadmap. - Contrast medium: Iodine or CO2 Image acquisition and subtraction angiography (SUB) and roadmap (ROAD). Acquisition rates of 0.5 to 30 f/s, storage frequency is configurable. Automatic request for contrast medium injection following acquisition of the mask image. Display of dynamic changes during the contrast medium flow. Simultaneous display of the corresponding precontrast images on the right monitor. Peak opacification for iodine contrast (MaxOpac) and CO2 contrast (MinOpac).</p> <p>Standard foot switch for radiation release and storing. 2x TFT monitor Two 19" TFT displays for live and reference image display. TFT displays with anti-glare coating for displaying live and reference images.</p> <p>-Monitor size:19" (48 cm) Resolution: 1280 x 1024 pixels Horizontal and vertical viewing angles: 178° each Luminance max. 350 cd/cm2 Product Name: 2D measurement function Measurement of angles and distances. 2D measuring function with integrated calibration to determine the scale for the measured distances in the X-ray image. When measuring angles, the sides of an angle can be changed independently. Complementary angle (= 180° - measured angle) can be displayed by changing the angle' direction.</p> <p>Privileges to define user/role-based functionality. Permissions to control data access. Audit trails to log system and data access.</p> <p>System power cable for Rest of World format power plug. Fixed scattered radiation grid Permanently mounted scattered radiation grid to reduce radiation scatter. Grid ratio : 100:1 grid focal length : 1000 mm</p> <p>mobile C-arm system with an image intensifier for fluoroscopy and acquiring single images.</p>	1		
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mobile C-arm for use in gastroenterology, urology, emergency surgery, orthopedics, and general surgery.
 high-quality image intensifier technology.
 integrated 23 cm image intensifier should be equipped with a high-resolution X-ray TV system with 1024 x 1024 pixels full-size sensor.
 This image intensifier-based system with two image input formats and high-voltage generator provides high-quality fluoroscopic images. An acquisition speed of up to 10 P/s can be achieved during pulsed fluoroscopy; in single-image mode, an output of 2.5 kW is possible.
 Equipped with smart image quality and dose algorithms for automated optimization of dose, brightness, and contrast. It continuously analyses each and every one of the image sensors pixels and provides a constant dose management. system integrated dose measuring chamber for displaying the dose area product or air kerma value.

A hard disk with a storage capacity of up to 300,000 images and a USB interface incl. DICOM 3.0 offline media format enable flexible data management. Loading and display of images from the same modality or other modalities (CT, MR, XA, US). DICOM 3.0 services can be used via the integrated DICOM 3.0 interface. uninterruptible power supply (UPS) ensures the highest level of data security.
 DICOM system configuration, DICOM Encryption
 access to the patient as well as flexible applications in the OR. (Immersion depth: 76.4 cm, free space between tube and Image Intensifier: 78 cm, orbital movement 130° (-40°; +90°), angulation ± 190°, swivel range ± 12°, horizontal movement 20 cm). It has motorized height adjustment (43 cm).
 mechanical brakes and scales enable rapid and safe positioning of the C-arm.
 CE or FDA approved 3 years warranty

- HDTV imaging capability, high-resolution image with sharp and clear details.
- NBI (Narrow Band Imaging) enhances the visibility of capillaries and other structures on the mucosal surface.
- Close Focus function, lesions that used to out of focusing conventional closeup observation should be observed clearly as close as 2mm.
- LED light source, to achieves the sufficient level of brightness
- waterproof connector, - 16:9 and 16:10 output for a HDTV monitor .
- Compatible with analog, HD-SDI, and DVI output. - Portable memory, for data management, simply connect and upload.
- VTR remote cable DVI cable.
- Y/C Cable
- Cable for Video RGB, Remote Cable for Printer

10	Endoscopy (Colono_gastro)	<p>Water Leakage Tester Maintenance Unit Medical graded Monitor</p> <p><u>Gastroscope Technical specs:</u></p> <ul style="list-style-type: none"> . Field of view: 140° . Direction of view: Forward viewing . Depth of field: 2-100mm . Distal end outer diameter: 9.2mm . Insertion tube outer diameter: 9.2mm . Up 210°, Down 90° . Right 100°, Left 100° . Working length: 1,030mm . Total length: 1,350mm . Instrument channel: 2.8mm . Minimum visible distance: 3.0mm from distal end <p><u>Colonoscope technical specs:</u></p> <ul style="list-style-type: none"> . Field of view: 140° . Direction of view: Forward viewing . Depth of field: 2-100mm . Distal end outer diameter: 12.8mm . Insertion tube outer diameter: 12.8mm . Up 180°, Down 180° . Right 160°, Left 160° . Working length: 1,680mm . Total length: 2,005mm . Instrument channel: 3.7mm . Minimum visible distance: 5mm from distal end <p>Trolley Set 2 CE or FDA approved 3 years warranty</p>	1		
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