

	<b>Bait Al Batterjee Medical Trading Co.</b>
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<b>Vender :</b>	<b>Mobile : 00966 505 640 079 - 00966 561 052 512</b>
<b>Attention : Sales Manager</b>	
<b>Enclosed please find our Tender Document for <a href="#">OPEN HEART DEPARTMENT</a></b>	
<b>Please submit your best prices for the following items complete specification, Catalogue copy &amp; C.V for units</b>	
<b>Your offer in witting should reach to the undersign before 15 / Dec / 2008</b>	
<b>You may quote your equivalent product if you are unable to offer the specification item</b>	

### **General Requirements for the Negotiable Tender**

- 1- The Manufacture has to offer the Highest & Latest model in the required Item with all the Encouraging specification which let the dean of the tender to choose the Product.
- 2- The offer must contain all Hardware & Software available At time of tender.
- 3- The Manufacture will apply all the Upgrade will be added to the unit Free of Charge.
- 4- The Manufacture will offer clear C.V of the Same Model in his quotation with year of production.
- 5- Warrantee is (5) years including labor & Spare parts & Accessories needed for the perfect work of the unit.
- 6- The Manufacture will assure the work of the unit during the Warrantee with Minimum of 320 days / Year.
- 7- It will be Service Contract for (5) years after the warrantee period in the offer of the manufacturer.
- 8- It's better for the Manufacturer to offer Basic Unit & alternative for each item.
- 9- It's well known that The Company which will win the Tender is going to Sign the Contract with SGH Group.
- 10- This Contract Details will be Discuses with the Company after The Evaluation with the whole Higher Management SGH Group.
- 11- The specification in the book is the nearly accepted but not restricted so each Company Can offer the best Models which Help doctors & Staff to Offer the Best Benefits for the Patient.

**Dr. MOHY KHALIL**  
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## INDEX

Department: open heart

S. No	Items Descriptions	Qty	No. of pages	Manufacture	Origin	Model	Unit Price	Total Price
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**HEART LUNG MACHINE WITH COMPLETE ACCESSORIESS****ITEM NO: 1**

<b>Specification For: HEART LUNG MACHINE WITH COMPLETE ACCESSORIESS</b>	<b>QTY</b>
<p style="text-align: center;"><b>HEART LUNG MACHINE WITH COMPLETE ACCESSORIESS</b></p> <ul style="list-style-type: none"> <li>- The base of the heart-lung machine, constructed of stainless steel and easily maneuvered by means of a side guard and four table castors, two with total lock and tow with direction lock</li> <li>- 5 Pump base with safety monitor</li> <li>- Roller Pump</li> <li>- Battery module</li> <li>- Various line occluder</li> <li>- Lamp</li> <li>- Crossbar kit for 5 unit base</li> <li>- Time temperature module</li> <li>- <b>Arterial Line Air Sensors</b></li> <li>- Ultrasonic air sensor ¼" x 3/32"</li> <li>- Ultrasonic air Sensor 3/8" x 3/32"</li> <li>- <b>Accessories:</b></li> <li>- Mounting arm for system monitors</li> <li>- Instrument tray with mounting arm</li> <li>- Resuable pressure tranducer</li> <li>- <b>Disposables:</b></li> <li>- Pressure monitoring kit</li> <li>- Level sensor Pads</li> <li>- Sensor gel 2oz 60gm tube</li> <li>- <b>Oxygen/Air Blender:</b></li> <li>- Sechrist air/oxygen blender</li> <li>- Air hose</li> <li>- Oxygen hose</li> <li>- Temperature probes and pressure monitors</li> <li>- Resuable esophageal rectal probe for telethe</li> <li>- Autoclavable bubble trap probe for telethe</li> <li>- <b><u>Heater Cooler Unit:</u></b></li> <li>- Dual cooler/Heater</li> <li>- Three way vlve</li> <li>- Temperature probes reusable</li> <li>- Fits all sams membrane oxygenates and flexible reservoirs</li> <li>- For cardiology venous reservoirs</li> <li>- Clip on for use (1/4") with conducer cardiologic sets</li> <li>- Clip on for use ½"</li> <li>- Voltage: <b>110V-220V 60 Hz</b></li> </ul>	<b>1</b>

**INTRA-AORTIC BALLOON PUMP.****ITEM NO: 2**

Specification For: <b>INTRA-AORTIC BALLOON PUMP.</b>	<b>QTY</b>
<p style="text-align: center;"><b><u>INTRA-AORTIC BALLOON PUMP.</u></b></p> <ul style="list-style-type: none"> <li>- <b>MECHANICAL:</b></li> <li>- Dimension: H x W x D 114.8 cm x 44.7 cm x 59.4 cm</li> <li>- Off Hospital Cart: H x W x D 71.6 cm x 28.7 cm x 54.6 cm</li> <li>- Weight: Console: 34.8 kg, Battery: 15.4 kg, Monitor: 4.3 kg, Hospital cart: 29.1 kg</li>   <li>- <b>ENVIRONMENTAL:</b></li> <li>- Temperature: 10°C to 40°C</li> <li>- Relative Humidity: 5%-95%</li>   <li>- <b>ELECTRICAL:</b></li> <li>- Battery pack: 24V DC, 17.2 Amp-hour</li> <li>- Type: Sealed lead acid, maintenance free</li> <li>- Battery operating time: 2.25 hours @ 120 BPM</li> <li>- AC Power: 300 VA</li>   <li>- <b>PNEUMATICS:</b></li> <li>- System compressor: Dual head diaphragm pump brush less DC motor</li> <li>- Patient balloon gas: Medical grade helium</li> <li>- Blood detection: Automatic protection of compressor pneumatics and isolation of blood in auto fill line</li> <li>- Condensate Removal: Automatic condensate removal and disposal via thermo-electric cooling</li>   <li>- <b>DISPLAY:</b></li> <li>- Type: Gas plasma, 132mm x 210 mm</li> <li>- Channels: ECG and Arterial Pressure plus optional balloon pressure waveform</li> <li>- Reference line: 0-300 mmHg/max.</li>   <li>- <b>ECG:</b></li> <li>- Lead: I, II, III, aVR, aVL, aVF, V</li> <li>- Frequency response: 0.5-135 Hz output jack 0.5-12 Hz display</li> <li>- Leakage current: &lt; 10uA source current, &lt;20 uA sink current</li> <li>- Defibrillator protection: Discharge levels up to 500 joules</li> <li>- Recover time: Trace returns to screen, 2 second maximum</li> </ul>	<b>1</b>

**INTRA-AORTIC BALLOON PUMP.****ITEM NO: 2**

Specification For: <b>INTRA-AORTIC BALLOON PUMP.</b>	<b>QTY</b>
<p style="text-align: center;"><b><u>INTRA-AORTIC BALLOON PUMP.</u></b></p> <ul style="list-style-type: none"> <li>- <b>TRIGGER SOURCE:</b></li> <li>- ECG trigger requirement: 120uV +/- 20uV/40uV</li> <li>- Pacer rejection: +/- 2mV to +/- 700mVduration 0.1 ms to 2 ms</li> <li>- Pressure: adjustable between 7 mmHg to 30 mmHg +/- 3 mm Hg pulse amplitude</li> <li>- ESIS: Automatic suppression with internal ECG amplifier</li>   <li>- <b>PRESSURE:</b></li> <li>- Pressure sensitivity to trigger: 7 mmHg pulse amplitude</li> <li>- Transducer requirements: Sensitivity: 5.0 uV/V/mm Hg Excitation: +5V DC Zero range: +/-120 mm Hg</li> <li>-</li> <li>- <b>ACCESSORIES:</b></li> <li>- Doppler: 8 MHz non-directional probe</li> <li>- Saline Pole: Height adjustable</li> <li>- Simulator: Emulates ventricular rhythms; pacers; HR; A-fib</li> <li>- Remote Mount: Mounts keypad/monitor on bypass pump</li> <li>- Storage Case: 3 pocket design holds cables and spare items</li>   <li>- Pump Cover: Padded vinyl with pocket</li> <li>- Ext Cable: Monitor extension cable</li> <li>- Trainer assembly</li> <li>- Pressure transducer with pressure cable</li> <li>- Voltage: <b>110V-220V 60 Hz</b></li> </ul>	<b>1</b>

**DEFIBRILLATOR/MONITOR WITH INTERNAL PADDLES.****ITEM NO: 3**

Specification For: <b>DEFIBRILLATOR/MONITOR WITH INTERNAL PADDLES.</b>	<b>QTY</b>
<p style="text-align: center;"><b><u>DEFIBRILLATOR/MONITOR WITH INTERNAL PADDLES.</u></b></p> <ul style="list-style-type: none"> <li>- Internal defibrillation: Synchronous and asynchronous</li> <li>- Form of shock: Monophasic, attenuated sine half-wave</li> <li>- Energy levels: 2, 5, 7, 10, 20, 30, 50, 100, 150 ,200 ,300 ,360 joule, Aautosequence</li> <li>- Energy Selection: Rotating knob on unit</li> <li>- Typical charging time to 360J: 8 second</li> <li>- Defibrillation: Via Paddles or combined defibrillation/pacemaker electrodes</li> <li>- ECG Derivation: Via 3-lead (I, II, III, aVL, aVR, aVF, V) ECG cable or via combined defibrillation/pacemaker electrodes, with 12-leads</li> <li>- Analogue output: One Volt</li> <li>- Printer: 50 mm thermo-printer with 2 registration channels an 25mm/sec feed rate</li> <li>- Operating modes: Demand and fix</li> <li>- Pulse frequency: 30 to 180P/min</li> <li>- Pulsed current: 0 to 200 mA</li> <li>- Pulse width: 40 ms; 20 ms from 150 P/min</li> <li>- Pulse corm: Monophasic rectangular pulse</li> <li>- SpO<sub>2</sub> Saturation display: in 1% intervals from 0% to 100%</li> <li>- Format: Plethsmogram (curve format)</li> <li>- Single quality: C-Lock ECG Synchronization.</li> <li>- Monitor Display: LCD display, 2-channel backlit, monitor can be tilted by up to 180°</li> <li>- Resolution: 115 mm x 86 mm (620x240 pixels)</li> <li>- Dimension : W x H x D 432 mm x 172 mm x 377 mm</li> <li>- Power supply: battery and mains, operates with 12V D.C</li> <li>- Voltage: <b>110V-220V 60 Hz</b></li> </ul>	<b>1</b>

**ACT MACHINE**

**ITEM NO: 4**

Specification For: <b>ACT MACHINE.</b>	<b>QTY</b>
<b><u>ACT MACHINE</u></b>	<b>1</b>

**BLOOD GAS MACHINE.****ITEM NO: 5**

Specification For: <b>BLOOD GAS MACHINE.</b>	<b>QTY</b>
<p style="text-align: center;"><b><u>BLOOD GAS MACHINE.</u></b></p> <ul style="list-style-type: none"> <li>- Measured Parameters</li> <li>-       <b>Rang</b>       <b>Unit</b></li> <li>- pH       6.001-8.000   pH</li> <li>- H<sup>+</sup>       10.0-999.7       nmol/L</li> <li>- PCO<sub>2</sub>   5.0-250.0       mmHg</li> <li>          0.67-33.33   kPa</li> <li>- pO<sub>2</sub>     0.0-749.0       mmHg</li> <li>          0.00-99.86   kPa</li> <li>- pAtm     400-825        mmHg</li> <li>          53.3-110.0   kPa</li> <li>- Sample Size: Syringe 85 ul, Capillary: 60 ul</li> <li>- Analysis time: time to result: 45 seconds nominal</li> <li>- External Interface: Two RS 232 ports</li> <li>- Environmental requirements:</li> <li>- Temp.: 15-32oC, Humidity: 5-85% non condensing</li> <li>- Voltage: <b>110V-220V 60 Hz</b></li> </ul>	<b>1</b>