FOR THE SUPPLY AND DELIVERY OF

MEDICAL EQUIPMENT

Annex – A Technical specifications

No.	Item	Technical specifications	Sample Picture	Required Quantity
1	**Cervical traction**	Treatment Mode Static / Intermittent with Led Display Traction Force 5 Kg To 45 Kg (With Doubler 90 Kg) Hold Time 10, 20, 40, 60, 80 Sec. With Led Display Rest Time 1, 5, 10, 15, 20 Sec. With Led Display Patient Safety Available		**1**
2	**Shock wave**	Work pattern (Mode) 4 continuous capture modes（shots /4/8/12 pulses） Reference operating version 7 pre-set treatment Programs, with adjustable parameters. Protocols illustrated pre-set treatment recommendations Rotary knobs control energy and frequency; Multi-directional footswitch coordinates with therapeutic handle operation. Product weight: 2.07kg (not including therapeutic handle and footswitch) Therapeutic handle: The therapeutic handle design conforms to human engineering, combines anodized aluminium shell with fan cooling, produces electromagnetic force drive projectile working by means of coil electrical over. Handle dimensions are 23cm length, 5cm diameter (maximum);		**1**

		Minimum service life of therapeutic handle: 2,000,000 pulses; Applicator head: Available in different sizes; Minimum service life of each applicator head 150,000 pulses Power consumption: 100/240VAC 50/60 Hz, 300VA Fuse (wire fuse) specification: 250V/10A Therapeutic head temperature: The external temperature of therapeutic head of the TensCare Shockwave is not greater than 48°C.		
3	**Shoulder Wheel**	Mounting: Wheel is mounted on Three laminated hard-wood wall boards of which Two board are fitted with Two STAINLESS STEEL channels to give wheel 50cm height adjustment to suit each patient. Arc of Motion: Arc of motion can be varied from 30cm to 80cm by fixing handle at the required place. Resistance: Wheel is fitted with advanced Calibrated Sensitive Resistance mechanism and the resistance is controllable from Zero to Maximum. Feed Back: A 360-degree scale is provided on the drum to measure & record the degree of revolution from either direction (for Left or Right Shoulder) for immediate feed-back to the patient. Finish: Powder coated finish. Manufactured as per ISI standard		**1**
4	**Paediatric-stethoscope**	High acoustics, sensitivity, comfortable angled headset with sealing ear tips. Two sided tunable, heavy weight, chrome plated brass chest piece with brass stem and chrome plated brass screw on Paediatric chest piece.		**10**

		Standard length and thick single lumen moulded tube.		
5	**Ultrasonography**	Scanning Method Linear/Convex Electric Scan Focusing Method Full Digital Beam Forming Continuous Dynamic Receiving Focus Display Monitor Regular Monitor Image Display Up/Down, Left/Right, Positive/Negative Resolution, Penetration, Clarity, Boundary Sweep Speed : 5steps Cine Memory 255 frames Measurement Function Distance, Circumference / Area, Volume, Hip Joint, Histogram, Gestational Weeks Calculation, EFW, Velocity, LV Calculation Probes: Different sizes		**8**
6	**Electrocardiogram**	The ECG Machine should be able to acquire all 12 Leads simultaneously and interpret them. Technical Specifications Should acquire simultaneous 12 lead ECG for both adult and pediatric patients		**6**

		Should have Real time display of ECG waveforms with signal quality indication for each lead Should have Artifact, AC, and low and high pass frequency filters. Should have a storage memory of at least 40 ECGs with easy transfer by optional modem and data card. Should have full screen preview of ECG report for quality assessment checks prior to print. Should have interpretation facility of the amplitudes, durations and morphologies of ECG waveforms Should have alphanumeric Keyboard for patient data Entry. (virtual or hard keys) Should have High resolution (200 dpix500dpi on 25 mm/sec speed) digital array A4 size printer Should have report formats of 3 x4; 6 x2, Rhythm for up to 12 selected leads; 12 Lead Extended measurements, 1 minute of continuous waveform data for 1 selected lead. System Configuration Accessories, spares and consumables ECG Machine 12 Leads with Interpretation - 01 Patient Cable -02 Chest Electrodes Adult-(set of six) Limb Electrodes (set of 4)- 02 sets Thermal Paper A4 Size for 500 patients The unit shall be capable of operating continuously in ambient temperature of 10 - 40deg C and relative humidity of 15-90% User Manual Service manual Certificate of calibration and inspection.		

		List of Equipment available for providing calibration and routine Preventive Maintenance Support.		
7	**Stethoscopes, adult**	Length: 27 in (69 cm) tube, 22 in (56 cm) tube. Chest Piece: Adult - 2 in (5.1 cm) Weight: 6.2 oz (175 g) for 22 in tube, 6.5 oz (185 g) for 27 in tube. Chest piece Material: stainless steel. Adult Tunable Diaphragms.		**10**
8	**Wound-dressing kit**	Kit Contains: - Mayo Scissors 14.5cm Straight TC - Dissecting Scissors 14.5cm Sharp/Blunt - Lister Bandage Scissors 15cm - Spencer Stitch Scissors 11cm - Foerster Sponge Forceps 25.5cm - Dressing Forceps 16cm - Dressing Forceps 1:2 16cm - Kelly Forceps 14cm Straight - Adson Forceps 12cm - Lotion Bowl 04 0z - Kidney Dish 08" Technical Specifications: Material: Stainless Steel Reusable or Disposable: Reusable Sterile or Non-Sterile: Non-Sterile Latex-Free: Yes Rust Prevention Procedure: Passivation Ultrasonic Cleaned: Yes		**1**

		Matt-Polished: Yes Lubricate: Yes Usage: Left Hand or Right Hand Tests Performed: Boil Test, Performance Test, Shape Test Packing: Individually Packed		
9	**Infants scale**	Maximum Capacities: 44 lb. Resolution Range: 0.1 oz (0.002 kg) Dimensions: Weighing Tray: 12.5" W x 21" L x 2-3" D. Scale: 17.5" W x 22.5" L x 6.5" H. Display: 0.75" High LCD. Indicators: Battery Indicator. Hold. kg. Lock. lb.		**2**
10	**IV fluid holders**	Two-piece telescoping 1″ (25mm)-diameter tubulars 16-gauge type 304 stainless steel pole. 20″ (51mm)-diameter, 17-lb. (7.7 kg), five-leg black epoxy coated height-weight base. 3″ (76mm) premium swivel casters with rubber wheel—two with brake. Knob-operated height adjustment from 68″ to 99″ (1727 to 2515mm). Four-hook top. Holds up to 20 lbs. (9.0 kg) of I.V. fluid. Easy-to-clean surfaces.		**2**

11	**Glucometer with strips (code free)**	Weight 0.2 lbs (75 g) Dimensions 3.6 in x 2.3 in x 0.9 in (91 mm x 58 mm x 23 mm) Data Storage 400 glucose measurements or Measurement Range and Units Blood Glucose Measurement Sample Volume Required 1.2uL Time to Glucose Results 6 seconds Battery Information Type 3V Li Button Battery		**2**
12	**Sphygmomanometers**	Purity of mercury 99.99% due to assured triple distillation process. 0 to 300 mm of Hg scale with elegant finish, fine numbering and durable background contrast paint for clear visibility. Fused type, permanent graduation marking on the glass tube. Special control valve for perfect pressure drop. Best quality cuff for getting excellent grip. Surface plating adapted to all exposed metal parts to prevent corrosion. Classic Hi-stove painting to the body of the instrument to withstand in any climate. Optimum damping effect provided for easy and fast measurement.		**6**
13	**Cardiotocography**	The complete unit with printer and all accessories. The monitor is provided with tracings and toco tracings. The unit has: Foetal Heart Rate range 50 to 150		**2**

14	**Otoscope set**	2.5 V halogen lamp, similar to daylight, adjustable luminance. Viewing window with 1X-2x magnification Contain 3 reusable metal aural specula of 2.4, 3.2 and 4mm Diopter.		**3**
15	**AED defibrillator (semi-automatic)**	Defibrillator type: Manual, Asynchronized Standard Adult/Pediatric Paddles Reusable external adult paddles (pediatric paddles integrated) Power Supply: operates from the mains (AC)and battery Battery: charge 3.5h to full full charge to 35 shocks (360 Joules) sealed rechargeable 12-volt NIMH battery Power requirements. AC Power supply 110V, 60 Hz / 220V,50 Hz Vehicle Voltage DC 12V		**3**
16	**Oxygen cylinder**	Water Capacity: 10L Working Pressure: 150BAR Test Pressure: 250BAR Outside Diameter: 180mm Wall Thickness: 9.1mm Cylinder Height: 605mm Empty Weight: 10.1kgs/unit Heat Treatment: tempering With valve		**4**
17	**Nebulizer**	Disposable venture mask with connection to oxygen valve		**700**

18	**CBC machine**	Methodology Electrical resistance for counting, hemoglobin cyanide method and SFT method for haemoglobin Parameter 3-part differentiation of WBC;20 parameters and 3 colour histograms (WBC, RBC,PLT) Work mode double Channel+ unique Hemoglobin test system Sample volume 9.8ul for Venous and capillary mode,20ul for prediluted mode Throughput more than 60 sample results including histograms can be stored, convenient for inquiry and management of history data Storage up to 100000 sample results including histograms can be stored, convenient for inquiry and management of history data Operation language English Reference value setting Male, Female, Children, Neonate		**2**

		Input/output RS232, parallel printer and keyboard Print Graphic thermal printer with various printing format,optional external printer		
19	**Microscope**	Viewing Head Bi-ocular Head inclined at 45 Dual Observation 45,-90 inclined and vertical 360 rotating Sliding Binocular Head Inclined at 45 Compensation Free Binocular Head30 Sliding Free Trinocular Head Inclined at 45 Nosepiece: Ball Beating Quadruple Nosepiece Eyepiece: WF10X18mm Objective: Achromatic 4X,10X,40X(S)100X(S,O) Stage: Double Layer Mechanical Stage 115*125mm Moving range 30X50mm Condenser: Abby NA1.25 condenser with Iris Diaphragm & filter, rack & pinion adjustable Illumination: Build-in Illumination, Halogen lamp6V/20W,Power supply 220V		**2**
20	**Autoclave Sterilizer (18 - 21 litre)**	Sterilization Temp: 121℃,134℃ Drying Procedure: Heating dry Display: LED display Control Precision: Temperature: 1℃ Pressure: 0.1bar Safety System: Hand lock door Relief valve in case of over pressure Pressure or temperature over load protection Alarm for system failure, finish reminding Tray Holder Power Supply: 110/220V±10%, 60/50Hz		**5**

21	**Autoclave Sterilizer (200-250 litre)**	Sterilization Temp.: 121℃,134℃ Drying Procedure: Heating dry Display: LED display Control Precision: Temperature: 1℃ Pressure: 0.1bar Safety System Hand lock door Relief valve in case of over pressure Pressure or temperature over load protection Alarm for system failure, finish reminding Tray Holder Power Supply: 10/220V±10%, 60/50Hz		**4**
22	**Vital signs monitors**	3.5” colour TFT display Suitable for adult, pediatric and neonatal patient Measurement parameters: Pulse Rate/SpO2, CO2 Audible and visual alarms with adjustable alarm ranges Networkable with central monitoring system		**4**
23	**Sutures/different sizes**	Surgical sutures with needle and different sizes		**1**
24	**Minor surgeries set**	Composed of the following: 1Scalpel Knife Handle #3 1 Operating Scissors, Sharp/Blunt 5.5" 1 Mayo Scissors, Straight 5.5" 1 Mayo Scissors, Curved 5.5"		**1**

		1 Metzenbaum Scissors, Curved 7" 1 Dressing Forceps 5.5" 4 Mosquito Forceps, Straight 5" 4 Mosquito Forceps, Curved 5" 4 Kelly Forceps, Straight 5.5" 6 Backhaus Towel Clamps 5.25" 1 Sponge Forceps, Straight, Serrated 9.5" 1 Needle Holder 6" 1 Needle Holder 7" 1 Crile-Wood Needle Holder 6" 1 Probe With Eye 5.5" 1 Grooved Director w/Probe & Tongue Tie 2 Senn Retractor, Double End, Sharp Prongs 2 Allis Tissue Forceps 4x5 Teeth, 6" 1 Frazier Suction Tube 9fr.		
25	**Medical Bed with wheels**	Fowler Bed, Size: 210l X 92w X 60h Cms with mattress		**2**

- Submitted technical offers must include exhaustive descriptions on above characteristics. In order to be considered technically compliant, items must PASS all criteria stated above.