1 **Operating Table**

No.	Item Specifications	Fill your Specification
1	**Description of Functions**	
1.1	Hydraulic operating tables are simple tables for performing surgical procedures and it works without electrical power.	
2	**Operational Requirements**	
2.1	OT Table is required for general surgery and shall have X-Ray translucent tops.	
3	**System Configuration**	
3.1	Operating Table Hydraulic with complete accessories.	
4	**Technical Specifications**	
4.1	Four section table top with divided foot section.	
4.2	The table shall be mobile on castors with efficient braking system for stability during surgery.	
4.3	Table top must be constructed from a high-pressure laminate to permit x-ray penetration and fluoroscopy.	
4.4	All table positioning, i.e., height, back section, lateral tilt, trendelenburg, and anti-trendelenburg, except foot and head section must be operated hydraulically.	
4.5	Shall have a manual position selector, whose location must be interchangeable between foot and head end.	
4.6	The casings on the frame and centre supporting column must be made of hygienic stainless steel.	
4.7	Mattress must be radio lucent and suitable for fluoroscopy.	
4.8	**Dimensions (approx. +/- 10 % variations):**	
	Height: 730-1040 mm.	
	Side tilt: + 15 degrees.	
	Back section adjustment: - 15 degrees to 70 degrees.	
	Foot section adjustment: - 90 to 0 degree, detachable.	
	Trendelenburg: 25 degree.	
	Anti trendelenburg: 25 degree.	
	Head section adjustment: -40 to -30 degrees, detachable.	
	Maximum width: 555 mm.	
	Length: 1950 mm.	
5	**Accessories, spares and consumables**	
5.1	**Accessories:**	
	Padded arm rest with straps: pair with damps.	
	Anesthesia screen with clamps.	
	Side supports: pair with clamps.	
	Knee crutches: pair with damps.	
	X-ray cassette tray.	
	Kidney bridge.	
	SS bowl with clamps.	
	Infusion rod with clamp.	
	Legs Support.	
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.	
6	**Operating Environment**	
6.1	The product offered shall be designed to be stored and to operate normally under Climate, Temperature,Humidity, etc. for Sudan.	
7	**Standards and Safety Requirements**	
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND	
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.	
8	**User Training**	
8.1	Must provide user training (including how to use and maintain the equipment).	
9	**Warranty**	
9.1	Comprehensive warranty for 2 years after acceptance.	
10	**Maintenance Service During Warranty Period**	
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
11	**Documentation**	
11.1	User (Operating) manual in English.	
11.2	Service (Technical / Maintenance) manual in English.	
11.3	List of important spare parts and accessories with their part numbers and costing.	
11.4	Certificate of calibration and inspection from factory.	

2 **I.C.U Beds Five movements**

No.	Item Specifications	Fill your Specification
1	**Description of Function**	
1.1	ICU Beds are required in the Intensive Care for comfort of the patient and to facilitate comfortable transfer to and fro emergency/OT/Wards etc. It is also required to carry out point of care procedures including radiological procedures at the bedside.	
2	**Operational Requirements**	
2.1	The system should be electrically operatable and adjustable for heights, trendelenburg etc.	
	It should also be having radiotransluscent top	

No.	Item Specifications	Fill your Specification
3	**System Configuration**	
3.1	Electrically and pneumatically operated ICU bed with mattress.	
4	**Technical Specifications**	
4.1	Should have four section mattress base	
4.2	Should have X-Ray translucent back section made up of high pressure laminate.	
4.3	Should have X-Ray cassette holder underneath the back section & should allow insertion of X-Ray cassette from either side of the bed.	
4.4	Base frame & support frame should be made up of steel for long life & prevention from rusting.	
4.5	**Should have step less electrical adjustment for the following :-**	
	Height : 450-840 mm	
	Back section : 0- 50 degrees	
	Leg Section : 0-30 degrees	
4.6	Should have step less pneumatic adjustment for Trendelenburg (25° approx.), antitrendelenburg (15° approx.)	
4.7	Should have a manual quick release mechanism for back section adjustment during emergency situation	
4.8	Should be equipped with four articulated half-length tuck away side rails	
4.9	Should be equipped with large castors (diameter 150 mm) with central braking and steering facility.	
4.10	Mattress of the Bed should be made up of high density foam with Anti-Microbial agent incorporated into all components that assists in Prohibiting growth of bacteria & fungi and easy to clean.	
4.11	Mattress should be fully Radiolucent for ease in performing portable X-Rays.	
4.12	4.12 Should have bumpers at all four corners and place for fixing accessories	
4.13	**Dimensions of bed (approx.) :**	
	Length : 2200 -2290 mm	
	Width : 850 -1020mm	
	Mattress Size : appropriate as per bed size	
5	**Accessories, spares and consumables**	
5.1	**Accessories:**	
	· I.C.U Bed Mainframe -01	
	· Bed Ends, detachable : 01 pair	
	· Articulated half-length tuck away side rails : 04 Nos.	
	· IV Rods: 01 No.	
	· Mattress 12 cm Thick : 01 No.	
6	**Operating Environment**	
6.1	The product offered shall be designed to be stored and to operate normally under Power Supply, Climate, Temperature,Humidity, etc. for Sudan.	
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.	
6.3	Resettable overcurrent breaker shall be fitted for protection	
7	**Standards and Safety Requirements**	
7.1	The unit offered shall be certified to meeting the relevant quality and safety requirements of TUV, CE mark (MDD), USFDA, IEC,Radiation safety, safety of pressurised equipment and any other relevant quality and safety standards .	
7.2	7.2 Manufacturer must have ISO certification for quality standards.	
7.3	7.3 Certified to be compliant with IEC 60601-2-38 Medical Electrical Equipment part 2-38 Particular requirements for safety of Electrically Operated Hospital Beds.	
8	**User Training**	
8.1	On site operational training till the familiarity of the system and satisfaction of end user shall be provided.	
9	**Warranty**	
9.1	Comprehensive warranty for 2 years.	
10	**Maintenance Service During Warranty Period**	
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
11	**Documentation**	
11.1	User (Operating) manual in English	
11.2	Service (Technical / Maintenance) manual in English	
11.3	12.3 List of important spare parts and accessories with their part numbers and costing.	
11.4	12.4 Certificate of calibration and inspection from factory.	
11.5	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist.	

3 **Patient Monitor (IBP)**

No.	Item Specifications	Fill your Specification
1	**Description of Functions**	
1.1	A bedside patient monitor to monitor physiological parameters of patients in the critical care units or operating theatres.	
2	**Operational Requirements**	
2.1	It shall operate on AC power supply as well as built-in battery.	
3	**System Configurations**	
3.1	Monitor Patient Bedside 4 chl. colour with ECG/Resp., SpO2, NIBP, Temp, 2IBP	

No.	Item Specifications	Fill your Specification
3.2	All accessories, consumables and etc. required for monitoring of physiological parameters specified herein.	
4	**Technical Specifications**	
4.1	High resolution colour flat panel non-reflective screen: > 10" display size for at least 4 channel waveforms display	
4.2	Display of up to 4 physiological parameter modules without the need for external devices	
4.3	Display waveform: ECG, IBP, SpO2, pulse wave and respiration.	
4.4	Numeric data display: heart rate / pulse rate, respiration rate, NIBP (Systolic, Diastolic, Mean), SpO2 and current time of NIBP measurement.	
4.5	Use interaction via integrated touch screen, press pad/button or rotary knob.	
4.6	With storage of at least 24 hours of trend data in 30-second sampling resolution for all monitored parameters to be displayed graphically and in tabular form.	
4.7	Data resolution shall be minimum of 30 second sampling.	
4.8	Display of trend:	
4.9	a) Trend tables in at least with 1, 5, 15, 30 or 60 -minute display formats; and	
4.10	b) Trend graphs in at least 1, 2, 4, 8, 12 or 24 -hour display formats	
4.11	With storage of events for event recalling, review and documentation. It shall be able to store and record at least 10 events.	
4.12	The monitor shall be protected against the interference from the electric cautery and other electrical equipment.	
4.13	Despite the technical requirements of the networking capability, the networking works shall not be included in this offer.	
4.14	All parameters modules shall work in all monitors within the network and shall be easily interchangeable by the user. There shall be no restriction on the combination of them.	
4.15	**Parameter required:**	
4.16	**ECG/Respiration** with 5 system with cable (1 set) and complete reusable ECG electrodes for Adult & paediatric, 1 set each	
4.17	ECG cable and patient cable 5 leads for disposable electrodes, 1 set	
4.18	Disposable electrodes for adult, child and infant, 50 pcs each	
4.19	Shall come with at least a 2-lead (channel) **ST analysis**	
4.20	With lethal **arrhythmia detection**: at least with detection & monitoring of asystole, ventricular, fibrillation, and ventricular tachycardia and bradycardia.	
4.21	**Pulse oximetry SpO2** with adult and child finger transducer, 1 each.	
4.22	SpO2 reusable sensor for infant, 1pc.	
4.23	Non-invasive blood pressure, NIBP with reusable NIBP Starter Kit	
4.24	NIBP connection hose, 1 set	
4.25	NIBP cuff & tubing for both adult & child (At least 2 different sizes for adult and 4 different sizes for child/ infant/ neonate)	
4.26	Temperature: 2 type of probes required.	
4.27	Core temperature probe adult, child & infant, 1 pc each	
4.28	Skin Temperature probe, adult/child & infant, 1 pc each	
4.29	Invasive blood pressure, IBP for monitoring of 2 IBP	
4.30	Shall come with one complete set of IBP reusable accessories	
4.31	Come with internal rechargeable Lithium battery complete with built-in charger	
4.32	Monitor shall be operated by the battery for at least 60 minutes	
4.33	Come with Alarms for all monitored parameters including: exceeding user-selectable upper and lower limits, life threatening alarms, lead/ probe/ sensor disconnection, system failure or error.	
4.34	Alarm shall have at least 3 levels: Crisis, Warning, and Advisory	
4.35	Alarm notification shall be given by Audible and Visual	
4.36	With networking capability to interface with the central monitor	
4.37	RS232 port with interface with computer	
4.38	System architecture shall be designed such that deactivation or failure of any bedside or central station device on the network shall not disable, inhibit or degrade communication functions among any other devices in the system.	
5	**Accessories, Spare Parts and Consumables**	
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.	
6	**Operating Environment**	
6.1	The product offered shall be designed to be stored and to operate normally under Power Supply, Climate, Temperature,Humidity, etc. for Sudan.	
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metres in length.	
7	**Standards & Safety Requirements**	
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND	
7.2	CE (93/42 EEC Directives) or USFDA or TUV approved product certificate.	
7.3	Shall meet IEC-60601-1-2:2001 General Requirements of Safety for Electromagnetic Compatibility.	
7.4	Shall meet the safety requirements as per IEC 60601-2-27:1994—Medical electrical equipment—Part 2: Particular requirements for the safety of electrocardiographic monitoring equipment.	
8	**User Training**	
8.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.	

No.	Item Specifications	Fill your Specification
9	**Warranty**	
9.1	Comprehensive warranty for 2 years.	
10	**Maintenance Service During Warranty Period**	
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.	
11	**Documentation**	
11.1	User (Operating) manual in English	
11.2	Service (Technical / Maintenance) manual in English	
11.3	List of important spare parts and accessories with their part numbers and costing.	
11.4	Certificate of calibration and inspection from factory.	

4 **Defibrillator with Pacing**

No.	Item Specifications	Fill your Specification
1	**Description of Functions**	
1.1	To be used in emergency & critical care departments to meets various resuscitation and monitoring needs.	
2	**Operational Requirements**	
2.1	It shall operate on AC power supply and internal battery.	
3	**System Configurations**	
3.1	Defibrillator with complete accessories, with Pacing	
4	**Technical Specifications**	
4.1	**Defibrillation function:**	
4.2	It shall be a manual defibrillator for external defibrillation	
4.3	Able to perform synchronized defibrillation and non-invasive pacing therapy.	
4.4	Defibrillation energy selection:	
4.5	External monophasic: 50 - 360J	
4.6	External biphasic: 50 - 200J	
4.7	External Paediatric /neonatal: 2 - 20J	
4.8	System shall be user friendly, lightweight and easily transportable.	
4.9	Waveform shape: biphasic.	
4.10	The defibrillator paddles shall be easily interchangeable among adult, child, infant and internal paddles. It shall come with at least adult and paediatric paddles.	
4.11	Can be used for neonatal/paediatric and adult defibrillation.	
4.12	The unit shall be able to perform defibrillation and monitoring by using disposable electrodes.	
4.13	Shall have an electrode contact-quality indicator to minimize the risk of ineffective defibrillation.	
4.14	Recharge time shall not be held longer than 10 seconds before discharge.	
4.15	Energy charge & discharge and other selection/control buttons shall be available at the paddle handles.	
4.16	**ECG monitoring function:**	
4.17	Shall have a 3-leads ECG, Lead I, II & III, monitoring capability protected from defibrillation by mean of ECG electrodes and through-the-paddles monitoring	
4.18	With heart rate display and alarms	
4.19	With Lead-fault indicator	
4.20	Shall have an integrated thermal printer/ recorder with paper speed of 25mm/sec	
4.21	**General function:**	
4.22	Shall have LCD that displaying at least dual ECG channel, HR, battery status, shock indicator and various data. Bidder to specify size of LCD screen and the no. of waveforms which can be displayed.	
4.23	Shall have audio and visual alarms. (Please indicate in the next column type of alarms available)	
4.24	Shall have HR limit and shockable rhythms alarms	
4.25	Shall have a rechargeable battery when it is fully charged it shall deliver approximately 40 - 50 discharges or 2 hours of continuous ECG monitoring. Bidder to specify the type of battery used and number of discharge and monitoring hour.	
4.26	Must have an electrode contact-quality indicator to minimize the risk of ineffective defibrillation.	
4.27	The unit shall be portable and come with a carrying bag able to keep all required accessories and consumables.	
4.28	Please indicate the weight in kilogram (KG) of the unit included all accessories and carrying case. It shall be within 8kg	
5	**Accessories, Spare Parts and Consumables**	
5.1	**Accessories:**	
	□ Rechargeable battery, 1 piece on the unit	
	□ Thermal paper x 2 rolls/sets	
	□ Power cord x 1 set	
	□ 3 wire ECG cable x 1 set for ECG monitoring	
	□ Disposable ECG electrodes, 50 pieces	
	□ Carry Bag/case x 1 set	
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.	
6	**Operating Environment**	
6.1	The product offered shall be designed to be stored and to operate normally under Power Supply, Climate, Temperature,Humidity, etc. for Sudan.	
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metres in length.	

No.	Item Specifications	Fill your Specification
7	**Standards & Safety Requirements**	
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND	
7.2	CE (93/42 EEC Directives) or USFDA or TUV approved product certificate.	
7.3	Comply to AHA & ACLS requirements or equivalent	
7.4	Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms.	
8	**User Training**	
8.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.	
9	**Warranty**	
9.1	Comprehensive warranty for 2 years.	
10	**Maintenance Service During Warranty Period**	
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.	
11	**Documentation**	
11.1	User (Operating) manual in English	
11.2	Service (Technical / Maintenance) manual in English	
11.3	List of important spare parts and accessories with their part numbers and costing.	
11.4	Certificate of calibration and inspection from factory.	

5 **Electric Suction Machine 2 Bottle**

No.	Item Specifications	Fill your Specification
1	**Description of Function**	
1.1	To extract fluid from the body during surgery or emergency treatment.	
2	**Operational Requirements**	
2.1	Shall operate on mains AC supply .	
3	**System Configuration**	
3.1	The system consists of:	
	□ Suction machine with 2 Jar.	
	□ Suction tubing.	
	□ Two bottles.	
4	**Technical Specifications**	
4.1	The machine shall be portable on four wheels and with a handle for transportation.	
4.2	The vacuum pump must be totally oil-free diaphragm type. Must have maintenance free pumps of international design for continuous use.	
4.3	Motor shall be of Class "F" insulation to operate in ambient temperature to withstand up to 50 oC, with thermal cut-outs.	
4.4	To facilitate maintenance, the cover of the machine must be easy to open from the top & sides.	
4.5	The suction machine must be capable of producing minimum vacuum of approx. 700 mm Hg and which must be adjustable and monitored by vacuum gauge of suitable range. The suction capacity must be 25 litres per minute and can be regulated.	
4.6	It must have two bottles of 2L each . Each made of unbreakable polycarbonate with ABS Lid with float (over flow control device).The jars must be graduated (in cc levels). The suction bottles shall be autoclaveable.	
4.7	On/Off Switch and power indicator must be available.	
4.8	Shall provide foot switch.	
4.9	**Body material:**	
	Base, top & panel made of rust proof and corrosion resistant moulded ABS.	
5	**Accessories, spares and consumables**	
5.1	**Accessories:**	
	□ Spare bottle: 02 nos.	
	□ Lids: 02 nos.	
	□ Rubber Seals: 02 nos.	
	□ Blades: 02 nos.	
	□ Suction tubing set at least 5 metres: 02 nos.	
	□ Spare fuse: 01 set.	
	□ Bacterial filter : 05 nos.	
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.	
6	**Operating Environment**	
6.1	The product offered shall be designed to be stored and to operate normally under Power Supply, Climate, Temperature,Humidity, etc. for Sudan.	
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.	
7	**Standards and Safety Requirements**	
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND	
7.2	CE (93/42 EEC Directives) or USFDA or TUV approved product certificate.	
7.3	Electrical safety conforms to standards for electrical safety IEC 60601-1 General requirement for Electrical safety of Medical Equipment.	
8	**User Training**	
8.1	Must provide user training (including how to use and maintain the equipment).	
9	**Warranty**	

No.	Item Specifications	Fill your Specification
9.1	Comprehensive warranty for 2 years after acceptance.	
10	**Maintenance Service During Warranty Period**	
10.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
11	**Documentation**	
11.1	User (Operating) manual in English.	
11.2	Service (Technical / Maintenance) manual in English.	
11.3	List of important spare parts and accessories with their part numbers and costing.	
11.4	Certificate of calibration and inspection from factory.	

6 **Major Surgical Set**

No.	Item Specifications		Fill your Specification
1	**Technical Specifications**		
	Strilization Box		
	FOERSTER SPONGE FORCEPS 25CM STR. SERR.		
	BACKHAUS TOWEL FORCEPS 130MM		
	SCALPEL HANDLE NO. 3		
	SCALPEL HANDLE NO. 4		
	SCALPEL HANDLE NO. 7		
	TC-EDGE MAYO DISSECT. SCISSORS 17CM STR.		
	TC-EDGE MAYO DISSECT. SCISSORS 17CM CVD.		
	TC-EDGE METZENBAUM SCISSORS 18CM CVD.		
	SCURGICAL SCISSORS 145MM STR.SH-BL.		
	TC UNIVERSAL WIRE CUTTING SCS.12CM ANG.		
	DISSECTING FORCEPS 14,5CM		
	DISSECTING FORCEPS 20CM		
	TISSUE FORSEPS 14,5CM 1X2 TEETH		
	TISSUE FORSEPS 20CM 1X2 TEETH		
	ALLIS TISSUE FORCEPS 15CM 5X6 TEETH		
	BABCOCK TISSUE FORCEPS 16CM		
	HALSTED MOSQUITO FORCEPS 12,5CM STR.		
	HALSTED MOSQUITO FORCEPS 12,5CM CVD.		
	RANKIN-CRILE HEMOSTATIC FCPS. 16CM STR.		
	RANKIN-CRILE HEMOSTATIC FCPS. 16CM CVD.		
	ROCHESTER-PEAN HEMOSTATIC FCPS. 16CM CVD.		
	ROCHESTER-OCHSNER FORCEPS 16CM STR. 1X2 T		
	RICHARDSON RETRACTOR 24CM 28X20MM		
	RICHARDSON RETRACTOR 24CM 36X28MM		
	RICHARDSON RETRACTOR 24CM 44X38CM		
	DEAVER RETRACTOR 300X50MM		
	VOLKMANN RETRACTOR 21,5CM 4 BLUNT PRONGS		
	VOLKMANN RETRACTOR 21,5CM 6 BLUNT PRONGS		
	CUSHING VEIN RETRACTOR 20CM 9X12MM		
	US ARMY D/E RETRACTOR 21CM SET OF 2		
	RIBBON RETRAKTOR 330X25MM		
	RIBBON RETRAKTOR 330X40MM		
	BALFOUR ABDOM.RETRACTOR 250MM SPREAD		
	GROOVED DIRECTOR 14,5CM		
	PROBE WITH EYE 13CM		
	DESCHAMPS LIGATURE NEEDLE 21CM RIGHT BL.		
	DESCHAMPS LIGATURE NEEDLE 21CM LEFT BL.		
	YANKAUER SUCTION TUBE 28CM SS WITH EXTRA OLIVE		
	TC MAYO HEGAR NEEDLE HOLDER 16CM G2500		
	TC MAYO HEGAR NEEDLE HOLDER 18CM; 0,5MM		
2	**Operating Environment**		
2.1	The system offered shall be designed to store and to operate normally under the conditions include Climate, Temperature, Humidity, etc. for Sudan		
3	**Standards and Safety Requirements**		
3.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 AND		
3.2	CE (93/42 EEC Directives) or USFDA approved product certificate.		
4	**User Training**		
4.1	Not applicable		
5	**Warranty**		
5.1	Warranty for 2 years.		
6	**Maintenance Service During Warranty Period**		
6.1	Standard warranty conditions are applicable.		

7 **Surgical Set for Plastic Surgery**

No.	Item Specifications		Fill your Specification
1	**Technical Specifications**		
	Strilization Box	1	
	Towel clips	6	

No.	Item Specifications	Fill your Specification	
	Artery Forceps (Curved)	4	
	Needle Holder	2	
	Curved Scissors	2	
	Straight Scissors	2	
	Allis forceps	2	
	Blade size 14/12	2	
	Towels	16	
2	**Operating Environment**		
2.1	The system offered shall be designed to store and to operate normally under the conditions include Climate, Temperature, Humidity, etc. for Sudan		
3	**Standards and Safety Requirements**		
3.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 AND		
3.2	CE (93/42 EEC Directives) or USFDA approved product certificate.		
4	**User Training**		
4.1	Not applicable		
5	**Warranty**		
5.1	Warranty for 2 years.		
6	**Maintenance Service During Warranty Period**		
6.1	Standard warranty conditions are applicable.		

8

Surgical Set for Burn

No.	Item Specifications		Fill your Specification
1	**Technical Specifications**		
	Strilization Box	1	
	Towel clips	6	
	HUMPH Knife	2	
	Needle Holder (Curved)	2	
	Blade 512E 24	2	
	Curved Scissors	2	
	Ellis Forceps	2	
	Arter Forceps	4	
2	**Operating Environment**		
2.1	The system offered shall be designed to store and to operate normally under the conditions include Climate, Temperature, Humidity, etc. for Sudan		
3	**Standards and Safety Requirements**		
3.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 AND		
3.2	CE (93/42 EEC Directives) or USFDA approved product certificate.		
4	**User Training**		
4.1	Not applicable		
5	**Warranty**		
5.1	Warranty for 2 years.		
6	**Maintenance Service During Warranty Period**		
6.1	Standard warranty conditions are applicable.		

9

I.V Stand

No.	Item Specifications	Fill your Specification
1	**Description of Function**	
1.1	This IV/saline stand is used for hanging various intravenous items such as blood bag, glucose bottle etc.	
2	**Operational Requirements**	
2.1	Epoxy powder coated IV/Saline stand with castors.	
3	**System Configuration**	
3.1	Adjustable IV/saline stand with five legs, with 4 hooks and five swivels castors.	
4	**Technical Specifications**	
4.1	The IV stand shall be made of tubular anti-corrosive and antirust treated epoxy powder coated mild steel, with a 5 pronged base fitted on mobile on swivelling castors of approx. diameter Ø50mm. The castors must be non-rusting and non-marking.	
4.2	The stand should come with stainless steel double IV hook, height adjustable from approximately 1620mm to 2340mm, with a screw knob for height adjustment.	
5	**Operating Environment**	
5.1	The product offered shall be designed to be stored and to operate normally under the conditions. The conditions include Climate, Temperature, Humidity, etc.	
6	**Warranty**	
6.1	Comprehensive warranty for 2 years after acceptance.	