N	NAME	TECHNICAL SPECIFICATION REQUIRED BY THE PURCHASER
1	*Pulsoxymeter*	To monitor pulse oxygen saturation and pulse rate through patient's finger in medical and hospital environments.
		Features:
		SPO2 and pulse rate measurement
		Bargraph of pulse rate
		Perfusion index display. P.I. is a numerical value that indicates the blood perfusion condition at the sensor site. It is a relative value that varies from patient to patient and from measuring site
		Accuracy from the first reading in few seconds thanks to a unique noise rejecton capability feature
		Extra stability against motion during measurement (finger bending, Parkinson's disease, hand movement, button pressing)
		Automatic power on and power off when finger is out
		Low voltage alarm display
		50 hours working time with full batteries
		Supplied in plastic case with batteries and pouch
		Technical Specifications
		Pulse rate:
		range: from 30 to 240 bpm
		accuracy: not more than ± 2 bpm (2%)
		resolution: 1bpm
		SpO2:
		range: from 35% to 99%
		accuracy: not more than ± 3%
		resolution: 1%
		Perfusion Index:
		range: from 0 to 20%
		accuracy: not more than ± 0.2%
		resolution:1%
		Alarm: SpO2: low limit 90%
		Pulse rate: low: < 50 bpm - high > 120 bpm
		LCD Display: oxygen saturation, pulse rate, low battery indicator
		Norms: IEC 60601-1-2 Class II
		Standards (Documentary evidence (copy of certificates):
		ISO13485 or equivalent
		CE Mark (Directive 98/79/EC) or equivalent applicable directive

2	*AMBU emergency case*	Manual Resuscitator, Autoclavable ,with unidirectional Valve Adapted to First Emergencies the unit and the complement to all automatic ventilation
		Designed for Adults. Supplied with 2 masks
		All parts autoclavable: up to 134° C.
		The device consist of a self-filling Bag of thin Silicone Rubber whichtransmit adequately the User's Fingertips Action with a high degree of 'feel' indicative of Pressure and Volumes Changes 2 Face masks
		Balloon: Silicon volume range not less than 1,6L
		Accessories:
		Balloon , autoclavable
		Valve, autoclavable
		Valve Obturator
		PEP Valve Adaptor
		Tube for Pressure retake
		Plastic carrying case
		Standards (Documentary evidence (copy of certificates):
		ISO13485 or equivalent
		CE Mark (Directive 93/42/EEC) or equivalent
3	*Sterilizer box*	Medical sterilizer box is made of stainless steel, is not afraid of temperature and is not subject to corrosion. They are used in clinics, hospitals and other medical institutions.
		Volume: not less than 5L
4	*Semirigid splint set*	The Care kit features versatile Iimb splints that can be used as lefts or rights, Foam
		Kit includes adult arm splint,adult leg splint,arm/shoulder immobilizer,child arm splint,child Ieg splint,straps,and a carrying case,X-ray translucent and MRI compatible
		Neck soft collar
		Adjustment tracks ensure symmetrical alignment. Easy and Accurate one-piece sizing system (16 settings for adult)
		Fully disposable and stores completely flat
		One-piece flip- chin facilities intubation and removal of foreign material from patient's mouth
		Nasal cannula holders function (double side) to secure the oxygen tubes
		Radio-translucent, CAT & MRI compatible
		Posterior and anterior opening design to apply for safe of patient examinations without removing the collar
		Access for pulse checks, airway procedures, and visualization through trachea hole
		Humanizing design to enable touch check the lock/unlock status
		Latex-free, non-toxic, and hypoallergenic.

5	Emergency bag	*NOTE: the following specifications identify the desired configuration of the required emergency bag and of its components. Bidders are allowed to offer functionally equivalent solutions.*
		Manual Aspirator - 1set
		Oxygen Cylinder 2 Litre - 1 ps
		Mouth-to-mouth breathing mask - 1pc
		Thermometer, mercury - 1pc
		Laryngoscope, curved(L,M,S) - 1set
		Equipment for opening Mouth - 1pc
		Lamina for Pressing Lingua, disposable - 1pc
		Flashlight - 1pc
		Tongue Forceps -1pc
		Medicinal Scissor, 12,5cm - 1pc
		Endotracheal Tube, Size 3,4,7,8 - 4pcs
		Stanching Nip, 12,5cm - 1pcs
		Pharynx Airduct - 4 pcs
		Medicinal Forceps, 12,5cm - 1pc
		Gauze Bandage, 10x500cm - 1pc
		Cravat, 100x100x140cm - 2pc
		Medicinal Gauze Pieces, 7.5x7.5cm - 10pcs
		Compressed Gauze, 50x180cm - 2pcs
		Adhesive Plaster, 1.25x200cm - 2pcs
		Medicinal Glove - 1pc
		Alcohol Cotton - 10pcs
		Iodine Cotton Swabs, 5pcs/pac - 4pac
6	Table Top Centrifuge	Centrifuges are required in the laboratory to separate various components of blood for analysis.
		Operational Requirements:
		Aerodynamic compact construction for vibration free performance
		Table top version
		Technical Specifications:
		Tube Capacity: from 5 to 15 ml *(tubes vacutainer)* have a digital timer
		Body made of strong fabricated & corrosion resistant steel
		Control panel - for start/stop switch, dynamic brakes, step less speed regulator with zero start switch & speed indicator with timer and protective fuses.
		Door interlock
		Maintenance - free brushless drive motor with exact speed pre-selection and display.
		Speed range: *from 100 to 5000 rpm, accuracy not less than 1%*
		System configuration accessories, spares and consumables
		Centrifuge complete with fixed angle rotor.
		Amount of tube positions in the angle rotor: *not less than 8*
		Power Supply: 220V/50Hz
		Standards (Documentary evidence (copy of certificates):
		ISO13485 or equivalent

		CE Mark (Directive 98/79/EC) or equivalent applicable directive
7	*Water Still*	Water still must be removes most dissolved solids and pyrogens from tap water or pretreated water.
		Water Still features a thermostat and a water level switch provides automatic operation.
		Protect from over-heating by cut-off when feed water interrupted.
		Easy to clean by removing the condenser from the body.
		The stainless steel double-walled chamber saves electricity.
		Capacity: *not less than 10L*
		Material:
		Interior material: stainless steel
		Exterior material: stainless steel or steel sheet
		Safety Device:
		Should have water level float switch
		Should have over temp. thermostat
		Should have water supply cut-off valve
		Power source: 220V/50Hz
		Overall (WxDxH*): approximately 400x225x545mm*
		Standards:
		ISO13485 or equivalent
		CE Mark (Directive 98/79/EC) or equivalent applicable directive
8	*Laboratory instrument set*	*Micropipettors:*
		Volume: 2-20uL, Increments: 0.02 μL, *Error not more than 1%*
		Volume: 20-200uL, Increments: 0.2μL, *Error not more than 0.8%*
		Volume: 100-1000uL, Increments: 1.0μL, *Error not more than 0.7%*
		Holder for not less than 5 micropipettes - 1pc
		Standards (Documentary evidence (copy of certificates):
		ISO13485 or equivalent
		CE Mark (Directive 98/79/EC) or equivalent applicable directive
9	*Semi-Automatic Chemistry Analyzer*	Semi-Automatic Chemistry Analyzer with incubator
		Minimum measurable parameters: ALT, AST, ALP, ACP, GGT, -HBDH, LDH, CK, AMY, TG , TChol, HDL-Chol, UA, UREA, Cr, Glu, TP, Alb, T-bil, D-Bil, TBA, NH4+, HCO3-, Ca, Mg, Cl , Na, K, apoAI , apoB, Lp (a), C3, C4 , lgG, lgA, lgM, HbA1c, Alcohol, Amphetamines, Barbiturates, Benzodiazepine
		Analysis method not less than:
		Endpoint, with or without reagent blank
		Endpoint, with sample blank and reagent blank
		Kinetics, with or without reagent blank
		Two-point Kinetics/Fixed-time , with or without
		Reagent blank

		Absorbance
		Turbidimetry
		Linear and non-linear calibration
		Light Source
		Tungsten-halogen Iamp: 6V/10W or 12V/20W
		Wavelength Range
		Automatic by 8-position filter wheel
		Optical filter: minimum 8 wavelengths in the range 340nm to 670nm (with unrepeatable filters)
		Bandwidth: not more than 8nm
		Photometric Range: from 0 to 3.5 ABS
		Stability: not more than 0.005A / 20min at 340nm
		Flowcell
		Stainless steel with quartz window
		Measuring volume: not more than 32 μL
		Optical path: not more than 10mm
		Aspiration volume programmable: from 200 to 9000 μL, deviation not more than 10%
		Touch screen with touch pen and popup keypad
		Mouse or Keyboard via USB
		Printer
		Should have built-in thermal printer
		Should have support with laser jet printers
		Interface
		Should have RS232 serial por
		Should have USB port (for keyboard, mouse or external printer)
		Power Requirement
		Power supply: 220V/50Hz
		Incubator for samples may be internal or external:
		Intenal Incubator: not less than 12 position for 10-15mm round tube
		External Incubator:: not less than 24 position for 10-15mm round tube
		Standards (Documentary evidence (copy of certificates):
		ISO13485 or equivalent
		CE Mark (Directive 98/79/EC) or equivalent applicable directive
10	*Urinalysis System*	Automatic urine colour determination
		Should have built-in printer
		Memory capacity: ***not less than 100 results***
		should have interface ports for connection to PC
		Results based upon test strips
		Power Supply: 220V/50Hz.
		Accessories:
		Strips: 100 pcs
		Calibration: 1 box
		Standards (Documentary evidence (copy of certificates):
		ISO13485 or equivalent
		CE Mark (Directive 98/79/EC) or equivalent applicable directive

11	*Medical corp type aluminum pole stretcher*	The Junkin Medical Corps Type Aluminum Pole Stretcher has 1-1/4" poles with shaped nylon handles. Construction is sturdy but light weight. Cover is made of durable 18 oz. vinyl coated nylon or equivalent
		Features:
		Strong Aluminum Construction
		Nylon Handles
		18 oz. Vinyl Coated Nylon or equivalent
		Load Capacity: not less than 100kg
		Color: Green
12	*Patient trolley*	Manufactured from chrome plated steel tube
		Upholstered fixed Top covered with washable plastic material , Flame Retardant
		Complete with side Rails and IV Stand
		Mounted on 4 casters 100 mm two of which with brakes
		Knock down construction.
		Length min: 2000 mm, deviation not more than 10%
		Height: 700 mm, deviation not more than 10%
13	*Table for medical instruments (type A)*	Table Designed for Surgical Instruments Preparation and Display
		Shall be made entirely of Stainless Steel , Top Tray shall have Rounded-Edges andshall be Sound-Deadened
		Heavy Gauge Stainless Steel Framing, Mobile on Anti-Static Casters,
		Indicative Dimensions: 500/600mm
		Height: from 700 to 800mm.
14	*Table for medical instruments (type B)*	Table Designed for Surgical Instruments Preparation and Display
		Shall be made entirely of Stainless Steel , Top Tray shall have Rounded-Edges
		Heavy Gauge Stainless Steel Framing, Mobile on Anti-Static Casters,
		Indicative Dimensions: 1400/600mm
		Height: from 700 to 800mm