

Section II: Schedule of Requirements

Technical specifications for Goods and Comparative Data Table:

LOT 01: Air Mattress -Standard adult type used with paralyzed patients

No	UNOPS Minimum Technical Requirements
1	The mattress should be suitable to prevention of pressure sores
2	Should be made out of Nylon / PVC/ TPU or combination of materials
3	Dimensions: 200 x 88 x 20 cm (+/-10% accepted)
4	The base mattress is composed of air cell structure that can be inflated alternatively
5	Should have at least two air channels for alternate inflation
6	rapid deflation to facilitate CPR
7	The pump should be silent type and maintenance free, can be hung in the bed
8	The unit shall operate on the power supply of 230V±10% 50 Hz
9	Should be ISO13485 or ISO9001 certified
10	User/Technical/Maintenance manuals to be supplied in English.
11	Warranty: 12 months warranty from date of delivery at the final destination

LOT 02: Electric Dry Autoclave machine

No	UNOPS Minimum Technical Requirements
1	Standard Accessories Included
2	01 (One) year standard warranty
3	Should be FDA approved /CE (Conformity Europeans) marked and comply with EU safety standard
4	Manufacturers should have ISO 9001/13485 certification for quality standards
5	Comprehensive training for lab staff/analyst
6	User/Technical/Maintenance manuals to be supplied in English
7	List of important spare parts and accessories with their part numbers with the price should be provided (cost should be valid for 3 years after installation date)
8	Design: Horizontal (front loading)
9	Steam generator: Integrated

10	Using Working Temp: 121°C (max: 134 °C or more)
11	Using Maximum Pressure: 1.2 to 1.3 Kg/cm ² or better
12	Display: Digital display
13	Number of sterilizing program: > 10 programs
14	Memory capacity (Internal/external): >250 cycles
15	Timer: user selectable, 00.00 to 99 Min or better
16	Controller: Microprocessor, Digital PID Controller
17	Safety Device
17.a	Over Temp Protection Device
17.b	Over Press Protection Device
17.c	Sterilizing Time Arrived Buzzer On
17.d	Automatic reset function incoming power cut
18	Integrated vacuum system: Required
19	Interior construction: Integrated stainless-steel structure
20	Data transfer: RS232/RS 485/USB for external data transfer
21	Supplied with 2 nos of wire basket
22	Power: 220-240 V, 50-60 Hz
23	Chamber capacity: 25 L ± 10%

LOT 03: Ultra-sonic scalar machine

No	UNOPS Minimum Technical Requirements
1	Scalar Type : Piezoelectric Ultrasonic
2	Tip Frequency : around 30 kHz ± 2 kHz
3	Output Power: approx. 8W
4	Hand Piece: Detachable from the hand piece cord and autoclavable
5	Control of output power between the minimum and maximum and the control of water supply to the hand piece
6	Tips: 3 different types of scaling tip sets should be supplied with each unit (including endozoic tip). An additional 4 sets of above types should also be supplied with each unit
7	Foot Control Switch Should activate the scalar function
8	Output primary tip vibration excursion: ≤90µm

9	The unit shall operate on the power supply of 230V±10% 50 Hz
10	Should be FDA/CE marked and ISO13485 or ISO9001 certified
11	User/Technical/Maintenance manuals to be supplied in English.
12	Warranty: 12 months warranty from date of delivery at the final destination

LOT 04: Blood Pressure Apparatus (Android Tabletop)

No	UNOPS Minimum Technical Requirements
1	Android table top type sphygmomanometers used for measuring arterial blood pressure
2	Pressure Range - 0 to 300 mmHg
3	The metal parts shall be fabricated from brass, aluminium alloy, stainless steel or powder coated steel
4	The glass/ plastic parts shall be made of clear glass/clear plastic. Glass/plastic shall show no evidence of corrosion, scumming, chipping or cracking e.With clear dial, numbers, and face
5	Following accessories should be supplied with each unit in addition to the standard accessory set
5.a	Rubber Bladder (Adult) - 2 Nos
5.b	Velcro Cuff (Adult) - 2 Nos
5.c	Air Release Valve (chromium plated metallic) – 2 Nos
5.d	Inflator Bulb with metallic back valve - 2 Nos
6	Should be a CE / FDA Approved product and should comply with ISO 13485 or ISO 9001 standards

LOT 05: Microscope (Normal)

No	UNOPS Minimum Technical Requirements
1	Type: Compound trinocular Microscope
2	Focus range: >15 mm
3	Stage: Stage: Double layer, >75x50 mm, >70-30 mm XY movement
4	Eye piece: Wide filed >10x18 mm
5	Nose piece turret: 5 position nosepiece with precision click stops
6	Objectives: 4x, 10X, 40X, 100X Phase Objective
7	Antifungal activity: The unit shall have anti-fungal coated optical lenses and certificate/manufacture confirmation should be attached

8	Condenser: Abbe condenser
9	Built-in Koehler illumination System should be available to obtain well resolved image
10	Camera:
10.a	>6 M Pixel CMOS/CCD
10.b	Ultra HD (4K) resolution or better
10.c	Frame rate: >5/sec
10.d	Interface: USB and SD card
10.e	White balance: Required
10.f	Video stream facility should be available with the camera
11	Power: Should have an external power supply unit
12	Standard Accessories Included
13	01 (One) year standard warranty.
14	Should be FDA approved /CE (Conformity Europeans) marked and comply with EU safety standard
15	Manufacturers should have ISO 9001/13485 certification for quality standards.
16	Comprehensive training for lab staff/analyst.
17	User/Technical/Maintenance manuals to be supplied in English.
18	List of important spare parts and accessories with their part numbers with the price should be provided (cost should be valid for 3 years after installation date)

Delivery requirements and Comparative Data Table:

UNOPS Requirements	
Delivery time	Bidder shall deliver the goods within 04 weeks after Purchase Order / Contract signature.
Delivery place and Incoterms rules	DAP - Colombo, Sri Lanka.
Consignee details	Chief Medical Officer Welikada Prison Hospital, No. 148/6 Baseline Road, Colombo 09, Sri Lanka