

LOT 6 - OUTPATIENT SERVICES

S/No.	LOT NO.	EXPECTED EQUIPMENT	QTY	Estimated Units Price	Estimated Total Price
		CONSULTING ROOMS			
1.	6-1	Examination couch	6		
2.	6-2	Defibrillator	1		
3.	6-3	Patient Monitor	2		
4.	6-4	Emergency Trolley	1		
5.	6-5	Diagnostic set (Wall mounted)	6		
6.	6-6	Blood pressure Machine (Wall Mounted)	6		
7.	6-7	Electrical suction machines	1		
8.	6-8	Wall mounted Examination lights	6		
9.	6-9	Oxygen Flow Meters	6		
10.	6-10	Computer systems with X-ray Viewing capability (HIS)	7		
11.	6-11	Clinical Review table, Chair and Patient Chair	7		
12.	6-12	Wall suction units	3		
13.	6-13	X-ray viewer	3		
14.	6-14	Radiant heaters	0		
15.	6-15	Bladder Scanner	1		
16.	6-16	Ceiling mounted Drip stands	0		
		DRESSING AND TREATMENT ROOM			
17.	6-17	Procedure trolley	2		
18.	6-18	Portable suction units	0		
19.	6-19	Examination couch	2		
		TRIAGE (4No.)			
20.	6-20	Vital signs monitor	2		
21.	6-21	Weighing Scale	1		

S/No.	LOT NO.	EXPECTED EQUIPMENT	QTY	Estimated Units Price	Estimated Total Price
22.	6-22	Blood pressure Machine	0		
23.	6-24	Thermometer (Electronic Ear Thermometer)	2		

LOT 6: OUTPATIENT EQUIPMENT**LOT 6-1 Examination couch**

Item Code No.	Department	Section	Item Description		
LOT 6-1	Outpatient	Consulting Room	Examination Couch		
1. General Description					
Examination Couch Stainless Steel with Mattress					
2. Composition					
1.1.	Main unit				
3. Description of the medical supply unit design type					
3.1 Constructed from round polished SS Pipes					
3.2 Fully adjustable headrest. Top of Polished SS Sheet.					
3.3 Top is upholstered and covered with washable plastic material					
3.4 Legs fitted with thick high-quality nylon gromets.					
3.5 5 cm 50PU density foam cushioned top covered with leathered Rexene of 2mm thickness					
3.6 Top dimensions – L = 72inch X W= 24inch H= 32 inches					
3.7 All the Stainless Steel should be seamless conforming to 304 grade/ 16 gauge and polished finished					
3.8 Box with three drawers and three cabinets.					
3.9 Should have sliding footstep.					
3.10 The head section should be raised with mechanical pneumatic					

LOT 6-2 Defibrillator

Item Code No.	Department	Section	Item Description		
LOT 6-2	Outpatient	Consulting Room	Defibrillator		
1. General Description					
Defibrillator suitable for cardiac care complete with ECG monitoring, SPO ₂ monitoring and NIBP					
2. Composition					
2.1.	Main unit				
3. Performance Specifications					
3.1. Main Unit					
3.1.1. The defibrillator should have biphasic technology having energy selection of maximum 200 joules.					

Item Code No.	Department	Section	Item Description
LOT 6-2	Outpatient	Consulting Room	Defibrillator
3.1.2.	The machine should have facility for ECG monitoring, defibrillation, external pacing & recorder.		
3.1.3.	Machine should have more than 8" TFT Screen.		
3.1.4.	Machine must be with sweep rate 25mm/sec, 50mm/sec.		
3.1.5.	Machine should have 24 hour trend storage facility.		
3.1.6.	Should have 5 leads and capable of monitoring 12 lead configuration ECG through ECG Cables, electrodes & paddles.		
3.1.7.	The machine should have defibrillation facility for adult & pediatric patients.		
3.1.8.	The machine should have ECG waveform display on bright screen along with other vital numeric information.		
3.1.9.	The machine should be compact, portable with built in rechargeable battery & light weight.		
3.1.10.	The machine should have inbuilt auto & manual recorder for printing ECG trace & stored information.		
3.1.11.	The machine should have user selectable alarm setting.		
3.1.12.	The machine should work on mains (without battery) and on battery as well.		
3.1.13.	The machine should have AED feature as inbuilt with manual override for manual operations.		
3.1.14.	Machine must be with carry bag & Accessory bag.		
3.1.15.	The machine must be supplied with all the essential accessories in 2 set & moveable trolley.		
3.1.16.	The Defibrillator should have an ECG display and a three lead ECG cable.		
3.1.17.	The Defibrillator should have SPO2 and must have Non Invasive Pacing.		

LOT 6-3 Patient Monitor

Item Code No.	Department	Section	Item Description
LOT 6-3	Outpatient	Consulting Room	Patient Monitor
1. General Description			
<p>Portable Bedside monitor suitable for use in ICU. Should be capable of continuous measuring/monitoring of the following parameters in adults, neonatal and pediatric.</p> <ul style="list-style-type: none"> • SpO₂ • Temperature • Blood pressure • ECG • Respiration • CO₂ • Pulse Rate 			
2. Composition			

Item Code No.	Department	Section	Item Description		
LOT 6-3	Outpatient	Consulting Room	Patient Monitor		
2.1.	Main unit				
3. Performance Specifications					
3.1. Main Unit					
Portable Bed side monitors					
Type		Roll stand Mounted type, complete with internal rechargeable battery			
Application		Can be used as a both bedside monitor and a transport monitor			
Parameter & waveforms		SpO ₂ , Pulse rate, ECG, NIBP, IBP, Respiration, CO ₂ and temperature			
SpO ₂ , with reusable sensor		0 - 100% \pm 3%			
Pulse Rate		30-300 bpm \pm 1%			
Temperature		0-50°C \pm 0.1%			
NIBP		Mean 10- 300mmHg \pm 5 mmHg			
IBP X2		Mean 00 – 300mm Hg \pm 1 mmHg			
ECG		5 lead, standard configuration			
CO ₂		0 to 99 mmHg \pm 4 mmHg			
Display		Minimum 12.0 inches color touch screen/scroll type			
		6 to 8 waveforms with large font			
Networking		Wireless and wired connection to the central work station			
Storage		Capable of storing patient data and transferring to the central workstation for viewing or printing.			
Audio and visual alarm Printer		For all parameter. Inbuilt Thermal Printer			
Alarm setting limits		Adjustable by user			
Low battery indicator		Audio and visual alarm			
Power Requirement		Rechargeable internal battery, that can last at least 3 hours when fully charged			
Wireless networking		Latest technology.			
4.	Accessories	The following accessories will be provided as startup kits.			
4.1.	ECG connection lead and reusable electrodes	2 Set			
4.2.	SpO ₂ connection cable and sensor (finger probe), reusable	2 Sets			
4.3.	Adult cuff	3 Sets			

Item Code No.		Department	Section	Item Description		
LOT 6-3		Outpatient	Consulting Room	Patient Monitor		
4.4.	Peadiatric cuff		2 Sets			
	Temperature connection cable and probe (reusable)		2 Sets			
4.5.	Recording paper		20 Boxes			
5.	Quality standards					
5.1.	Manufacturing standards		IEC 60601-1, ISO 9001, ISO 13485			
5.2.	Conformity to standards		Directive 2004 / 108 / EC, CE and FDA marked			
6.	Local back up service					
6.1.	Available		Should be available locally			
6.2.	Capacity to service equipment		Agent shall have adequate facilities, spare parts, consumables and qualified and skilled technical staff			
7.	Delivery point					
7.1.	See Schedule		For inspection and testing			
7.2.	Nil					
8.	Pre installation requirements					
	Nil					
9.	Installation and testing					
	Complete installation and setup of the machine as per manufacturer's instructions					
10.	Training					
10.1.	User Training		On site user training on operation and daily up keep			
10.2.	Maintenance training		Onsite maintenance training on preventive maintenance			
11.	Technical documentations					
11.1.	User manuals		2 Sets			
11.2.	Service Manual		1 Set			
11.3.	Drawings		Nil			
12.	Commissioning					
12.1.	Testing and commissioning of the machine to the satisfaction of the user.					

Item Code No.	Department	Section	Item Description
LOT 6-3	Outpatient	Consulting Room	Patient Monitor
13.	Warranty		
13.1.	Equipment	Minimum of one year after commissioning on all parts.	
13.2.	Equipment System	Nil	

LOT 6-4 Emergency Trolley

Item Code No.	Department	Section	Item Description
LOT 6-4	Outpatient	Consulting Room	Emergency Trolley
1. General Description			
Resuscitation trolley for use in ICU. Epoxy coated mild steel, with drawers, protection perimeter and defibrillator holder. The Unit should be mobile on four castors, 2 lockable			
2. Composition			
2.1.	Main unit,		
3. Performance Specifications			
3.1. Main Unit 3.1.1. Should be durable with Ergonomic handle and should have easy grip 3.1.2. Height should be 40-45" 3.1.3. Should have 6-8 drawers of sizes 3x3",2x6",1x9" 3.1.4. Should have interchangeable 3",6",9" drawers which run smoothly on good quality channels 3.1.5. Should have provision of side storage which allows storage of variety accessories like can, storage bins, glove storage, sharp container set 3.1.6. An over bridge can with baskets, shelves and bins to keep important things 3.1.7. Should have AMS top surface & advance polymer material which is easy to clean. It should not dent, chip flake or corrode 3.1.8. Should be easily rolling and has toe brakes 3.1.9. Should have I.V. pole with clamps ach 3" drawer should have provision for 25-30 compartments 3.1.10. Should have twin swivel castors & central lock 3.1.11. Should be CE and ISO 9001/2000 and FDA approved 3.1.12. Should have CPR board & O2 cylinder holder			

LOT 6-5 Diagnostic set (Wall mounted)

Item Code No.	Department	Section	Item Description
LOT 6-5	Outpatient	Consulting Room	Diagnostic set (Wall mounted)
1. General Description			
Diagnostic Set Wall Mounted			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			
<p>3.1. 3.5-volt Ophthalmoscope and otoscope set suitable for Wall-mounting with locking collars and locking device. Must include light intensity rheostat in the handle and automatic on/ off cradle switches. All screws, wall plugs etc. necessary for mounting the unit on the wall must be included.</p> <ul style="list-style-type: none"> i. Ophthalmoscope, mirror type with 3.5 volt Halogen/LED lamp, sliding focusing device from -25 to +40 diopters and five apertures including a slit, pinhole, large hole fixation or white line grid and red-free filter. ii. Otoscope, fibre-optic with 3.5 volt Halogen/LED lamp 2mm, 3mm, 4mm and 5mm polypropylene flanged specula. iii. Two spare lamps for ophthalmoscope and two spare lamps for the otoscope. iv. Wall mounting facility with locking collars, mains operated and +-3m spiral cord with sealed 3pin plug. v. Locking device to secure Ophthalmoscope and otoscope heads to handles <p>Specula for item No. ii and spare lamps must be freely available.</p>			

LOT 6-6 Blood pressure Machine (Wall Mounted)

Item Code No.	Department	Section	Item Description
LOT 6-6	Outpatient	Consulting Room	Blood pressure Machine (Wall Mounted)
1. General Description			
Sphygmomanometer - Aneroid Type			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			
<p>3.1. Should be aneroid type,</p> <p>3.2. Should have ISI mark.</p> <p>3.3. Should have a measuring range from 0 to 300 mmHg,</p> <p>3.4. Should be provided with adult arm cuffs of size medium & large and paediatric cuff.</p>			

Item Code No.	Department	Section	Item Description
LOT 6-6	Outpatient	Consulting Room	Blood pressure Machine (Wall Mounted)
<p>3.5. The dial mano meter markings and graduations should be permanent and clearly visible and filled with pigments, with diameter of minimum diameter of 160 mm.</p> <p>3.6. Body & Bezel – Aluminum die casted (Powder coated), screw type bezel</p> <p>3.7. Sensing-corrugated phosphorous bronze twin capsule bellows.</p> <p>3.8. Movement mechanism – Brass</p> <p>3.9. Connection: brass, nickel plated for 3-4 mm rubber hose.</p> <p>3.10. Dial – Aluminum</p> <p>3.11. Pointer – White coated, thin & sharp made of phosphorous Bronze</p> <p>3.12. Window lenses – Clear plastic.</p> <p>3.13. All plastic parts, if any used should not crack, flake, peel or disintegrate in normal use.</p> <p>3.14. The inflating rubber bag should be capable of withstanding an internal pressure of 450 mmHg without leaking.</p> <p>3.15. The inflating bulb should be soft and should not have any joints or ridges.</p> <p>3.16. The fastening arrangements of the cuff should be of hook and loop type (Velcro)</p> <p>3.17. The threading and fastening arrangement of the cuff should show no sign of slip or failure when subjected to the maximum test conditions.</p> <p>3.18. The rubber tubes used should have an internal diameter of $3 \pm 0.5\text{mm}$ and the external diameter should not be less than 8mm.</p> <p>3.19. The tubes should be fitted with male and female leur connectors.</p> <p>3.20. Should provide a carry bag to keep the whole system safe and sound. All parts should be replaceable in case of breakage.</p>			

LOT 6-7 Electrical Suction Machines

Item Code No.	Department	Section	Item Description
LOT 6-7	Outpatient	Consulting Room	Electrical Suction Machines
1. General Description			
<p>Suction machine suitable for use in theatre, for both adult and pediatric use.</p> <p>Should be constructed from coated non-corrosive, extreme heat resistance material and electrically insulated and mobile on antistatic castors ϕ 60 mm, 2 No. lockable, with high level push handle.</p>			
2. Composition			
2.1.	Main unit		
3. Performance Specifications			
3.1.	Main Unit		
3.1.1.	High flow rate	40 litres per minute.	

Item Code No.	Department	Section	Item Description
LOT 6-7	Outpatient	Consulting Room	Electrical Suction Machines
3.1.2.	Suction vacuum	Maximum 700mmHg	
3.1.3.	Suction pump	oil free	
3.1.4.	Jars	2 X 2 liter polycarbonate autoclavable and unbreakable complete with overflow devices and valves.	
3.1.5.	Vacuum gauge	Graduated in mmHg and kPa.	
3.1.6.	Vacuum control	Adjustable at the front panel	
3.1.7.	Switch	Main on front panel and foot switch (water proof type)	
3.1.8.	Cable towage	On back with reversible cleats	
3.1.9.	Anti-bacterial filters	Available preferable autoclavable	
3.1.10.	Suction tubing connection	Antistatic neoprene or silicone	
3.1.11.	Safety	Overflow pump protection	
3.1.12.	Handle	High level push handle type	
3.1.13.	Movements	Mobile on four antistatic castors 2 No. lockable.	
4.	Physical characteristics		
4.1.	Main unit	Mobile on castors with push handle	
5.	Operating environment		
5.1.	Power Requirements	240V, A/c 50 Hz, Single phase, 3 Pin Plug BS standard, 3m long cord with PE	
5.2.	Ambient temperature	10° C to 40° C	
5.3.	Relative humidity	20% to 90%	
6.	Accessories	The following accessories will be provided as startup kits.	
6.1.	Sterilizable, silicone tubing	5 Set	
6.2.	Bacterial filters	1 Box	
6.3.	Foot switch	1 No.	

Item Code No.	Department	Section	Item Description		
LOT 6-7	Outpatient	Consulting Room	Electrical Suction Machines		
6.4.	Cannula with handle for general purpose	4 Sets			
7.	Quality standards				
7.1.	Manufacturing standards	EN 10079-1, IEC 60601-1, ISO 9001, ISO 13485			
	Conformity to standards	CE and FDA marked			
8.	Local back up service				
8.1.	Available	Should be available locally			
8.2.	Capacity to service equipment	Agent shall have adequate facilities, spare parts, and qualified and skilled technical staff			
9.	Delivery point				
9.1.	See Schedule	For inspection and testing			
9.2.	Nil				
10.	Pre installation requirements				
	Nil				
11.	Installation and testing				
	Complete installation and setup of the machine as per manufacturer's instructions				
12.	Training				
12.1.	User Training	On site user training on operation and daily up keep			
12.2.	Maintenance training	Onsite maintenance training on preventive maintenance			
13.	Technical documentations				
13.1.	User manuals	2 Sets			
13.2.	Service Manual	1 Set			
13.3.	Drawings	Nil			
14.	Commissioning				
14.1.	Testing and commissioning of the machine to the satisfaction of the user.				

Item Code No.	Department	Section	Item Description			
LOT 6-7	Outpatient	Consulting Room	Electrical Suction Machines			
15.	Warranty					
15.1.	Equipment	Minimum of one year after commissioning on all parts.				
15.2.	Equipment System	Nil				

LOT 6-8 Wall Mounted Examination Lights

LOT 6-8 Wall Mounted Examination Lights					
Item Code No.		Department	Section	Item Description	
LOT 6-8		Outpatient	Consulting Room	Wall Mounted Examination Lights	
1. General Description					
The LED technology should be of highly engineered optical system which delivers the precisely controlled natural white light that is so important for an accurate examination.					
2. Composition					
2.1.	Main unit				
3. Description of the medical supply unit design type					
Should have mobile Floor Stand SLSE50-CM or Wall/Ceiling Mount					
STANDARD DESIGN FEATURES					
3.1. High-intensity of 39,000 lux (3623 fc) at 24” (61 cm)					
3.2. 4000 K color temperature					
3.3. CRI (Color Rendering Index) of 92					
3.4. Natural white light					
3.5. LED light module with at least 40,000-hour life					
3.6. Universal input voltage					
3.7. Drift-free K-arm with 42” (107 cm) arm range					
3.8. IEC 60601-1/ 60601-2-41 certified					
3.9. Should have European CE or USA certificate					
3.10. Should be supplied with European or USA country of origin certificate.					

LOT 6-9 Oxygen Flow Meters

Item Code No.	Department	Section	Item Description
LOT 6-9	Outpatient	Consulting Room	Oxygen Flow meters
1. General Description			
Oxygen Flow meter with Humidifier:			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			
3.1. Should be duly USFDA or CE marked by the European notified body 3.2. The Flowmeter should be fitted with BS standard Medical Oxygen Probe. 3.3. Back Pressure Compensated flow meter will be of accurate gas flow measurement with control within a range of 0 to 15 Lpm. 3.4. It should meet strict precision and durability standard. 3.5. The flow meter body should be made of brass chrome plated materials. 3.6. The flow tube and shroud components should be made of clear, impact resistant polycarbonate. 3.7. Flow Tube should have large and expanded 0 – 5 lpm range for improved readability at low flows. 3.8. Inlet filter of stainless-steel wire mesh to prevent entry of foreign particles. 3.9. The humidifier bottle should be made of unbreakable & Reusable of polycarbonate material and autoclavable at 134 degree centigrade.			

LOT 6-10 Computer systems with X-ray Viewing capability (HIS)

Item Code No.	Department	Section	Item Description
LOT 6-10	Outpatient	Consulting Room	Computer system with X-ray Viewing capability (HIS)
1. General Description			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			

LOT 6-11 Clinical Review table, Chair and Patient Chair

Item Code No.	Department	Section	Item Description
LOT 6-11	Outpatient	Consulting Room	Clinical Review Table, Chair and Patient Chair
1. General Description			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			

LOT 6-12 Wall Suction Units

Item Code No.	Department	Section	Item Description
LOT 6-12	Outpatient	Consulting Room	Wall Suction Unit
1. General Description			
Ward Wall Vacuum Units:			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			
3.1. Should be duly USFDA or CE marked by the European notified body 3.2. Vacuum Unit should be wall mounted and should consists of Suction Controller/ Regulator & Collection bottle of 1000ml. with mounting arrangement. 3.3. The Vacuum unit should be fitted with BS standard Vacuum probe. 3.4. The vacuum regulator should be step-less adjustable and have large vacuum gauge providing indication of the suction supplied by the regulator. 3.5. Safety trap should be provided inside the jar to safeguard the regulator from overflowing. 3.6. The unit should be consisting of reusable 1000ml. shatter resistant bottle, each made up of poly carbonate material and fully autoclavable at 1340C.			

LOT 6-13 X-Ray Viewer

Item Code No.	Department	Section	Item Description
LOT 6-13	Outpatient	Consulting Room	X-ray Viewer
1. General Description			
X-RAY-VIEW BOX (LED Light)			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			
<p>A) Product & Manufacturer Quality Standards:</p> <p>3.1. Should be FDA/ CE approved product.</p> <p>3.2. Manufacturer and Supplier should have ISO 13485 certification for quality standards.</p> <p>B) TECHNICAL CHARACTERISTICS</p> <p>3.3. Should be ultra-thin X ray film illuminator using LED light</p> <p>3.4. It should have a thickness of 30 mm</p> <p>3.5. It should be suitable for viewing 14''x17' film.</p> <p>3.6. Should have position to insert 8 films in 2 rows.</p> <p>3.7. The LED light must have a life span of more than 50,000 hours.</p> <p>3.8. It should have easy insertion & removal of the film.</p> <p>3.9. It should have homogeneous illumination more than 95% and maximum intensity of over 10,000 lux.</p> <p>3.10. It should have an on-off switch along with digital feather touch dimmer and a button to set the intensity</p> <p>3.11. It should have fully electronic continuous brightness control, with adjustment range of approximately 90%.</p> <p>3.12. It should be directly connected to power supply without any external adapters.</p> <p>3.13. It should have flicker free high frequency light for reduction of eye strain.</p> <p>3.14. It should have external fuses for protection against power surge.</p> <p>3.15. 10 step Digital dimmer facility with step up/step down intensity of 500 lux or less.</p> <p>3.16. Should have automatic film sensor</p> <p>3.17. Should have facility to switch on only the section where the film needs to be viewed.</p> <p>C) Power supply:</p> <p>3.18. 240V, AC, 50Hz. Single phase</p>			

LOT 6-14 Procedure Trolley – Dressing and Treatment Room

Item Code No.	Department	Section	Item Description
LOT 6-14	Outpatient	Consulting Room	Procedure Trolley
1. General Description			
Procedure/Dressing Trolley			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			
3.1. Overall approx. Size: 780mmL x 500mmW x 900mmH			
3.2. Approximate shelf dimension 750mmL x 500mmW.			
3.3. Tubular CRC frame mounted on four castors of minimum 100mm dia and should be pre-treated and epoxy coated finish.			
3.4. Two S.S. of 304 grade shelves with protective railings on three sides.			
3.5. Should have provision for holding bowl and bucket.			
3.6. Warranty: 2year			

LOT 6-15 Portable Suction Units

Item Code No.	Department	Section	Item Description
LOT 6-15	Outpatient	Dressing and Treatment Room	Portable Suction Unit
1. General Description			
Suction machine suitable for use in theatre, for both adult and pediatric use. Should be constructed from coated non-corrosive, extreme heat resistance material and electrically insulated and mobile on antistatic castors ϕ 60 mm, 2 No. lockable, with high level push handle.			
2. Composition			
2.1.	Main unit		
3. Performance Specifications			
3.1.	Main Unit		
3.1.1.	High flow rate	40 litres per minute.	
3.1.2.	Suction vacuum	Maximum 700mmHg	
3.1.3.	Suction pump	oil free	

Item Code No.	Department	Section	Item Description
LOT 6-15	Outpatient	Dressing and Treatment Room	Portable Suction Unit
3.1.4.	Jars	2 X 2 liter polycarbonate autoclavable and unbreakable complete with overflow devices and valves.	
3.1.5.	Vacuum gauge	Graduated in mmHg and kPa.	
3.1.6.	Vacuum control	Adjustable at the front panel	
3.1.7.	Switch	Main on front panel and foot switch (water proof type)	
3.1.8.	Cable towage	On back with reversible cleats	
3.1.9.	Anti-bacterial filters	Available preferable autoclavable	
3.1.10.	Suction tubing connection	Antistatic neoprene or silicone	
3.1.11.	Safety	Overflow pump protection	
3.1.12.	Handle	High level push handle type	
3.1.13.	Movements	Mobile on four antistatic castors 2 No. lockable.	
4.	Physical characteristics		
4.1.	Main unit	Mobile on castors with push handle	
5.	Operating environment		
5.1.	Power Requirements	240V, A/c 50 Hz, Single phase, 3 Pin Plug BS standard, 3m long cord with PE	
5.2.	Ambient temperature	10° C to 40° C	
5.3.	Relative humidity	20% to 90%	
6.	Accessories	The following accessories will be provided as startup kits.	
6.1.	Sterilizable, silicone tubing	5 Set	
6.2.	Bacterial filters	1 Box	
6.3.	Foot switch	1 No.	
6.4.	Cannula with handle for general purpose	4 Sets	
7.	Quality standards		
7.1.	Manufacturing standards	EN 10079-1, IEC 60601-1, ISO 9001, ISO 13485	
	Conformity to standards	CE and FDA marked	

Item Code No.	Department	Section	Item Description			
LOT 6-15	Outpatient	Dressing and Treatment Room	Portable Suction Unit			
8.	Local back up service					
8.1.	Available	Should be available locally				
8.2.	Capacity to service equipment	Agent shall have adequate facilities, spare parts, and qualified and skilled technical staff				
9.	Delivery point					
9.1.	See Schedule	For inspection and testing				
9.2.	Nil					
10.	Pre installation requirements	Nil				
11.	Installation and testing					
	Complete installation and setup of the machine as per manufacturer’s instructions					
12.	Training					
12.1.	User Training	On site user training on operation and daily upkeep				
12.2.	Maintenance training	Onsite maintenance training on preventive maintenance				
13.	Technical documentations					
13.1.	User manuals	2 Sets				
13.2.	Service Manual	1 Set				
13.3.	Drawings	Nil				
14.	Commissioning					
14.1.	Testing and commissioning of the machine to the satisfaction of the user.					
15.	Warranty					
15.1.	Equipment	Minimum of one year after commissioning on all parts.				
15.2.	Equipment System	Nil				

LOT 6-16 Examination Couch - Dressing and Treatment Room

Item Code No.	Department	Section	Item Description
LOT 6-16	Outpatient	Consulting Room	Examination Couch
1. General Description			
Examination Couch Stainless Steel with Mattress			
2. Composition			
1.2.	Main unit		
3. Description of the medical supply unit design type			
3.11 Constructed from round polished SS Pipes 3.12 Fully adjustable headrest. Top of Polished SS Sheet. 3.13 Top is upholstered and covered with washable plastic material 3.14 Legs fitted with thick high-quality nylon gromets. 3.15 5 cm 50PU density foam cushioned top covered with leathered Rexene of 2mm thickness 3.16 Top dimensions – L = 72inch X W= 24inch H= 32 inches 3.17 All the Stainless Steel should be seamless conforming to 304 grade/ 16 gauge and polished finished 3.18 Box with three drawers and three cabinets. 3.19 Should have sliding footstep. 3.20 The head section should be raised with mechanical pneumatic			

LOT 6-17 Vital Signs Monitor

Item Code No.	Department	Section	Item Description
LOT 6-17	Outpatient	Triage	Vital Signs Monitor
1. General Description			
Vital signs Monitor suitable for use in operating theaters. Should be capable of continuous measuring/ monitoring of the following parameters in adults, neonatal and pediatric. <ul style="list-style-type: none"> • SpO₂ • Temperature • Blood pressure • Pulse Rate 			
2. Composition			
2.1.	Main unit		
3. Performance Specifications			
3.1.	Main Unit		

Item Code No.	Department	Section	Item Description
LOT 6-17	Outpatient	Triage	Vital Signs Monitor
3.1.1.	The unit should be a model or type on current production capable of measuring/monitoring the following parameters		
3.1.2.	SpO ₂ , with reusable sensor	0 - 100% ± 3%	
3.1.3.	Pulse Rate	30-300 bpm ± 1%	
3.1.4.	Temperature	0-50 ⁰ C ± 0.1%	
3.1.5.	NIBP	Mean 10- 300mmHg ± 5 mmHg	
3.1.6.	IBP	Mean 50 – 300mm Hg ± 1 mmHg	
3.2.	Display	At least 12 inches color touch screen type/rotary knob	
3.2.1.		6 to 8 waveforms mode with large font	
3.3.	Printer	Inbuilt, thermal array or equivalent	
3.3.1.		Two speed, selectable	
3.3.2.		Port for external printer	
3.4.	Networking	Port for networking with Ethernet or equivalent Or Serial Port RS 232	
3.5.	Input		
3.6.	Storage	Capable of storing patient data	
4.	Safety requirements		
4.1.	Audio and visual alarm	For all parameter.	
4.2.	Alarm setting limits	Adjustable by user	
4.3.	Low battery indicator	Audio and visual alarm	
4.4.	Internal battery	Provided, rechargeable, can operate for at least 3 hours	
5.	Physical characteristics		
5.1.	Main unit		
5.2.	Dimensions	Portable with a recharge dock or equivalent recharging unit	
6.	Operating environment		
6.1.	Power Requirements	240V, A/c 50 Hz, Single phase, 3 Pin Plug, 3m long cord BS type with PE	
6.2.	Ambient temperature	10° C to 40° C	

Item Code No.	Department	Section	Item Description
LOT 6-17	Outpatient	Triage	Vital Signs Monitor
6.3.	Relative humidity	20% to 90%	
7.	Accessories	The following accessories will be provided as startup kits.	
7.1.	SpO ₂ connection cable and sensor (finger probe), reusable	2 Sets	
7.2.	Adult cuff	2 Sets	
7.3.	Pediatric cuff	2 Sets	
7.4.	Temperature connection cable and probe (reusable)	2 Sets	
7.5.	Recording paper	2 sets of 5 rolls	
7.6.	ECG Cable	1 No.	
7.7.	Grounding lead	1 No.	
8.	Quality standards		
8.1.	Manufacturing standards	IEC 60601-1, ISO 9001, ISO 13485	
8.2.	Conformity to standards	Directive 2004 / 108 / EC, CE and FDA approved	
9.	Local back up service		
9.1.	Available	Should be available locally	
9.2.	Capacity to service equipment	Agent shall have adequate facilities, spare parts, consumables and qualified and skilled technical staff	
10.	Delivery point		
10.1.	See Schedule	For inspection and testing	
10.2.	Nil		
11.	Installation and testing		
	Complete installation and setup of the machine as per manufacturer's instructions		
12.	Training		
12.1.	User Training	On site user training on operation and daily upkeep	
12.2.	Maintenance training	Onsite maintenance training on preventive maintenance	

LOT 6-18 Weighing Scale – Triage

Item Code No.	Department	Section	Item Description
LOT 6-18	Outpatient	Consulting Room	Weighing Scale
1. General Description			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			
3.1. Mobile Weighing Scale with height meter 3.2. Capacity approx. 0-160kg 3.3. With circular scale/readout 3.4. With mechanical height rod able to measure between 70cm-2000cm 3.5. With BMI display 3.6. Easy to clean platform with reset to zero function 3.7. With flat tread area platform approximately 360mm (W) X 630mm (D) 3.8. Height approx. 1000mm 3.9. With mechanical column scale 3.10. Displays weight with BMI function 3.11. Graduation approximately 500g. 3.12. Warranty 2 years 3.13. With Calibration Certificate 3.14. FDA/ CE Marked 3.15. With heavy duty transport castors 3.16. Operator and service manuals to be provided			

LOT 6-19 Blood Pressure Machine – Triage

Item Code No.	Department	Section	Item Description
LOT 6-19	Outpatient	Consulting Room	Blood Pressure Machine (Aneroid Type)
1. General Description			
Sphygmomanometer - Aneroid Type			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			

Item Code No.	Department	Section	Item Description
LOT 6-19	Outpatient	Consulting Room	Blood Pressure Machine (Aneroid Type)
3.1. Should be aneroid type, 3.2. Should have ISI mark. 3.3. Should have a measuring range from 0 to 300 mmHg, 3.4. Should be provided with adult arm cuffs of size medium & large and paediatric cuff. 3.5. The dial manometer markings and graduations should be permanent and clearly visible and filled with pigments, with diameter of minimum diameter of 160 mm. 3.6. Body & Bezel – Aluminum die casted (Powder coated), screw type bezel 3.7. Sensing-corrugated phosphorous bronze twin capsule bellows. 3.8. Movement mechanism – Brass 3.9. Connection: brass, nickel plated for 3-4 mm rubber hose. 3.10. Dial – Aluminum 3.11. Pointer – White coated, thin & sharp made of phosphorous Bronze 3.12. Window lenses – Clear plastic. 3.13. All plastic parts, if any used should not crack, flake, peel or disintegrate in normal use. 3.14. The inflating rubber bag should be capable of withstanding an internal pressure of 450 mmHg without leaking. 3.15. The inflating bulb should be soft and should not have any joints or ridges. 3.16. The fastening arrangements of the cuff should be of hook and loop type (Velcro) 3.17. The threading and fastening arrangement of the cuff should show no sign of slip or failure when subjected to the maximum test conditions. 3.18. The rubber tubes used should have an internal diameter of $3 \pm 0.5\text{mm}$ and the external diameter should not be less than 8mm. 3.19. The tubes should be fitted with male and female luer connectors. 3.20. Should provide a carry bag to keep the whole system safe and sound. All parts should be replaceable in case of breakage.			

LOT 6-20 Electronic Ear Thermometer – Triage

Item Code No.	Department	Section	Item Description
LOT 6-20	Outpatient	Consulting Room	Electronic Ear Thermometer
1. General Description			
Digital Thermometer			
2. Composition			
2.1.	Main unit		
3. Description of the medical supply unit design type			
3.1. Range of temperature measurement 32°C - 42°C (89.60F-109.40F)			

Item Code No.	Department	Section	Item Description
LOT 6-20	Outpatient	Consulting Room	Electronic Ear Thermometer
3.2. Can be calibrated in both centigrade and Fahrenheit, but if only one option is available, then Centigrade is preferable. 3.3. Buzzer signal function. 3.4. Takes 10-15 seconds to measure temperature. 3.5. Can be used in the armpit/axilla, orally and rectally. 3.6. Accuracy of temperature ± 0.1 0C and ± 0.2 F. 3.7. User's interface: LCD display 3.8. Manufacturer should be ISO13485 approved 3.9. Product should be FDA/CE approved			