



Republic of the Philippines
Cordillera Administrative Region
Provincial Local Government Unit of Ifugao
BIDS AND AWARDS COMMITTEE
3rd Floor PEO Bldg., Capitol Compound
Lagawe, Ifugao
Email Ad.: bacgoodsifugao13@gmail.com



INVITATION TO BID

Publication No. 25-2023-G (First Publication)

For Medical Equipment

1. The **Provincial Government of Ifugao**, through the **General Fund** intends to apply the sum of **Twenty-Seven Million Four Hundred Thirteen Thousand Three Hundred Ninety Pesos only (PhP27,413,390.00)** being the ABC to payments under the contract for **Publication No. 25-2023-G**. Bids received in excess of the ABC shall be automatically rejected at bid opening. **(Please see attached “ANNEX 1” for the item/s to be bidde**d**).**
2. The **Provincial Government of Ifugao** now invites bids for the above Procurement Project. Delivery of the Goods is required **within thirty (30) calendar days from receipt by the winning bidder of the Purchase Order**. Bidders should have completed, within **the last five (5) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
 - a. Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
4. Prospective Bidders may obtain further information from the Bids and Awards Committee (BAC) of the Provincial Government of Ifugao and inspect the Bidding Documents at the address given below during **8:00 o’clock AM to 5:00 o’clock PM**.

5. A complete set of **Bidding Documents** may be purchased by interested Bidders at the Bids and Awards Committee Office, 3rd Floor, PEO Bldg., Capitol, Lagawe, Ifugao on **May 18, 2023 to June 22, 2023** upon presenting a proof of payment in person, of a non-refundable bidding fee of **Twenty-Five Thousand Pesos (PhP25,000.00)**.
6. The Bids and Awards Committee (BAC) of the Provincial Government of Ifugao will hold a Pre-Bid Conference on **June 01, 2023 at 01:30 P.M.** at the Bids and Awards Committee Office, 3rd Floor, PEO Bldg., Capitol, Lagawe, Ifugao, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the Bids and Awards Committee Office, 3rd Floor, PEO Bldg., Capitol, Lagawe, Ifugao on or before **01:30 P.M. basing on the BAC OFFICE - Wall Clock of June 22, 2023.** Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid Opening shall be on **June 22, 2023 at 02:00** in the afternoon at the address stated above. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The **Provincial Government of Ifugao** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

*The Secretariat on Goods
Bids and Awards Committee
bacgoodsifugao13@gmail.com
0965-407-3198*

Date of Posting: May 18, 2023

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CARMELITA B. BUYUCCAN
BAC Chairperson

"ANNEX 1"

ITEM No.	Item Description	QTY.	Unit of issue	Unit Cost	Total Cost
	VIII. MEDICAL EQUIPMENT				
1	CAUTERY MACHINE, Brand New	5	units		
	Specifications:				
	Weight: 5.2- 5.5kg				
	Power Supply: 100- 240VAC/50-60 Hz, with auto selection.				
	Size:15cm - 16cm x 30cm - 32cm x 37cm - 40cm(H x W x D)				
	Operating Frequency: 387- 395 kHz				
	Electrical Power: 900VA- 1000VA				
	Current Consumption: 6.6A- 7.0A(127VAC mains) and 4.6A- 5.0A				
	Characteristics:				
	-Should meet the electromedical equipment safety standards NBR IEC 60601-1, NBR IEC 60601- 2-2				
	-Should have micro processed generator				
	-Should have three(3) independent digital displays that show cut, coagulation and bipolar power levels				
	- Should have 8-12 cutting functions including delicate, high cut and pulsed cuts with 4 effects				
	-Should have at least four(4) coagulation modes including fulgurations and dessications				
	-Should have at least four(4) bipolar modes including micro and macro				
	-Should have endoscopic cut functions				
	-With 1 watt adjustment increment except for micro bipolar which has 0.5 watt of increment				
	-With separate foot switch each for monopolar and bipolar				
	-With two(2) monopolar outputs activated by hand switch pen or foot switch with simultaneous activation for				
	-With automatic recognition of patient plate(single or REM-split)				
	-With monopolar and bipolar remote function to adjust power levels using control accessories				
	-Should be compatible with argon plasma coagulator				
	-With natural convection cooling system				
	-With visual and audible alarms for faults				
	-With quality contact monitoring				
	-With visual indication of plate contact level				
	-System automatically assists initial cut power level				
	-With initial self- test for functions and systems, showing error codes for detected faults				
	-With save/load function for recording and retrieving power levels				
	-Protection against electric shock: CF Class 1				

	-Machine can be used for either General Surgery, Gynecology, Dermatology, Plastic Surgery, Endoscopy, Oral Surgery, pediatric Surgery, ORL/ENT Surgery, Neuro Surgery or Orthopedics.				
2	BRAND NEW EXAMINATION LIGHT, Brand New	12	units		
	Physical/Technical Specification:				
	Height: 1450mm- 1550mm				
	-Light Head Diameter: Ø145- 155mm				
	-Illumination: 20,000- 30000 Lux/0.4m				
	-LED Lifetime: 45,000 hours or better				
	-CRI: 92- 98%				
	- Number of LED Modules: Maximum= 6				
	- Color Temperature: 4300- 4500K				
	LED Technology:				
	- With advanced LED technology to fulfill lighting requirements of any kind of minor surgeries and examinations				
	-With well- focused lighting with LED bulbs connected to specially developed reflector				
	-With maintenance- free LED technology				
	-With easily accessible ON/OFF switching and up				
3	OBSTETRIC DELIVERY TABLE, Brand New	2	units		
	Features :				
	- The main bed and auxiliary bed are connected with each other; auxiliary table is easy for dismantling and is with four(4) wheels.				
	-Foot pedal is hydraulic elevated, with imported Y- type sealing ring and should be durable.				
	- The mattress is wrapped with imported artificial leather, with high- density memory sponge that is formed in one piece and with no seam.				
	-With brake device that is easy for moving the table.				
	- Base seat and upright column covering are made of carbon and steel.				
	- Table top is made of carbon steel spray				
	Accessories:				
	- One pair of arm support				
	- One pair of leg support				
	-One pair of foot pedal				
	- One stainless steel sewage basin or pail				
	Others:				
	- Supplier must demonstrate features and functions of the items to the end- users upon delivery				
	- Items must have standard warranty provisions				
	- Product manuals should be original, not photocopies				
4	BRAND NEW MECHANICAL VENTILATOR, Brand New	1	unit		
	Features/Physical Specifications:				
	-Suitable for both adult and pediatric patients				
	With built-in turbine technology				
	-With pressure and flow waveforms and trends facility				
	-With waveform freeze				

	-Suitable with both dual as well as single- limb breathing circuits				
	-With FiO2 measurement				
	-Has automatic parameters adjustment of patient based on weight and height				
	-Has patient history storage capability				
	-Touch screen as well as knob operated				
	-With provision for 100% oxygen for a period of at least 2 minutes before disconnecting for suctioning				
	-With inspiration hold: measures patient's lung compliance and resistance, elasticity & time constant				
	-With mobile stand(trolley) with quick release				
	-Easily detaches from trolley and moves with patient				
	-Alarm silence: mutes audible alarms for up to minutes				
	-Key lock: key and LCD radiogram touch screen lock				
	-Dimensions: 245mm- 255mm X 155mm- 160mm X 370mm- 375mm(W x D x H)				
	-Shock Resistant(Drop test compliant)				
	-Storage Temperature: -20°C to +50°C				
	-Weight: 7.2kg- 7.6kg(main unit with battery)				
	Technical/Specifications :				
	-Display Screen: 7"- 8" screen with touch control and rotary knob				
	-Parameters: Set parameters/measured parameters/alarm status/I:E ratio				
	-Waveforms: Pressure- time, Flow time, Volume time				
	-Loops: Pressure- Volume, Flow- Time, Pressure- Flow				
	-Modes: PACV, PSIMV, VACV, VSIMV, AUTO(Emergency Quick Start), Spont+, PRVC, ACPAP+, PRVC+SIMV				
	-Tidal Volume: 50ml- 3000ml				
	-Pressure Support: 0- 70cmH ₂ O(PEEP + PSV < 100cmH ₂ O)2 2				
	- PEEP/CPAP: 0- 50cm - 0-0.55cm H ₂ O				
	-Respiratory Rate: 1-125bpm				
	- Inspiratory Pressure: 1-85cm - 1-90cm H ₂ O(PEEP+Pins<100cmH ₂ O)2 2				
	- Inspiratory Time: 0.0-10.0 - 0.0-12.0 sec				
	-Inspiratory Flow: (-)5- 125L/min(Adult); (-)5- 32L/min(Pediatric and Neonatal)				
	-IE Ratio: 1:9.5- 10- 2.2- 2.7:1				
	-Apnea Time: 1- 62sec				
	-Apnea Back Up Type: PACV, VAVC Mode, back- up with insp. Pressure, TV				
	-Trend: 70- 75 hours				
	-FiO ₂ %: 20%- 102%				
	-Enable Inhalation Trigger: 5%- 85% of inhaled volume				
	-Exhalation Trigger Sensitivity: 5%- 85% of peak flow in exhalation				
	-Suitable Body Weight Volume Mode: 5- 160 kg(Pediatric, Adult), Pressure Mode:0.5- 160kg(Neonatal,				
	-Suitable Body Weight Volume Mode: 5- 160 kg(Pediatric, Adult), Pressure Mode:0.5- 160kg(Neonatal,				

	-Nebulizer (time): 5-185 minutes				
	-Alarms: Airway Pressure, Tidal Volume, Minute Volume, Respiratory rate, Apnea, 0%, Airway Leak, Circuit 2 Open, Battery Indicator, O ₂				
	-Power: AC= 100- 240V/50- 60Hz; DC= 10.8V, 8.8A				
	-Power Consumption: 140- 150W				
	-Power Backup: 3- 4 hours internal battery backup				
	-Internal Standard: IEC 60601-2-12:2001- lung ventilator				
	Others:				
	- Items must be delivered on- site by the supplier.				
	- Supplier must check and demonstrate functionality of items to the end- user upon delivery.				
	- Items must have standard warranty provisions.				
	- Equipment/package manual should be originals, not photocopies.				
5	OPERATING ROOM(OR) TABLE WITH STIRRUPS, Brand New	3	unit		
	Electro hydraulic				
	- T base design for maximum approach				
	- With hand control and column control units				
	- With battery back				
	Technical Features:				
	Sliding movement: 290mm- 310mm				
	- Back rest movement: +78 degrees to +82 degrees/ -42 degrees to -48 degrees				
	-Trendelenburg: +28 degrees to +32 degrees				
	-Reverse Trendelenburg: -28 degrees to -32 degrees				
	-Leg rest up/down: +28 degrees to +32 degrees/-78 degrees to -82 degrees				
	-Head rest movement: +28 degrees to +32 degrees/-88 degrees to -92 degrees				
	-Flex/Reflex Position: +222 degrees to +228 degrees/-98 degrees to -102 degrees				
	-Size: 556mm- 562mm x 2196mm- 2220mm(W x L)				
	Height= 592mm- 596mm to 1032mm- 1036mm				
	-Mattress Thickness: 66mm- 72mm				
	-Castor Diameter: 98mm- 104mm				
	-Maximum patient weight= 355kg- 365kg				
	-With stainless steel T base				
	-With a pair of leg holder made of high quality stainless steel including clamps				
	-Height adjustable				
	Rotatable and tiltable via ball- joint				
	Others:				
	- Items must be delivered on- site				
	- Supplier upon delivery must demonstrate the features and functions of each item to the end- users				
	- Items must have standard warranty provisions				
	- Supplier with their technical personnel should be available when the need for them arises.				

	Package manual should be originals, not photocopies				
6	OTOACOUSTIC EMISSION TESTING MACHINE, Brand New	1	unit		
	MICRO PROBE SPECIFICATIONS:				
	- Measurement Type: Distortion Product Otoacoustic EmissionS(DPOAE)				
	Transient Evoked Acoustic Emissions(TEOAE)				
	- Frequency Range				
	Screening Version: DPOAE= 1.8kHz- 2.2kHz to 4.8kHz- 5.2kHz				
	TEOAE= 1.3kHz- 1.7kHz to 3.8kHz- 4.2kHz				
	Diagnostic Version: DPOAE= 1.3kHz- 1.7kHz to 11.8kHz- 12.5kHz				
	TEOAE= 0.5kHz- 0.8kHz to 3.8kHz- 4.5kHz				
	- Stimulus Intensity Range: DPOAE= 38dBSPL- 42dBSPL to 68dBSPL- 72dBSPL				
	TEOAE= 80dBSPL - 85dBSPL peak equivalent(+/-3Db)				
	- Microphone System Noise: (-)18dBSPL - (-)22Dbspl at 2kHz(1 Hz bandwidth)				
	(-)10dBSPL - (-)15dBSPL at 1kHz(1 Hz bandwidth)				
	- Dimension: 0.8m- 1.2m				
	- Weight= 26g- 30g				
	INSTRUMENT SPECIFICATIONS :				
	- Power Supply: Lithium- Ion battery, rechargeable				
	Battery Life: 900- 1,000 tests or better per charge 18 to 20 hours or more on-time				
	- Dimensions= 65mm- 68mm x 30mm- 33mm x 142mm- 146mm				
	- Weight= 175g- 178g				
	- User Interface: OLED Display; keypad with 4 buttons				
	PRINTER SPECIFICATIONS				
	- Thermal Dot Matrix				
	- Speed= 45- 95mm/sec				
	- Power Supply: 7.0- 7.5 V Lithium Battery or 100V- 240V; 50/60 Hz				
	- Weight= 195g- 200g				
	- Wireless data transfer				
	GENERAL SPECIFICATIONS				
	- PC- Interface: USB micro				
	- Standard Components: Device with rechargeable battery and probe; Ear tip set(100-120pcs); Eartip removal tool; Replacement probe tubes; PC Software including database; Power Supply; Carrying case.				
	POWER SUPPLY SPECIFICATIONS				
	- Output= 5.0 V DC, 1.6A				
	- Input= 220-240 V AC, 50Hz-60 Hz, 400Ma				
	OTHERS				
	- Item should be delivered on- site by the supplier				
	- Supplier must demonstrate features and functions of item to the end- user upon delivery				
	- Item must have standard warranty provisions				

	- Package manual/insert must be original, not photocopy				
	- Supplier with their technical personnel should be available when the need for them arises.				
7	EMERGENCY CART, Brand New	10	units		
	General Features :				
	- Material: Made mainly of plastic, aluminum and steel				
	- With ABS top board that is easy to clean				
	- Top and bottom boards are double- ply ABS boards				
	- ABS drawer is with aluminum frame and with removable tray				
	- With three(3) or more columns				
	- Color: Gray/Red or Gray/Blue combinations or combinations of both				
	- Dimensions: 875mm- 880mm x 710mm- 725mm x 985mm- 995mm				
	- Gross Weight= 72kg- 75kg				
	Accessories:				
	- Sliding side shelf				
	- Disposable or metal needle holder				
	- IV pole				
	- Defibrillator shelf				
	- Oxygen tank holder				
	- CPR board				
	- Power outlet and hooks				
	- Utility container				
	- Dust baskets				
	- Centralized lock				
	- Stainless steel guard rail				
	- With four(4) casters(2 with locks)				
	Others				
	- Items must be delivered on- site				
	- Supplier must demonstrate features/functions of the items to the end- user upon delivery				
	- Product insert must be originals, not photocopies				
	- Items must have standard warranty provisions				
8	BRAND NEW O.R. LIGHT, Brand New, Dual Head Lam, Ceiling type. w/ Surgical Camera and Arm - Mounted Medical Grade Monitor	1	unit		
	- Main Power Voltage Rating: 100V- 220V/50Hz- 60Hz				
	- Dual flexible arms: 360 degree rotating spring arm; 360 degree rotating horizontal arm; with universal handle holder; Light head diameter: 665mm- 670mm.				
	-LED Light Illumination Power: 155,000- 160,000 lux;				
	-LED Lifetime: 60,000 hours or more.				
	-With warm/cold white LEDs with high tech lenses; Homogenous light.				
	-With at least 60 LED modules on each head lamp that can be replaced individually in case of any failure.				
	-Total of 120 LED Modules.				
	-With adjustable color temperature from 2800K- 3,000K to 4800K- 5000K; can be changed by 250K sensitivity.				

	-Dimming range: 1% to 100%.				
	-Lamp head design should allow unobstructed flow of clean air through the light head to dissipate accumulated heat and surgical smoke.				
	-Degree of turbulence: 28%- 29% at surgical field.				
	-Color Rendition Index: 95- 96%				
	-Must be shadow less and has laser positioning guide to position the light at center easily and efficiently.				
	-Must have automatic distance system that can measure the distance between the patient and light head automatically between 85- 90 cm to 105-110cm and ensure that the surgical sight always appears in the best light, literally.				
	-With at least 4.0- 4.3 X 4.55- 5.0 inches touch screen control unit and battery back- up in case of power interruption; With Tablet- size touch screen unit that can be used as a wall- mounted control unit to control the head lamp light.				
	-Depth of Volume of Light L1 + L2 at 20%: 128- 130cm/50.4- 51.2 inches				
	-Depth of Volume of Light L1 + L2 at 60%: 75- 76cm/29.5- 30 inches				
	-Light Field Diameter d10: 24- 36cm/9.5- 14.2 inches				
	-Irradiance at Nominal Illuminance: 505W/m2- 510W/m2				
	-With one- touch boost function where the light intensity can be adjusted to 100% maximum level by a single touch.				
	-Camera: 1075p- 1080p Full HD Surgical Camera; with up to 10X optical zoom; Digital/analog video output; Autofocus.				
	-Arm- Mounted Medical Grade Monitor: 21- 22 inches monitor; Touch Screen; Resolution: 1918- 1920 X 1078- 1080; Output- VGA/DVI- D/HDMI/3G SDI Input.				
	Others - Equipment must be delivered on- site.				
	- Equipment must be inspected and installed/mounted by the supplier.				
	- Supplier must do functionality demonstration after installation/mounting in the presence of the end- user/s.				
	- Product insert/manual should be original, not photocopies.				
	- Equipment must have standard warranty/maintenance provisions.				
	- Supplier with their technical personnel should be available when the need for them arises.				
9	O.R. LIGHT, Brand New, Single Head Lamp, Ceiling Type	5	unit		
	Technical Specification:				
	-Main Power Voltage Rating: 100V- 220V/50Hz- 60Hz				
	-LED Light Illumination Power: 155,000- 160,000 lux;				
	-LED Lifetime: More than 60,000 hours.				
	-With warm/cold white LEDs with high tech lenses; Homogenous light.				
	-With maximum 60 LED modules that can be replaced individually in case of any failure.				
	-With adjustable color temperature from 2800K- 3,000K to 4800K- 5000K				

	-Dimming range: 1% to 100%				
	-Lamp head design should allow unobstructed flow of clean air through the light head to dissipate accumulated heat and surgical smoke.				
	-Degree of turbulence: 28%- 29% at surgical field.				
	-Color Rendition Index: 95- 96%				
	-Must be shadow less and has laser positioning guide to position the light at center easily and efficiently.				
	-With at least 4.0- 4.3 X 4.55- 5.0 inches touch screen control unit and battery back- up in case of power interruption				
	-Depth of Volume of Light L1 + L2 at 20%: 128- 130cm/50.4- 51.2 inches				
	-Depth of Volume of Light L1 + L2 at 60%: 75- 76cm/29.5- 30 inches				
	-Light Field Diameter d10: 24cm- 36cm/9.5- 14.2 inches				
	-Light Field Diameter d50: 13- 28cm/5.1- 11 inches				
	-Irradiance at Nominal Illuminance: 195 W/m2- 200W/m2				
	-With one- touch boost function where the light intensity can be adjusted to 100% maximum level by a single touch.				
	Others - Equipment must be delivered on- site.				
	- Equipment must be inspected and installed/mounted by the supplier.				
	- Supplier must do functionality demonstration installation/mounting in the presence of the end- user/s.				
	- Product insert/manual should be original, not photocopies.				
	- Equipment must have standard warranty/maintenance provisions.				
	- Supplier with their technical personnel should be available when the need for them arises.				
10	DEFIBRILLATOR, BIPHASIC;- Brand New	3	unit		
	Physical Characteristics				
	-Size: 320mm- 323mm X 275mm- 277mm X 385mm- 388mm				
	-Weight: 7.0kg- 7.5Kg				
	-Screen: 8.0- 8.5inches, TFT, Touch Screen				
	-Resolution: 780- 800 X 580- 600				
	-Waveforms: Two(2) waveforms				
	Operational Environment				
	-Battery Type: Rechargeable, Lithium Ion				
	-Battery Capacity: 7000- 7500MAH; DC= 14.5- 15V				
	-Battery Charging Time: Not less than 2 hrs to 80% and not less than 3 hrs to 100%				
	-Battery Back Up: Monitoring Mode- not less than 12 hours; Defib Mode- not less than 420 times(at 360J); Charge at intervals of 1 minute without recording pacing mode; not less than 9 hours pacing RTE 80BPM, Pacing output.				
	Recorder				
	-Type: Built- in thermal array, Channel: 4 channel waveforms, Real Time recording: 3S, 5S,8S,16S, 32S, AutoSpeed: 25mm/s and 50mm/sec, Paper Width: At least 80mm				

	Defibrillator				
	-Operating Mode: Manual, AED and Synchronous Defibrillation				
	-Waveforms: Biphasic truncated exponential waveform with impedance compensation				
	-Defibrillation Pathway: External and Internal Defibrillation				
	-Electrode Type: External Defibrillation- Electrode plate, Multifunctional Electrode Pads; Internal defibrillation- Electrode plate				
	-External Defibrillation Electrode Plate: Supports charging, discharging, energy selection and other operational functions				
	Charge Time				
	Charge Time: (Battery Power) 3- 5 seconds to 200 Joules and 6- 8 seconds to 360 Joules with a new, fully charged battery. (AC Power) 5- 7 seconds to 200 Joules and 9- 11 seconds to 360 Joules.				
	Patient Impedance Range: 25 ~ 300Ω(External Defibrillation); 15 ~ 250 Ω(Internal defibrillation) .				
	Defibrillation Proof: Type CF: ECG, RESP, SPO2, NIBP, IBP, TEMP, PR; Type BF: CO2.				
	Energy Accuracy: +/-5J or +/-10% of setting whichever is greater, into 50 Ω ; +/-2J or 15% of setting whichever is greater, into 25 Ω , 75 Ω , 100 Ω , 125 Ω , 150 Ω , 175 Ω.				
	AED				
	Adjustable: 100- 360J, Number of electric shocks: Adjustable- once, twice, three times AED				
	-Maximum time required for cardiac rhythm analysis to be ready for discharge: Battery power supply- 16- 18 seconds; AC Power Supply- 20- 21 seconds.				
	OTHERS				
	-Equipment must be delivered on- site.				
	-Equipment must have standard warranty/maintenance provisions.				
	-Product insert/manual should be original, not photocopies.				
	-Supplier must upon delivery, do inspection of the equipment and perform functionality demonstration to end-user/s.				
	- Supplier with their technical personnel should be available when the need for them arises.				
11	OVERBED TABLE - Brand New	100	unit		
	Technical Specification:				
	Dimension: 805mm-810mm x 400mm-405mm x 685-990mm				
	Lifting Table Base: Welded with a 40x40 square tube with thickness of 1.8mm-2mm and a diameter of 36-38mm; Casters with four (4) wheels of 2 inches diameter; 2 wheels with brakes, 2 without brakes.				
	Lifting Table Column: Composed of inner and outer alloy aluminum column, ABS steel ball sleeve and inner steel ball.				

	Lifting Table Power: With controllable gas spring inside the aluminum alloy column that can stably provide equal to or more than 6kg stretching force; at any position within the lifting range of 685mm-990mm, it provides equal to or more than 100kg locking force to ensure that it is in this position in a prohibited state.				
	Dining Table Board Connecting Plate: Made of 1.8mm-2mm thick high-quality steel plate by dismatling and bending; the dining board is made of solid wood sheets that meet environmental protective requirements; solid wood sheet size: 805mm-810mm x 400mmx405mm x 15mm-20mm.				
	Usage: - The lower base can be pushed under the hospital bed, and the upper panel can be adjusted according to the height of the hospital bed.				
	- When adjusting the knot, the height of the dining board can be adjusted through the gas spring switch on the upper end of the column. The height of the table can be adjusted from 685mm-990mm.				
	Others: -The items must be delivered on-site by the supplier				
	- The supplier must upon delivery, inspect and assemble sample items, then demonstrate the funstions to the end-user/s				
	- The items must have standard warranty provisions.				
	-Back plate has function of abdominal decompression				
	-With scissor lifting mechanism				
	-With angle display on guard rail				
	-Dynamic load of the bed is over 250kg, and the payload is over 400kg				
	CONFIGURATION				
	-Head/footrest: Made of ABS engineering plastics				
	-Bed plate and frame: Made of cold rolled sheet bed plate and carbon steel rectangular tubes frame(25mm- 30mm X 1.0mm- 1.2mm)				
	Rail: Push button ABS dampling rail with gas spring				
	-With drainage hooks on both sides				
	-The ABS anti- collision wrap angle formed by one- time injection molding can only be detachable by special tools, with the adjustable IV pole inserted in it				
	-Stainless steel adjustable IV pole				
	-Castor: 145mm- 150mm diameter casters with central locking mechanism				
	-With back- up battery				
	OTHERS				
	-Equipment must be delivered on- site.				
	-Equipment must have standard warranty provisions.				
	-Product insert/manual should be original, not photocopies.				
	-Supplier must upon delivery, do inspection of equipment and perform functionality demonstration in the presence of end- user/s.				

	- Supplier with their technical personnel should be available when the need for them arises.				
12	FETAL MONITOR, Brand New	5	unit		
	Technical Specification:				
	PHYSICAL CHARACTERISTICS				
	-Size: 335-340mm X 265 to 270mm X 90 to 95mm. Net Weight: 4.5 to 5.5 kg				
	OPERATIONAL ENVIRONMENT				
	-Working Temperature: 0 -40 Degrees Celsius, Humidity: Not less than 15% and not more than 80%, Power Supply: 100- 240V, 50- 60 Hz, Battery Type: Rechargeable Lithium Ion, Battery Capacity: Not less than 4400MAH, Battery Recharging: Maximum 5.5 Hrs for charging. Battery Backup: 3- 4 hrs for continuous working, Display: Not less than 12.1 inches TFT Touch Screen, Resolution: Not less than 800 X not less than 600. Trace: Not less than six(6).				
	INDICATOR				
	-Two alarm indicators, With power indicator, With Battery indicator, With QRS beep alarm sound and FHR sound, and With operating key sound.				
	INTERFACE				
	-With parameter cable interface, With AC power input socket, With two USB ports, & With RJ45 port				
	ULTRASOUND				
	-Technique: Ultrasound pulse Doppler. Pulse repetition: not less than 1.32KHz. FHR Measurement Range: 30BPM- 250BPM. Resolution: 0.5- 1BPM. Measurement Range: 31BPM- 249BPM. Alarm Time: Not more than 30 seconds, Alarm Accuracy: +/- 1BPM. IOB: 5MW/cm2 or lower				
	TOCO				
	-Toco Range: 0- 100%, Resolution: Not less nor more than 1%. Zero Mode: Auto/Manual, Non- Linear Error: +/-8%,				
	AUTO FETAL MOVEMENT				
	-Technique: Ultrasound pulse Doppler, Range: 0- 20%, Resolution: not less nor more than 1%				
	MARKING				
	- Mark Mode: Auto/Manual fetal movement				
	RECORDER:				
	-Type: Built- in thermal array, Channel: At least 6 channel waveform, Mode: Fast, real time, Speed: 1/2/3 cm per minute selectable; 25 mm/sec(review), Record Width: Not less than 150mm.				
	DATA STORAGE				
	-Alarm Event Recall: Not less than 300 groups, Wave Recall: Not less than 120 mins,FM: Not less than 60 hrsTrend, Graph: Not less than 120 hrs, Trend Table: Not less than 120 hrs, Freeze Review: Not less than 60 hrs waveform review(fetal), Power Off storage: Yes.				
	NETWORK				
	- Can be connected to a central monitoring system by hardware or wireless				
	OTHERS				

	-Equipment must be delivered on- site.				
	-Equipment must have standard warranty/maintenance provisions.				
	-Product insert/manual must be original, not photocopies.				
	-Equipment must have standard warranty provisions.				
	-Supplier must upon delivery, do inspection of the equipment/s and perform functionality demonstration in the presence of the end user/s.				
	- Supplier with their technical personnel should be available when the need for them arises.				
13	INFANT INCUBATOR- Brand New	1	unit		
	Technical Specification:				
	PHYSICAL CHARACTERISTICS AND OPERATIONAL ENVIRONMENT				
	-Size: Up to 950mm x up to 570mm x up to 1350mm, Weight: Up to 100kg, Screen Size: At least 8 inches TFT Touch Screen, Water Tank: More than 1 Liter Capacity, With X-ray Tray, With Humidifier, With Drawer/s, Castor wheel with four brakes, Working Temperature: 20- 30 Degrees Celcius, Humidity: Less than 80%, Air Flow: Less than 0.3m/sec, Power Supply: 100- 240V, 50- 60Hz, Battery Type: Rechargeable Lithium Ion, Battery Capacity: Up to 4400MAH, Battery Recharging Time: Maximum 6 hours for charging, Battery Backup: Minimum 1 hour continuous working.				
	TEMPERATURE CONTROL				
	- Setting Range: 35.0- 37.5 Degrees Celcius(Infant Mode); 25.0- 45.0 Degrees Celcius(Air Mode)				
	- Measurement Range: 25.0- 45.0 Degrees Celcius				
	-Resolution: Up to 0.1 Degree Celcius				
	- Accuracy: +0.3 Degree Celcius				
	- Alarm Range: 34- 38.5 Degrees Celcius(Infant Mode); 24- 41 Degrees Celcius(Air Mode)				
	- Heating Time: Less than 35 minutes(Temperature inside the thermostat cover rises by 11°C)				
	- Humidification Time: Less than 0 min(In indoor environment, up to 25°C + 2°C; Relative Humidity of atleast 85%)				
	- Operation Time without Adding Water: Not less than 12 hours				
	HUMIDITY CONTROL				
	- Relative Humidity Range: At least within 30%- 95%				
	- Resolution: up to 1%				
	- Accuracy: Up to 10%(Humidity less than 85%); Up to more than 75%(Humidity more than 85%)				
	- Alarm: With audible and visual alarms; Alarm events are reviewable				
	FEATURES				
	- Air flow rate inside the thermostat cover: At least less than 0.2MS				
	- Work Mode: Air/Infant				
	- Bed Tilt: Not less than -10 degrees to not more than +10 degrees				

	- Input Voltage: 220-240 V				
	- Input Current: 6.6-6.8A				
	- Input Frequency: 50/60Hz				
	AUXILLARY OUTPUT SUPPLY				
	- Output Voltage: 220-240V				
	- Output Frequency: 50/60Hz				
	OTHERS				
	- Equipment must be delivered on- site.				
	- Equipment must have standard warranty/maintenance provisions.				
	- Product insert/manual must be original, not photocopies.				
	- Supplier must upon delivery, inspect/install and perform functionality demonstration in the presence of the end-user/s.				
	- Supplier with their technical personnel should be available when the need for them arises.				
14	BEDSIDE CABINET - Brand New	100	unit		
	Technical Specification:				
	Size: 475mm-480mm x 465mm-470mm x 745mm-750mm (L x W x H)				
	ABS Platform: made up of high-grade engineering plastics by one-time injection molding, with Bright, elegant and clean appearnace, and must be easy to clean				
	Must have one (1) drawer				
	Must have one (1) cabinet with partition board in it				
	Must have towel rack on both sides, retractable and made of stainless steel				
	Whole cabinet must be equipped with a writing board that can be used as a dining board or storage board				
	Must be with hooks on both side				
	Must be with caster wheels of36mm-38mm diameter				
	Supplier must deliver items on-site				
	Supplier must upon delivery do inspection of some items and show functions of item parts.				
15	SURGICAL SUCTION MACHINE-Brandnew	5	unit		
	TECHNICAL SPECIFICATIONS:				
	Maintenance-free, silent, non-vibrating, oil free vacuum pump				
	Maximum Vacuuming Power: 675mmHg-680mmHg				
	Maximum Noise level: 43-45dB				
	Flow rate : 58-60L/Min				
	Dimension: 925mm X 930mm X 515mm- 120mm (H x W)				
	Power Consumption :250W-280W				
	Weight: 22-23Kg				
	With antistatic castors and bumper base				
	With foot switch using the Malstrom- Throe method				
	With two (2) reusable suction jars with capacity of five (5) liters each . Jars are sterilizable at 120-125 degrees Celsuis				
	OTHERS				
	Equipment must be delivered on-site				

	Suppliers must upon delivery inspect/install the equipment and perform functionality demonstration in the presence of the end-user/s.				
	Equipment must have standard warranty provisions				
	Product insert/manual must be original, not photocopies				
	- Supplier with their technical personnel should be available when the need for them arises.				
16	AUTOCLAVE DRYER/STERILIZER, Brand New	1	unit		
	Main Features:				
	- Fully stainless steel structure				
	- Dimensions: 550mm- 570mm x 330mm- 350mm x 480-520mm				
	- Gross Weight/ Net Weight: 15kg- 25kg/ 15kg- 20kg				
	- Power: 1.2- 1.5Kw; 220- 240V AC/50- 60 Hz				
	- Timer: 0- 60 minutes				
	- Adjustment of Temperature: 100°C- 135°C				
	- Working Temperature: 130°C- 135°C				
	- Working Pressure: 0.20- 0.22Mpa				
	- Sterilizing Chamber Volume: 20L- 25L				
	- Sterilizing Time: 1- 8 minutes				
	ADDITIONAL FEATURES				
	- Automatic sterilization controlled by computer				
	- Automatic protection from over- heating and over-pressurization				
	- Automatic power shut off with alarm after sterilization				
	OTHERS				
	- Item must be delivered on- site by the supplier.				
	- Supplier must demonstrate features and functions of the item to the end- user upon delivery.				
	- Item must have standard warranty provisions.				
	- Product manual must be original, not photocopy.				
	- Supplier with their technical personnel should be available when the need for them arises.				
17	BIOLOGICAL MICROSCOPE	2	units		
	MAIN FEATURES				
	- Body: Aluminum die- cast metal frame with protective plastic covering				
	- Dimensions: 196- 200mm x 396- 400mm x 386-390mm(W x D x H)				
	- Weight: 5.5- 6kg				
	- Optical System: Infinity optical system				
	- Illumination Device: Built- in transmitted illumination system				
	- Focusing: - Stage height movement				
	- Coarse movement stroke is 12-15mm per turn				
	- Coarse adjustment limit stopper				
	- Torque adjustment for coarse adjustment knob				

	- Fine focus knob(minimum adjustment gradations= 2.2- 2.5µm				
	- Observation Tube: - Binocular, anti- fungal				
	- Eyepiece(anti- fungal): 10X Field Number(FN)= 18- 20				
	- Tube inclination= 28°-32°				
	- Interpupillary distance adjusting range= 46- 78mm				
	- Eyepoint adjustment= 368 to 372mm- 430 to 434mm				
	Condenser: Abbie condenser, numerical aperture(NA) 1.25 with oil immersion; with built- in aperture diaphragm				
	- Objective Lens: Plan achromatic, anti- fungal				
	4X NA 0.1 WD 27.8mm				
	10X NA 0.25 WD 8.0mm				
	40X NA 0.65 WD 0.6mm				
	100XOil NA 1.25 WD 0.13mm				
	- Rated Voltage/Current: 100- 240V AC; 50/60 Hz 0.4A				
	- Power Consumption: 2W or lesser				
	OTHERS				
	- Items must be delivered on- site, with dedicated wooden or metal case, by the supplier.				
	- Supplier must demonstrate the features and functionality of the items to the end- user upon delivery.				
	- Each item must have a complementary Automatic Voltage Regulator(AVR).				
	- Items must have standard warranty provisions.				
	- Product manuals/inserts must be originals, not photocopies.				
	- Supplier with their technical personnel should be available when the need for them arises.				
18	CLINICAL CENTRIFUGE, Brand new	1	unit		
	FEATURES				
	- Dimension: 390mm- 395mm x 505mm- 510mm x 290mm- 295mm(W X D X H)				
	- Speed: 300- 4,000rpm				
	- Timer: 0- 3 minutes digital timer				
	- Motor: DC Motor				
	- Rotor: AR- 1524				
	- Maximum RCF: 2,325- 2,330g				
	- Capacity: 24x(1.4- 15) ml				
	- Power Supply: 220- 240 V AC/ 50- 60 Hz				
	- Gross Weight/Net Weight: 21- 22 kg/ 19- 20 kg				
	STANDARD ACCESSORY				
	- 1.2- 2.0 ml, 5- 7ml & 10- 15ml tube adapter				
	OTHERS				
	- Item must be delivered on- site by the supplier.				
	- Supplier must demonstrate the features and functions of the item to the end user upon delivery.				

	- Item must have standard warranty provisions.				
	- Product manual/insert must be original, not photocopy and must include <u>Calibration Certificate</u> .				
	- Supplier with their technical personnel should be available when the need for them arises.				
19	COAGULATION ANALYZER, Brand New	1	unit		
	FEATURES				
	- Dimensions: 200mm- 240mm x 170mm- 180mm x 120mm- 150mm				
	- Weight: 800-900 Grams(Without batteries)				
	- Power Supply: Adapter Input= 100- 240Vac, 50- 60 Hz, 0.5A Max				
	Adapter Output= 9V, 2A				
	Power Input= 9V, 18W				
	- Batteries Operation: Two(2) 3.7V Lithium Batteries(18650)				
	- Batteries Life: Up to 300 or more charge- discharge cycles, depending on the frequency of use.				
	- Time to Result: 3- 6 minutes				
	- Test Item: PT INR/APTT/ACT/TT/FIB				
	- Test Sample: Citrated Venous Whole Blood				
	- Test Sample Volume: 15- 25uL				
	- Precision: CV equal to or less than 5%				
	- Memory: 250- 350 test results and 10- 15 QC test results				
	- Display: 3- 4 inch, color, touch screen				
	- Printer: External serial port printer				
	- Operation Temperature: 5°C- 35°C				
	ADDITIONAL FEATURES				
	- With built- in rechargeable batteries				
	- With stable external QC control				
	- Can connect with LIS by Ethernet port(for uploading test data)				
	OTHERS				
	- Item must be delivered on- site by the supplier.				
	- Supplier must demonstrate features/functions of the item to the end- user upon delivery.				
	- Item must have standard warranty provisions.				
	- Product manual/insert must be original, not photocopy.				
	- Supplier with their technical personnel should be available when the need for them arises.				
20	DRESSING CART, Brand New	5	unit		
	FEATURES				
	- Material: Stainless steel				
	- With 2 drawers with locks and handles				
	- With four castor wheels				
	- Size: 755mm-760mm x 455mm- 500mm x 795- 800mm				
	ACCESSORIES PER CART				
	- One stainless steel tray with at least four stainless steel canisters for alcohol balls, betadine balls, etc				
	- One piece long straight forcep(as pick- up forcep)				

	- One piece suture remover				
	OTHERS				
	- Items must be delivered on- site by the supplier.				
	#NAME?				
	- Items must have standard warranty provisions.				
21	DRY BATH EQUIPMENT, Brand New	1	unit		
	FEATURES				
	- Dimensions: 160mm- 165mm x 210mm- 215mm x 120mm- 125mm(W x D x H)				
	- Power Supply: 220- 240V AC/ 50- 60 Hz				
	- Power Watts: 70- 80 Watts				
	- Capacity: 13.5mm- 14mm x 20- 25 places				
	- Block Capacity: One(1)				
	- Temperature Readout: Thermometer				
	- Temperature Setting: Analog				
	- Temperature Control: Analog IC				
	- Temperature Range: Ambient +5°C ~ 125°C				
	- Uniformity: +/-0.5°C at 37°C				
	- Stability: +/-0.5°C				
	OTHERS				
	- Item must be delivered on- site by the end- user.				
	- Supplier must demonstrate features and functions of the item to the end- user upon delivery.				
	- Item must have standard warranty provisions.				
	- Product manual/insert should be original, not photocopy.				
	- Supplier with their technical personnel should be available when the need for them arises.				
22	HEMATOCRIT CENTRIFUGE, Brand New	1	unit		
	MAIN FEATURES				
	- Dimensions: 280mm- 300mm x 364mm- 380mm x 266mm- 280mm(L x W x H)				
	- Weight: 10- 13Kg				
	- Power: 220- 240V, 50- 60 Hz, 5A				
	- Noise Level: ≤60 decibels or lower				
	- Maximum Speed(rpm): 200- 14,000; increment= 10				
	- Maximum RCF(xg): up to 18300xg; increment= +/- 30				
	- Speed Accuracy(rpm): +/- 30				
	- Rotor Capacity: 24 x 1.5/2ml(14000rpm)				
	- Hematocrit Rotor: 24x capillary tubes(12000rpm)				
	- Run Time: 30 seconds- 99 minutes- HOLD(Continuous operation)				
	- Driving Motor: Brush less DC Motor				
	- Safety Devices: Door interlock, over- speed detector, over- temperature detector, automatic internal diagnosis, automatic rotor identification.				
	ADDITIONAL FEATURES				
	- With speed/ acceleration switch				
	- With short time run function				
	- With sound- alert function				

	OTHERS				
	- Item must be delivered on- site by the supplier.				
	- Supplier must demonstrate features/ functions of the item to the end- user upon delivery.				
	- Item must have standard warranty provisions.				
	- Product manual/insert must be original, not photocopy.				
	- Supplier with their technical personnel should be available when the need for them arises.				
23	IMMUNOASSAY ANALYZER MACHINE	1	unit		
	FEATURES				
	- Dimensions: 230mm- 250 mm x 275mm- 290mm x 140mm- 150mm				
	- Weight= 3- 5 kg				
	- Display: 6"- 10" capacitive touch screen				
	- Portability: 7000mAh- 8000mAh internal rechargeable battery; 20- 24 hrs stand by time				
	- Printer: Real time auto printing; supports external printer.				
	- With auto reading of batch number and calibration				
	- With multiple testing modes and can support large numbers of samples.				
	- Sample: Serum, plasma, whole blood or urine.				
	- Reading Time: 3- 20 minutes				
	- Specimen Volume: 10- 80ul				
	- Connectivity: Wifi connection, Ethernet port; with 3-4 USB ports				
	OTHERS				
	- Item must be delivered on- site by the supplier.				
	- Supplier must demonstrate functionality of item to the end- user upon delivery.				
	- Item must have standard warranty provisions.				
	- Product manual should be original, not photocopy.				
	- Supplier with their technical personnel should be available when the need for them arises.				
	Nothing Follows				
				TOTAL	27,413,390.00

