



Republic of the Philippines
PROVINCE OF PAMPANGA
 Provincial Capitol, City of San Fernando, Pampanga

BIDS AND AWARDS COMMITTEE

BID BULLETIN 2023-03

PR# 23-5060- Supply, delivery, testing & commissioning of brand new hemodialysis equipment system with accessories

This Bid Bulletin No. 03 is issued to modify or amend items in Bid Documents. This shall form an integral part of the Bid Documents, to wit:

Particulars	From	To
Paragraph No. 4	A complete set of Bidding Documents may be purchased by interested Bidders from January 25, 2024 (Thursday) between 8:00 A.M. to 5:00 P.M. up to February 14, 2024 (Wednesday) until 8:00 A.M. only from the given address above and upon payment of the applicable fee for the Bidding Documents:	A complete set of Bidding Documents may be purchased by interested Bidders from January 25, 2024 (Thursday) between 8:00 A.M. to 5:00 P.M. up to February 14, 2024 (Wednesday) until 8:00 A.M. only from the given address above and upon payment of the applicable fee for the Bidding Documents:
Paragraph No. 7	Bids must be duly received by the Bids and Awards Committee (BAC) Secretariat Office thru manual submission at Ground Floor, Provincial Capitol, City of San Fernando, Pampanga on or before 8:30 A.M. of February 14, 2024 (Wednesday) . Late bids shall not be accepted	Bids must be duly received by the Bids and Awards Committee (BAC) Secretariat Office thru manual submission at Ground Floor, Provincial Capitol, City of San Fernando, Pampanga on or before 8:30 A.M. of February 14, 2024 (Wednesday) . Late bids shall not be accepted
Paragraph No. 9	Opening of bids will be on February 14, 2024 (Wednesday), 9:00 A.M. at the Old SP Session Hall, Second Floor, Provincial Capitol, City of San Fernando, Pampanga . Bids will be opened in the presence of the bidders' representatives who choose to attend at the activity.	Opening of bids will be on February 14, 2024 (Wednesday), 9:00 A.M. at the Old SP Session Hall, Second Floor, Provincial Capitol, City of San Fernando, Pampanga . Bids will be opened in the presence of the bidders' representatives who choose to attend at the activity
Philgeps Posting Closing Date	February 14, 2024 at 8:00 A.M.	February 14, 2024 at 8:00 A.M.
Section VI- Schedule of Requirements	Please see attached Revised Schedule of Requirements	
Section VII- Technical Specifications	Please see attached Revised Technical Specifications	

For your guidance and information of all concerned.

12 February 2024.

ATTY. CECIL L. ANDIN
 BAC-Chairman

SCHEDULE OF REQUIREMENTS

(Revised)

ITEM NO.	Item Description	Quantity	Delivery Date
	Supply, Delivery, Testing & Commissioning of Brand New HEMODIALYSIS EQUIPMENT SYSTEM with ACCESSORIES	1 lot (Please refer to Section VII. Technical Specifications for the quantity of items)	All Equipment must be delivered, installed and commissioned within thirty (30) Calendar Days from receipt of the Notice to Proceed

Additional Requirement/Condition:

1. Model of the machine offered must be of the latest version;
2. Brand of the machine offered must have been in the Philippine market for at least seven (7) years to assure after sales requirements;
3. Must have a service facility in the **Province of Pampanga** for after sales service;
4. Must provide at least one (1) week of onsite user training for the appointed technical personnel of the procuring entity;
5. Must provide electronic and hardcopy of operation and service manual (2 copies each for hardcopy) of all equipment;
6. Shall provide necessary documentation requirements for the testing/commissioning of the hemodialysis system and other documents/certifications for the various equipment and supplies that may be needed for DOH licensing;
7. Shall provide at least five (5) years free calibration service from the date of actual operations of the centers;
8. Manpower Requirements:
 - a. Must have at least three (3) trained medical **equipment** technician;
 - b. Must have at least one (1) licensed electrical engineer;
 - c. **With at least two (2) personnel with OSHO (Occupational Safety and Health Orientation Certificate, COSH (Construction Occupational Safety and Health Certificate) and BOSHT (Basic Occupational Safety and Health Training) Certification; and**
 - d. **With at least five (5) years experience in the design and installation of Reverse Osmosis Systems.**

I hereby certify/undertake to comply and deliver all the above requirements.

Name of Company/Bidder

Signature Over Printed Name of Representative

Date

**Technical Specification
PR No. 23 - 5060**

Item No.	Quantity	Unit of Issue	Specification	Statement of Compliance*
1	1	lot	<p align="center">SUPPLY, DELIVERY, TESTING AND COMMISSIONING OF BRAND NEW HEMODIALYSIS EQUIPMENT SYSTEM WITH ACCESSORIES</p> <p align="center">(See attached Annex A for the Terms of Reference)</p>	

*Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the the equipment offered. Statement of "Comply" or "Not Comply" must be supported by evidence in a Bidder's Bid and cross-referenced to that evidence. Evidence shall be in the the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or Supplier liable for prosecution subject to the provisions of ITB Clause 3.1 (a) (ii) and/or GCC Clause 2.1 (a) (ii).

I hereby certify to comply with the Technical Specifications of all the items to be Bid.

Name of Company/Bidder

Signature Over Printed Name of Representative

Date

**SUPPLY, DELIVERY, TESTING, AND COMMISSIONING OF BRAND NEW
HEMODIALYSIS EQUIPMENT SYSTEM WITH ACCESSORIES**

TERMS OF REFERENCE

(Revised)

Inclusive of the following items;

➤ **20 units HEMODIALYSIS MACHINE with AVR**

Specifications:

- Bicarbonate dialysis
- Auto priming and rinsing capabilities
- Decalcification program, Automatic functional test for the hydraulic system, sensors, limits, software and screen functions
- Adjustable Dialysate Flow Rate
- Programmable mixing ratio of the concentrate according to various potassium levels (potassium free, 2mmol potassium, 3mmol potassium)
- Adjustable Bicarbonate Concentration
- Programmable Sodium Profile (at least 3 combination)
- Ultrafiltration Profile (at least 3UF profile)
- Temperature Adjustment
- Programmable Heparin Delivery Rate & Time
- Kt/V Measurement
- Closed System (no contact with air) online

bicarbonate production

- Hot rinsing and hot chemical disinfection
- Arterial Pressure Monitoring
- Venous Pressure Monitoring
- Dialysate conductivity monitoring
- **Touch screen color monitor: Size: 10- 14 inches. The monitor must be able to display trends / curves of all relevant parameters, time left for treatment, fluid to be removed, temperature of dialysate, conductivity, dialysate pressure, etc.**
- Arterial blood pump range: up to 600 ml/min with 10 ml increment
- Heparin pump: up to 10 ml/hr with 0.1 ml/hr increment

Bolus range up to 5 ml/hr

Syringe size: 10 or 20 ml

- Dialysate flowrate range: 300 – 800 ml/min with 10 ml/min
- Dialysate temperature: up to 39°C
- Electrical power supply: Auto-volt at 100 – 240 VAC, 60Hz or 220V, 60Hz with an external Automatic Voltage Regulator (AVR) with a capacity of at least 3 KVA
- Internal back up battery that can allow the equipment to continuously operate a complete extracorporeal blood system during power failure (at least 20 minutes)
- Mobility : Anti-static and rust free wheels with brakes
- Safety features:
 - Air bubble detector: ultrasonic sensor
 - Blood tubing clamp must withstand a maximum pressure of 800 mmHg
 - Blood leak detector
 - Conductivity safety
 - Closed volumetric balancing chamber
 - Automatic setting of pressure limits for venous, arterial and transmembrane when blood flow is adjusted
 - Indicator for the need to replace filter(s)
 - Memory back-up of the dialysis program during power failure.
 - The equipment must automatically shut off the blood pump, clamp the venous return line and stop the ultrafiltration during alarm condition.
 - Alarms Patient disconnection, blood line obstruction, air detection, blood leak, transmembrane under and over pressure, blood pump failure, dialysate temperature, dialysate conductivity, etc. (the alarm must be visible within 2 meters and audible at 70 dB)
 - The equipment must be capable of operating with different brands of dialyzers, bloodlines, bicarbonate and acid concentrates.
 - With FREE Automatic Voltage Regulator, 3KVA

➤ **40 units HEMODIALYSIS CHAIR**

Specifications:

- Load capacity: up to 150 kg patient weight
- Movable armrest that permits optimal placement of the arms
- With collapsible tables on both sides
- Adjustable back section and capable of Trendelenburg and full horizontal position
- Adjustable foot rest to fit the leg length of the patient
- Total length of the chair must be 6 feet
- Head cushion must be comfortable
- Washable upholstery material. Cushion thickness must be at least 3 inches
- With four central locking casters
- With detachable IV stand and tray table

➤ **1 lot WATER TREATMENT SYSTEM**

Specifications:

- Capacity: 16,000 gallons per day (GPD)
- Pre-Treatment System components:
 - 4 units Raw Water Tank, 2000L, 4 units
 - 2 units Multi-media filter with automatic control head: at least 21x62 inches
 - 2 units Water softener with automatic control head: at least 21x62 inches
 - 2 units Activated carbon filter with automatic control head: at least 21x62 inches
 - 2 units Raw water pressurization system:
 - Main Pump – 8,000 LPH, 220VAC, 60 Hz, 2 units (1 as back up pump, which must automatically activate when the main pump fails)
 - The pre-treatment system must have automatic controls and must have the necessary pressure monitors, flow meters, and back flow preventer.
 - Sample ports for raw, post media, post carbon, post softener
 - 2 units 180L Brine Tank
 - 20" BB Opaque Filter Housing with 5 micron filter
 - 1,000L Non corrosive Flat Bottom PE Break Tank with Submersible UV
 - Reverse Osmosis (RO) System – 2 units

Capacity: 16,000 GPD each; Can be configured as Redundant Single Pass or Double Pass

16 units of Seamless Stainless Steel Corrosion, Proof RO Membrane Vessel

16 units of Low Energy Thin Film Composite RO Membrane

RO multi stage pump:

4 units of 1,000LPH, 2HP, 220VAC, 60 Hz Multi Stage Vertical RO Pump Main pump the backup pump must automatically activate when the main pump fails)

The RO system must be fully automatic and must be equipped with complete performance monitoring instruments:

- Panel Mount Flow meters
- Stainless Steel Pressure Gauges
- Dual In-line TDS Meters
- Automatic RO Present Regulator Valve
- Automatic RO Inlet Motorized Ball Valve
- RO Pump Non-Return Valve

Clean-In-Place (CIP) System

- RO water storage and distribution system
 - Water storage tank: 2 units of 1,050L polyethylene tank with submersible
 - 12 GPM In-line UV Sterilizer
 - 2 units of 4,000LPH, 220VAC, 60Hz - Product Pump (the back-up pump must automatically activate when the main pump fails)
 - Online bacterial filter at least 20 inches
 - Equipped with Start and End Loop Pressure Gauges
 - The distribution system must have a motorized ball valve for automatic recirculation

➤ **3 units DIALYZER REPROCESSING SYSTEM**

Specifications:

- Capacity : at least 4 stations

- Semi Automated System, can reprocess both Low and High Flux dialyzers
- Wall Mounted
- Corrosion Proof ABS Plastic Panel Casing
- Dialyzer Pressure Leak Testing.
- Adjustable Water Pressure Regulator
- Air Pump Non-Contact Chemical Pump Filling
- 250 ml Graduated Cylinder for Volume Testing
- Automatic Time Control for Rinsing / RUF
- With IDEC Programmable Logic Controller
- stainless steel sink

➤ **2 units BICARBONATE MIXER**

Specifications:

- Capacity: at least 100 liters
- Mixer motor: 220V, 60 Hz
- Water inlet pump: 220V, 60Hz

➤ **5 units DIALYZER RACK**

Specifications:

- Manufacturer's Standard

➤ **1 unit BODY COMPOSITION ANALYZER**

Specifications:

- Capable of measurement of total / segmental water volume for water accumulation
- Able to determine the appropriate dry weight of the patient
- Uses bioelectrical impedance analysis (BAI) for measurement
- Reusable electrodes
- Able to store measurement values/ data (at least the last 100 measurements)

➤ **2 units DEFIBRILLATOR WITH CARDIAC MONITOR**

Specifications:

- **Display:** 7 inch TFT color LCD
- **Resolution:** 800 x 480 pixels
- **Viewed waveforms:** Max. 3
- **Wave viewing time:** Max. 16 s (ECG)

DEFIBRILLATOR:

- **Defibrillation mode:** Manual defib., Synchronous cardioversion, AED
- **Defibrillation waveform:** Biphasic truncated exponential (BTE) waveform, auto compensation according to patient impedance
- **Defibrillation electrodes:** External paddleset (adult and pediatric), multifunction electrode pads
- **Controls and indicators on external paddles:** Charge button, Shock button, Energy select buttons, and charge done indicator
- **Selected energy range:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 50, 70, 100, 150, 170, 200, 300, 360 joules
- **Patient impedance range:** 25 to 300 Ω
- **Charge time:** < 3 seconds to 200 joules and < 7 seconds to 360 joules

MONITOR:

- **Patient connection:** 3 lead or 5 leads ECG cable
- **ECG inputs:** 3-leads: I, II, III
5-leads: I, II, III, aVR, aVL, aVF, V
- **Gain:** 2.5 mm/mV (x0.25), 5 mm/mV (x0.5), 10 mm/mV (x1), 20 mm/mV (x2), 40 mm/mV (x4)
- **Paper speed:** 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s
- **ECG signal range:** ± 8 mV

POWER SUPPLY:

- **Line voltage:** 100 to 240 VAC, 50/60 Hz
- **Battery:** Smart lithium battery, rechargeable maintenance free.

ACCESSORIES:

- Adult/Pediatric External Paddles- 1 pc
- ECG cable with Lead wires- 1 pc
- Recorder paper- 1 roll
- Trolley- 1 each

➤ 2 units ELECTROCARDIOGRAPH MACHINE WITH ANALYZER**Specifications:**

- **Components**
 - ECG lead connector for 10-lead patient cable
 - 10-lead patient cable with shielded wires
- **Mobility/Portability:** Placed on a mobile cart with brakes and with compartment for the patient cable, ECG electrodes and conductive gel
- **Power Supply:** 220v, 60Hz with internal rechargeable backup battery
- **Displayed Parameters:** Lead I, Lead II, Lead III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6 Heart rate, axis, intervals, voltage measurements, averages and interpretations
- **Adjustable Settings**
 - 1mV calibration signal button or automatic calibration of 1mV signal
 - Lead selector switch or automatic lead selector/switching
 - Sensitivity switch: 2.5 to 20 mm/mV
 - Adjustable paper speed
 - Filter switch for interference from mains power frequency and low and high pass signals
 - Event marker switch
 - **Performance Requirements**
 - Common Mode Rejection (CMR): more than +100 dB
 - ECG signal measurement range: -2mV to +2 mV
 - Frequency range: at least 0.67 to 150 Hz
 - Input impedance: 2.5 MΩ at 10 Hz
 - Frequency response: -3dB at 0.05 Hz to 100 Hz
 - **Safety Features**
 - Protection against defibrillation
 - The equipment must be compatible with patients with pacemakers
 - Degree of protection against electrical shock: Type CF

➤ 40 pcs FINGER TIP PULSE OXIMETER**TECHNICAL SPECIFICATION**

Display format: Digital Tube Display

SpO2 Measuring Range: 35%-100%

Pulse Rate Measuring Range: 30BPM-250BPM

Pulse Intensity Display: Columniation Display

Power Requirements: 2x1.5V AAA alkaline Battery (or using rechargeable battery) adaptable range 2.6V-3.6V

Power Consumption: Smaller than 30 mA

Resolution: 1% for SpO2 and 1bpm for Pulse Rate

Measurement Accuracy: +-2% in stage of 70%-100% SpO2, and meaningless when stage being smaller than 70%. +-2 bpm or +-2% (select larger) for Pulse Rate.

Measurement Performance in Weak Filling Condition: SpO2 and Pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is +-4%. Pulse rate error is +-2 bpm or +-2% (select larger)

Resistance to Surrounding Light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than +-1%.

Functional Specification

Display Information

Pulse Oxygen Saturation (SpO2): Digital Display

Pulse Rate (BPM): Digital Display

Pulse Intensity (Bar Graph): Digital Bar Graph Display

SpO2 Parameters Specification

Measuring Range: 35%-100% (the resolution is 1%)

Accuracy: 70%-100% +-2%, Below 70% unspecified

Optical Sensor: Red Light (wavelength is 660nm)

Infrared (wavelength is 905nm)

Pulse Parameter Specification

Measuring Range: 30bpm-250bpm (the resolution is 1bpm)

Accuracy: +-2bpm or +-2%bpm select larger

Pulse Intensity

Range: Continuous bar-graph display, the higher display indicate the stronger pulse.

Battery Requirements:

1.5V (AAA size)alkaline battery x2

Battery Useful life :

Two batteries can work continually for 24hrs

Dimension: 57(L)X31(W)x32(H) mm

Weight: about 50g (with the battery)

➤ **3 units MEDICAL SUCTION MACHINE**

Specifications:

- Components
 - Suction gauge/read out: analogue or digital
 - Vacuum regulator with variable control
 - Collection container: 1 liter or higher capacity, autoclavable including the lid
 - Suction tubes: Silicon material, non-collapsible and autoclavable
 - Overflow sensors in the collection containers to cut the power to the motor when the containers are already full
 - Bacterial filters on the suction side
 - Mobility/Portability: Mounted on a cart with 4 wheels with brakes
 - Power Supply: 220V, 60 Hz
 - Technical Characteristics
 - Maximum vacuum power: 60 kPa or higher
 - Sound level: less than 70 dB

➤ **4 units NEBULIZER**

Specifications:

- Components
 - Diaphragm type pump assembly
 - Replaceable air filter
 - Compartment for storing the nebulizer kit and air tube
- Power supply: 220V, 60Hz
- Technical Characteristics
 - Compressor pressure: at least 20 psig
 - Flow rate: at least 4 liter/minute
 - Particle size (MMAD): 5 microns or less
 - Noise level: less than 60 dB

➤ **2 units BIOLOGICAL REFRIGERATOR**

Specifications:

- Capacity: 100 liters

- Compression type refrigerator with CFC free refrigerant
- Electronic temperature control: +2 °C to +8 °C with setting accuracy of ± 1 °C
- Temperature monitoring
- a. Digital temperature LED display with 0.1 °C graduation
- b. Continuous temperature recorder with 7 day chart
 - Double paned see through glass with lock
 - CFC insulation material
 - The refrigerator must be frost and condensation free and with air circulation fan to ensure uniform temperature throughout the cabinet
 - Interior lighting: LED or fluorescent lamps with accessible switch located at the exterior part of the refrigerator
 - The shelves in the refrigerator must be adjustable
 - Power supply: 220V, 60 Hz with an external 1kVA Automatic Voltage Regulator
 - Mobility: Casters for easy movement of the equipment
 - Visual and audible alarms:
 - High and low temperature
 - Door ajar
 - Power failure

➤ **5 units GLUCOSE METER**

Specifications:

- Direct reading of blood glucose in mg/dl or mmol/l
- Blood sample size: 0.3 – 0.7 µl
- Average test time: less than 10 seconds
- Measurement range: 20- 600 mg/dl or mmol/l
- Memory capacity: at least 50 measurements
- LCD or LED display
- ON/OFF button and Memory button
- Power supply: Battery operated

➤ **45 units SPHYGMOMANOMETER**

Specifications:

- Aneroid type manometer gauge with at least 6 inch x 6inch dial face
- Maximum pressure reading: at least 300 mmHg
- Manometer reading accuracy: at least ± 2 mmHg
- The manometer must be mounted on a stand with caster and basket
- Inflatable rubber cuff surrounded by durable and flexible cover and with Velcro strips
- Latex free rubber tubes with at least 30 cm in length
- Latex free inflatable bulb with release valve

➤ **45 units STETHOSCOPE**

Specifications:

- Soft sealing ear tips
 - Earpieces with shaped and cushioned ends
 - Two earpieces, sprung to stay fixed in ears
 - Headset: Plain spring non-folding frame
 - Head and earpiece must be of non-ferrous material
 - Dual head chest piece: Cup/bell for low frequency sounds and Membrane (diaphragm) for skin contact pickup
 - Chest piece material: Stainless steel
 - Diaphragm diameter: at least 4.4 cm
 - Diaphragm material: Epoxy or fiberglass
 - Vinyl stethoscope tubing and color black
- Length of stethoscope: at least 68 cm

➤ **3 units STRETCHER**

Specifications:

- Load capacity: 180 kg or higher
- Length: at least 1900 mm
- Width: at least 650 mm
- Adjustable height: up to 750 mm using manual crank
- Minimum back section lifting angle: 60°
- Minimum leg section lifting angle: 35°
- The mechanism of the three (3) cranks for the adjustment of the height, back section and leg section must all be made of metal. The operation of the cranks must be smooth and safe.
- Fitted with 2 collapsible side rails on each side of the stretcher. The rails must have a minimum length of 500mm and a height of at least 150mm measured from the top of the stretcher frame to the top of the side rail
- The stretcher must have a quick release patient restrain system
- The stretcher frame must be made of strong lightweight and non-twisting construction
- Washable mattress with at least 4 inch thickness.
- The stretcher must be fitted with I.V. pole, push bar, rubber bumpers and side rails
- The stretcher must be fitted with three (3) swivel castors with brakes and one (1) castor with directional lock. The castors' diameter must be 150 to 200 mm

➤ **2 units WHEELCHAIR ACCESSIBLE WEIGHING SCALE**

Specifications:

- Weight capacity: at least 120 kg
- Unit of measurement: Kilogram (Kg) or Pound (lb) with 0.1 kg (0.2 lb.) increment
- LCD or LED display and control panel mounted on a stand
- Detachable ramp with nonskid surface
- Non-slip platform
- Non-slip grip handrail
- With connectivity/interface ports
- With FREE Wheelchair (5 units)

➤ **5 units OXYGEN CYLINDER WITH OXYGEN THERAPY SET**

Specifications:

- Capacity: at least 50 liters
- With hospital-grade standard regulator connector
- With output control valve
- Cylinder color: Green
- Oxygen Therapy Set
 - Type: Wrench
 - Gauge reading: 1,800 psi or higher
 - Flowmeter: 0 to 15 li/min
 - Humidifier bottle: Hard plastic
 - Capacity: 200ml to 300ml
- Oxygen tank holder with wheels suitable for 50 liter capacity

➤ **4 units DROPLIGHT/ EXAMINATION LIGHT**

Specifications:

- Type: Mobile with five stroke castor base and with at least 2 castors provided with brakes/locks
- Flexible light head
- Adjustable height: at least 400 mm
- LED white light equivalent to 100 watts
- Power supply: 220V, 60 Hz

➤ **3 units EMERGENCY CART**

Specifications:

- Width: at least 450 mm
- Length: at least 600mm
- Height: at least 900mm
- Steel or aluminum plate body
- ABS molded top
- With at four drawers with one 250 mm height drawer (with removable dividers) at the bottom. All drawers must have a manual or electronic lock
- With pull out writing table and push handle
- With guard rubber bumper
- Four (4) heavy duty caster wheels at least five (5) inches in diameter with locking brakes
- With needle disposal box
- ABS molded dust box

➤ **2 units AIRWAY ADJUNCTS**

Specifications:

- Oropharyngeal Airways
 - a. Material: Rubber or plastic
 - b. Sizes: 0,1,2,3,4,5,6
- Nasopharyngeal Airways
 - a. Material: Rubber, polyurethane or plastic
 - b. Sizes: 20Fr, 24Fr, 30Fr, 32Fr

➤ **2 units AIRWAY INTUBATION KIT**

Specifications:

- Bag-valve-mask device for adult
- Endotracheal tube: size 7.0, 7.5, 8.0
- Laryngoscopes set for adult
- Fiber optic LED light source
- Stainless steel blades, sizes: 2, 3, 4
- Stainless steel handle
- The device must be autoclavable

➤ **2 units MINOR SURGICAL SET**

Specifications:

- Material: Surgical grade stainless steel
- Components:
 - Curved mayo scissor: 8 inch (approx)
 - Kelly forceps curve: 6 inch (approx)
 - Knife handle with blades
 - Metal tray cover: 3 inches by 12 inches (approx.)
 - Metzemaum scissor: 8 inch (approx.)
 - Skin retractors
 - Straight mayo scissor: 8 inches (approx.)
 - Tissue forceps with teeth
 - Tissue forceps without teeth
 - Thumbs forceps
 - Mosquito forceps curved
 - Needle holder: 8 inches (approx.)

➤ **3 units CARDIAC BOARD**

Specifications:

- Material: Polypropylene plastic
- Thickness: at least 3/8 inch
- Width: at least 18 inches

- Length: at least 23 inches
- With hand hold at least 4.5 inches x 1.5 inches

➤ **5 units SHARP DISPOSAL BIN**

Specifications:

- Manufacturer's Standard

➤ **5 units FOOT STOOL**

Specifications:

- Stainless still material
- All welded construction
- Padded seat
- Flared legs with rubber tips
- With foot rest

➤ **10 units IV STAND**

Specifications:

- Stainless steel material
- Height adjustment range: 152 cm to 213 cm (60 to 80 inches)
- With 2 hooks

➤ **3 units MAYO INSTRUMENT STAND WITH TRAY**

Specifications:

- Material: Stainless steel
 - Removable stainless steel tray:
 - a. Width: at least 33 cm (13 inches)
 - b. Length: at least 45.7 cm (18 inches)
- Adjustable height and swivel caster at least 3 inches diameter and with locking brake

➤ **10 units PENLIGHT/FLASHLIGHT**

Specifications:

- Light source: LED
- Battery: 2 x AAA
- Imprinted pupil gauge
- With pocket clip

TOTAL COST: Php 36,592,000.00