



Republic of the Philippines
Department of Health
CENTRAL OFFICE BIDS AND AWARDS COMMITTEE

BID BULLETIN NO. 3
18 January 2024

**SUPPLY, DELIVERY, TESTING AND COMMISSIONING OF BRAND
NEW MOBILE PRIMARY CARE FACILITY (PCF)
IB No. 2023-296**

This Bid Bulletin is being issued to announce the new schedule of Submission and Opening of Bids, provide response to the pending issues and concerns raised by Endure Medical, Inc. filed last 09 January 2024, and to amend or modify the bidding document posted in the PhilGEPS and DOH websites for the Supply, Delivery, Testing and Commissioning of Brand New Mobile Primary Care Facility (PCF) under IB No. 2023-296. This Bid Bulletin shall form an integral part of the bidding document.

Listed below are the corresponding modifications/changes, to wit:

I. New Schedule of Activities:

PARTICULAR	Date and Time		VENUE
	From	To	
Submission and Opening of Bids	19 January 2024; 09:00 A.M.	25 January 2024; 09:00 A.M.	COBAC Conference Room., Ground Floor, Bldg. No. 6, Department of Health, San Lazaro Compound, Sta. Cruz, Manila and through video conferencing via Cisco WebEx

II. End-user's Response to Clarification Letter of Endure Medical, Inc.:

1. ITB Clause 5.3 which states, "For this purpose, contracts similar to the Project shall be: a) Medical vehicle and/or various Medical and Laboratory Equipment." has been previously addressed, see page 25 of Bid Bulletin No. 1 dated 12 January 2024.
2. Delivery period emphasizes that the agreed delivery period has to be complied with as we cannot delay the utilization of the Mobile Health Care Facility for the intended purpose. Once the prototype is accepted, it will be counted as the first delivery. The prototype must be presented within 10-15 calendar days upon receipt of the Notice to Proceed (NTP).
3. Vehicle Specification:
 - a. As regards the X-Ray Room in Annex D-1, page 101, may we know if the X-Ray room is required to have perimeter windows as shown in the drawing?
No need for perimeter windows. The windows indicated in the drawing are the standard windows for minibuses. You may cover the interior with walls or panels as indicated in the layout provided in the ITB.
 - b. As regards the requirement of IHP and 1.5HP Split Type Air Conditioning in the Xray Room and Ultrasound/ECG and Laboratory Room, page 34
The 1.5HP is located above the working table almost at the middle part of the mini bus and the 1HP is located at the x-ray room at the rear end of the mini bus. Kindly refer to Annex D-1 for your reference.

- c. As regards the 10Kva Generator Set (page 36), may we likewise be clarified where is the proposed location for this considering that this would not fit in the Mobile PCF?
This can be stored at the x-ray room located at the rear end of the minibus and can be pulled outside when it will be used. Kindly refer to Annex D-1 for your reference.

Clarification/Proposed Vehicle Specifications of Endure

1. *Overall dimensions (mm)- at least 6,990 x 2080 x 2,635 ($\pm 1\%$ tolerance)*
We request DOH to accept a dimension of 7,500mm x 2000mm x 2685mm.
2. *Page 36: Wheelbase (mm): 3,935 $\pm 1\%$ Tolerance)*
Given we are offering a longer dimension of the vehicle, we request DOH to accept a wheelbase of 4,200mm which will provide greater stability to the vehicle.
3. *Page 36: Minimum Ground Clearance (mm): 180 ($\pm 2\%$ Tolerance)*
We request DOH to range the requirement from 180 to 410mm.
4. *Page 37: Chassis - Wheels: 17.5" Steel*
We request DOH to range the requirement from 16''-17.5'' Steel.
5. *Page 37: Chassis - Brake Type: (Fr) Ventilated Disc, (Rr) Drum (w/ Auto Adjuster)*
We request DOH to accept front and rear drum brakes (w/ auto adjuster).
6. *Page 37: Chassis - Suspension: (Fr) Double Wishbone, (Rr) Leaf Spring*
Considering the advantages presented by Leaf Spring Suspension, we request DOH to accept front and rear semi elliptic leaf spring suspension with front stabilizers.
7. *Page 37: Chassis — Cool Air Intake: Snorkel Type (with pre cleaner)*
We request DOH to accept behind cab mounted half-height snorkel air intake with air filter and dry paper element which is better, if not at least equivalent, to a snorkel type cool air intake.

Response to the Foregoing Issues Raised, and the Issue of Tailor Fitting:

In particular, Section 18, R.A. 9184 mandates:

“SEC. 18. Reference to Brand Names. – Specifications for the Procurement of Goods shall be based on relevant characteristics and/or performance requirements. Reference to brand names shall not be allowed.”

Circumstances of the cited case *Capalla vs. COMELEC*, 2012 does not apply. The factual antecedents in the said case are totally different from the surrounding circumstances of this project. The technical specifications of the vehicle are the specifications necessary to support the weight and set-up of the Mobile PCF considering the equipping, use, and purpose.

DBM Budget Circular No. 2022-1, Sec. 5.4 provides: As a general rule, only the acquisition of base model vehicles, which are already complete per the manufacturer's specifications in terms of the basic vehicle components and essential aspects of construction and design without loss of functionality, shall be allowed. For customized or assembled vehicles, optional accessories or equipment shall be limited to those essential to meet the functional requirements, and those that would have been installed as part of the basic vehicle components.

Similarly, Annex “A”, paragraph N of the said circular states: Since specifications vary according to the manufacturer, model, intended use, etc., all pertinent data/specifications about the proposed motor vehicle must be supplied by the requesting agency

With this, it is our position that there is NO tailor fitting of Toyota Coaster specifications due to the foregoing considerations: (a) The specifications set a minimum and maximum dimensions; (b) There are tolerances provided for the different dimensions which do not favor a single manufacturer; and (c) The specification provided can be absolutely manufactured by big companies abroad.

Be that as it may, the proposed vehicle specification does not in any way contravene the provisions of RA 9184 particularly on competitive public bidding. In like manner, the technical specifications intend to ensure the quality and durability of the item being procured and does not deprive participation of local or international bidders.”

4. Notarized Certificate from the manufacturer or local dealer of the vehicle:

xxx

Requirement of seventy (70) authorized servicing dealers nationwide on Item IX (9) of the Technical Specifications, page 55 of the Bidding Documents –

c. That they have at least seventy (70) authorized servicing dealers nationwide or (c. 1) at least thirty (30) authorized servicing dealers nationwide provided that there is at least one (1) authorized servicing dealer available in every region.

All the additional requirements for the manufacturer or local dealer of the vehicle will be retained to ensure that they are fit and able to comply with the project requirements and to ensure that warranty and after sales services will be provided.

The legal basis for the requirement: Under Sec 62.1 of the 2016 revised IRR of RA 9184, it states that for procurement of goods, in order to assure that manufacturing defects shall be corrected by supplier, a warranty security shall be required from the contract awardee, for the vehicle manufacturers/dealer it was explicitly stated in our bid docs under additional requirements the warranty needed in order to ensure that the PCF will serve its purpose without any delay. The Mini Buses or the PCF will be distributed throughout the Philippines. The project will serve different municipalities for all the provinces and it will be favorable to the Government if a service center exists in every province to avoid delay of service to its people in case the vehicle will have a problem. In like manner, for the project’s sustainability, the vehicle needs to follow its preventive maintenance schedule. On this note, the Government will save time and cost if a service center exists in every province or at least close to one’s province.

5. Attachment of supporting documents in the Statement / List of All Ongoing Government and Private Contracts.

The Statement/List of All Ongoing Government and Private Contracts including contracts awarded but not started, if any, whether similar or not similar may be sufficient as provided for in Technical Documents of 2016 Revised IRR of RA No. 9184.

III. Changes in Section VI. Schedule of Requirements, Annex B and VII. Technical Specifications:

PARTICULAR	RESPONSE
Prototype: A prototype sample shall be presented by the supplier prior to the delivery of the Mobile PCF. During the prototype inspection, selected DOH Inspection Committee members shall verify the acceptability of the Mobile PCF interior architectural layout and interior finishes. The inspection team shall also verify the	Attached are the revised Section VI, Annex B, and Technical Specifications form for reference and use.

acceptability of the craftsmanship of the plumbing, electrical, structural and mechanical works and that the materials used conform to the required specifications. The prototype must be presented within 25 calendar days upon receipt of the Notice to Proceed (NTP).	
IX. Other requirements to be submitted during the bid opening	

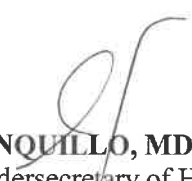
IV. Changes in Section VIII. Checklist of Technical and Financial Documents:

PARTICULAR	RESPONSE
III. Additional Documentary Requirements to be Attached in the Technical Specifications Form	Attached is the revised Checklist for reference and use.

The revised Schedule of Requirements, Annex B, Technical Specifications Form and Checklist of Technical and Financial Documents are enclosed for prospective bidders' reference and use.

All other provisions of the bidding documents which are not affected shall remain in effect.

For guidance and information of all concerned.


KENNETH G. RONQUILLO, MD, MPH, CESO III
 Undersecretary of Health
 COBAC – E Chairperson

Section VI. Schedule of Requirements

The delivery schedule expressed as calendar days stipulates hereafter a delivery date which is the date of delivery to the project site.

Lot No.	Description	Quantity and Unit	ABC (PhP)	Delivery Site	Delivery Schedule
1	Supply, Delivery, Testing and Commissioning of Brand New Mobile Primary Care Facility (PCF)	83 units	830,000,000.00	Department of Health Warehouse within Metro Manila	<p>1. Prototype: A prototype sample shall be presented by the supplier prior to the delivery of the Mobile PCF. During the prototype inspection, selected DOH Inspection Committee members shall verify the acceptability of the Mobile PCF interior architectural layout and interior finishes. The inspection team shall also verify the acceptability of the craftsmanship of the plumbing, electrical, structural and mechanical works and that the materials used conform to the required specifications. The prototype must be presented within 10-15 calendar days upon receipt of the Notice to Proceed (NTP).</p> <p>2. Completion Period: The delivery, testing, and commissioning of the Mobile Primary Care Facility (PCF) shall be completed within 120 calendar days upon receipt of the NTP.</p> <p>1st tranche: 20 units- 30 calendar days upon receipt of approved Notice to Proceed</p> <p>2nd tranche: 21 units- 60 calendar days upon receipt of approved Notice to Proceed</p> <p>3rd tranche: 21 units- 90 calendar days upon receipt of approved Notice to Proceed</p>

					4 th tranche: 21 units -120 calendar days upon receipt of approved Notice to Proceed
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***Please include the attached Annex B –Technical Specifications with signature of the authorized representative as part of the submission of the bid proposal.**

 Signature over Printed Name
[date of signing]

In the capacity of:
 Duly authorized to sign bid for and on behalf of:

[title or other appropriate designation]
[Name of Company]
[Complete office address]
[Contact No.]
[Fax No.]
[Email Address]

ANNEX B
TECHNICAL SPECIFICATIONS

I. Name of Project: Supply, Delivery, Testing and Commissioning of Brand New Mobile Primary Care Facility (PCF)
II. Quantity: 83 units
III. Fund Source: General Appropriations Act 2023, Trust Receipts
IV. Approved Budget for the Contract (ABC)
<p>Cost of Each Unit: 10,000,000.00 4,371,770 for Mini bus, 1,195,000 for Customization with Generating Set and Additional Aircon 4,433,230 for Medical Equipment and Telemedicine with bag Total ABC: 830,000,000.00</p>
V. Mobile Primary Care Facility (PCF) Description
<ol style="list-style-type: none"> 1. The Mobile Primary Care Facility (PCF) shall be a Mini Bus with a dimension of at least 6990mm (length) x 2080mm (width) x 2635mm (height), ±1% tolerance (interior is custom-made) 2. The Mobile Primary Care Facility (PCF) shall have the following medical services: <ol style="list-style-type: none"> a. Chest X-ray b. Hematology, blood chemistry, electrolyte analysis, and urinalysis. c. Basic ultrasound procedures (OB Gyn, abdominal, thyroid gland, neck, etc.), electrocardiography, blood pressure measurement, and ophthalmoscopy, blood glucose measurement, breathing volume measurement. 3. The Mobile Primary Care Facility (PCF) shall have the necessary components, parts, and equipment described in the following sections to facilitate and support the medical services identified above.
VI. Mobile Primary Care Facility (PCF) Specifications
A. Indicative Floor Layout
<ol style="list-style-type: none"> 1. The indicative floor layout for the Mobile Primary Care Facility (PCF) is shown in Annex D-1. The layout shows the different compartments, their measurements, and the positioning of some equipment. It must be clear that the shown layout is for indicative purposes only. Entrance layout is acceptable as long as the specifications indicated in the following sections of this Technical Specifications are complied. 2. The required body marking for the Mobile Primary Care Facility (PCF) is shown in Annex D-2.
B. Mobile Primary Care Facility (PCF) Interior Finishes
<ol style="list-style-type: none"> 1. Interior Walls and Ceiling: The interior walls and ceiling of the Mobile Primary Care Facility (PCF) shall be made white painted aluminum composite panels or other lightweight, and equivalent strength materials. The interior walls and ceiling must be firmly and securely fastening to the body structure of the Mini bus 2. Wall Partitions: The wall partitions shall be at least 1/4 mm thick aluminum composite or other lightweight, and equivalent strength materials with galvanized iron frame. 3. Windows: The Mobile Primary Care Facility (PCF) must be fitted with at least two windows (One for the laboratory room and one for the Ultrasound room). 4. Main Door: The main door of the Mobile Primary Care Facility (PCF) shall be a folding automatic door. The door shall be fitted with a tempered glass window with door lock. 5. Floor: The floor of the Mobile Primary Care Facility (PCF) shall be finished with non-slip, wear resistant PVC vinyl material, at least 2mm thick and gray color. 6. Interior Lighting: Each room/part of the Mobile Primary Care Facility (PCF) shall be properly illuminated using Daily Light LED lamps. The LED lamps shall be flush-mounted on the ceiling of the Mobile Primary Care Facility (PCF) and the LED lamps in each room/part shall have independent switches flush-mounted on the wall adjacent to the doors. each room/part of the Mobile Primary Care Facility (PCF) shall have the following illumination level: <ol style="list-style-type: none"> a. X-ray room: minimum of 800 lux (minimum of 2 pieces 6 Watts LED lamps or equivalent) b. Laboratory room: minimum of 800 lux (minimum of 2 pieces 6 Watts LED lamps or equivalent) c. Ultrasound/ECG room: minimum of 800 lux (minimum of 2 pieces 6 watts LED lamps or equivalent) d. Other parts: minimum of 400 lux (minimum of 1 piece 6 Watts LED lamp or equivalent)
C. X-ray Room Specifications
<ol style="list-style-type: none"> 1. The room size shall be 1956mm (width) x 1800mm (length) and with diagonal length is 2.6meters with ±

5% tolerance.

2. All walls of the x-ray room shall be lined with at least 1.5 mm thick lead sheet with a density of 11.36g/cm³. The lead sheet must be glued onto and sandwiched between the room interior panels and the body structure of the Mini Bus.
3. The door of the x-ray room shall be lined with 1.5 mm thick lead sheet from edge to edge including door jambs.
4. The room shall be fitted with a viewing window at least 101.6mm (width) x 203.2 mm (length). The base of the window shall be located at a height of at least 1.3m from the floor. The two windows must be made of lead glass material with a lead equivalence of at least 8mm.
5. The control of the x-ray machine must be installed in front of the lead glass viewing window and placed outside the room.
6. A red warning light must be installed above the x-ray room door. The light must be automatically illuminated when the x-ray machine is switched on.
7. The X-ray Machine including all peripherals and accessories shall be securely mounted and shall be properly installed in compliance with the regulatory requirements of the Center for Devices, Radiation Health and Research, Food and Drug Administration.
The required technical specifications and other requirements for the x-ray machine are indicated in Section VIII.
8. The room shall be fitted with an air-conditioning unit (ACU), at least 1 HP, split type, inverter technology, 220V, 60Hz. The ACU must be securely mounted on the Mini Bus body structure.

D. Ultrasound/ECG Room Specifications

1. Size of the Ultrasound/ECG room shall be at least 1800mm (width) x 1800mm (length), ± 5% tolerance.
2. An Ultrasound machine and an ECG machine shall be installed in the room. The respective cart/trolley of the equipment shall be securely mounted on the floor or shall have a fastening system to avoid the equipment from rolling during transportation. The required technical specifications and other requirements for the Ultrasound Machine, and ECG machine are indicated in Section VIII.
3. The room shall also contain the following medical equipment with the required technical specifications indicated in Section VIII:
 - a. Telemedicine
 - b. Stethoscope
 - c. Ophthalmoscope
 - d. Examination Light
4. The room shall be installed with at least one duplex type convenience outlet (10A, 220V, 60Hz) with grounding located on the head side of the Examination Table to provide power to the Ultrasound machine and ECG machine.
5. This room together with the laboratory room, shall be fitted with an air-conditioning unit (ACU), at least 1.5 HP, split type, inverter technology, 220V, 60Hz. The ACU must be securely mounted on the Mini Bus body structure.
6. Ultrasound bed and overhead cabinet Dimensions:
Overhead Cabinet: 1800mm (length) x 370mm (width) x 280mm (height), ± 5% tolerance
Ultrasound Bed: 1800mm (length) x 550mm (width) x 850 (height), ± 5% tolerance with two toned color of light gray and dark gray.
7. The room also features curtains with a 12 mm diameter curtain rail and a length of 1800 mm. Curtain size is 5' (length) x 7' (width) or 1524 mm (length) x 2134 mm (width)

E. Laboratory Room Specifications

1. The size of the Laboratory shall be at least 1.5m (width) x 1.8m (length) ± 5% tolerance.
2. The room shall have the following:
 - a. Working bench/table top with approximate dimension 1500mm (length) x 550 mm (width) x 850 (height), ± 5% tolerance. The benchtop shall be made of resin phenolic surface or equivalent waterproof, chemical proof, and scratch proof material. The lower section of the bench shall consist of at least 4 cabinets with at least 2 shelves and with doors with lock.
 - b. Wall mounted overhead cabinets placed directly above the working bench. With approximate size of 1500mm (length) x 370mm (width) x 280mm (height) ± 5% tolerance divided into at least four cabinets with at least 1 shelf with lockable doors. The bottom side of the cabinet shall include an LED lighting fixtures to provide additional illumination of the working bench. Lavatory made of stainless steel with water faucet connected to clean water tank and with drainage system connected to the waste

water tank. The water supply pipes and drainage pipes must be covered with a cabinet built stainless steel or PVC or ABS material.

- c. This room together with the ultrasound room, shall be fitted with an air-conditioning unit (ACU), at least 1.5 HP, split type, inverter technology, 220V, 60Hz. The ACU must be securely mounted on the Mini Bus body structure.
- d. At least 3 duplex type convenience outlets (10A, 220V, 60Hz) with grounding installed on the wall side of the working bench to provide power to the laboratory Equipment.
- e. The Laboratory Room shall contain the following laboratory equipment with the required technical specifications and other requirements shown in Section VIII:
 - i. Hematology Analyzer
 - ii. Chemistry Analyzer
 - iii. Binocular Microscope
 - iv. Clinical Centrifuge
 - v. Hematocrit Centrifuge
 - vi. Pharmaceutical Refrigerator
 - vii. Handheld Electrolyte Analyzer

F. Entrance and Hallway Specifications

1. The side door shall serve as the entrance way going to the Ultrasound/ECG room and Laboratory room. The entrance to the X-ray room is at the back door.
2. A bench with a dimension of 700mm (length) x 400mm (width) x 450mm (height), $\pm 5\%$ tolerance shall serve as a waiting bench for the patients and may also be used for the blood collection shall be installed in the hall way. The bench shall be securely mounted on the floor. The bench (seat and backrest) shall be made of sturdy aluminum frame material and panels coated with white color paint or other lightweight, equivalent strength material such as fiberglass reinforced plastics or plastic laminated. The seat and backrest must be fitted with mattress made of polyurethane foam covered with a washable leatherette material. The construction of the bench must be in such a way that the underneath can be used as a compartment.
3. A digital clock with at least 4-inch display shall be mounted on the wall of the hall way. The vehicle shall also have a Fire Extinguisher which is well mounted.
4. Must have a working table with the following dimension: 1050mm (length) x 500mm (width) x 700mm (height), $\pm 5\%$ tolerance

G. Clean Water Tank

The Mobile Primary Care Facility (PCF) shall be installed with a refillable stainless steel 304 clean water tank at least 80 liters capacity and with a piping system to provide clean water to the lavatories. A water hose with a diameter of 1/2 inch and 20 meters length shall be provided to be used for filling up the tank with clean water. The size of the clean water tank shall be at least 1000mm (length) x 400mm (width) x 250mm (height), $\pm 5\%$ tolerance

H. Waste Water Tank

The Mobile Primary Care Facility (PCF) shall be fitted with a stainless steel 304 waste water tank at least 100 liters capacity and with piping system for the drainage of used water from the lavatories. A drain hose at least 20 meters length with a quick release valve to serve as a means to drain the waste water from the tank shall be provided. The size of the waste water tank shall be at least 600mm (length) x 420mm (width) x 320mm (height), $\pm 5\%$ tolerance

I. Installation of Electrical Wirings and Devices

The Mobile Primary Care Facility (PCF) shall be installed with the appropriate electrical wirings, switches and circuit breakers for the supply of electrical power to the x-ray room, laboratory room, Ultrasound/ ECG room, air-conditioning units, ceiling lamps, and convenience outlets from the Generator Set and/or from an outside power source.

J. Manual Transfer Switch

A Manual Transfer Switch (at least 100 amperes, 230V) installed between the Generator Set connection and outside power source. The connection for the outside power source must be a retractable extension cord, 30 mm 2 stranded copper wire with grounding wire, at least 10 meters length, with heavy duty electrical plug.

K. Electric Generator Set

Generator Set Info

Rated Frequency (Hz): 60 Hz
Rated Voltage (V): 220V
Rated Power: 9.0kW
Max. Power: 10.0 KVA
DC Output: 12V 8.3A
Phase Number: Single
Excitation Transistorized: Brush, exciting-self
Power Factor: 1
Fuel Tank Capacity (L): 20
Engine No.: 195FD
Starting Engine type: 4 strokes, OHV, Single cylinder Air-cooled
Bore x Stroke (mm): 95*75
Displacement: 0.531L
Compression ratio: 20:1
Rated Speed (rpm/min): 3600 ± 1% tolerance
Rated Power[kw/(rpm/min)]: 10.5, 11.0
Engine Oil Tank (L): 1.65
Fuel consumption (g/kwh): ≤275
Fuel Type: 0# (Summer), -10# (Winter), - 35#(Extremely cold) Diesel
Engine Oil Brand: SAE10W30 or 15W-40 or (CD grade above)
Optional: ATS/REMOTE
Package size (mm): 950 (length) x 550 (width) x 770 (height)
Net/Gross Weight (kg): 170/175 ± 1% tolerance

L. Aircon:

Split type (1.5HP), inverter technology, 220V, 60Hz
Split type (1 HP), inverter technology, 220V, 60Hz

M. Vehicle Sticker

As per design in Annex D

Front: more or less 155W x 30H (cm)
Back (Body): more or less 100W x 94H (cm)
Back (Left Side): more or less 30W x 73H (cm)
Back (Right Side): more or less 30W x 73H (cm)
Side (Top): more or less 460W x 60H (cm) / 2pcs
Side (Body): more or less 410W x 170H (cm) / 2pcs
Side (Front): more or less 190W x 110H (cm) / 2pcs
Side (Front): more or less 30W x 30H (cm) / 2pcs (DOH logo)

Color scheme

Red - c14 m98 y100 k4
Blue - c100 m97 y6 k7
Yellow - c2 m16 y98 k0

VII. Vehicle Specifications

Overall Dimensions (mm): at least 6,990 (length) x 2,080 (width) x 2,635 (height) ± 1% tolerance
Wheelbase (mm): 3,935 ± 1% tolerance
Minimum Ground Clearance (mm): 180 ± 2% tolerance
Seating Capacity: 2 (D&P)

Engine Transmission

Engine Type: 4-cylinder, In-Line, 16-valve OHV, Gear drive
Displacement (cc): minimum 4000
Max Output (PS/rpm): at least 130/2500 - 136/2500
Max Torque (Nm/rpm): 390/1400
Fuel Type: Diesel
Fuel Tank Capacity (L): at least 90

Fuel Regulation Type: EURO 4
Transmission: 5-speed manual transmission

Chassis

Wheels: 17.5" Steel
Spare Tire: Full Spare (Front)
Brake Type: (Fr) Ventilated Disc, (Rr) Drum (w/ Auto Adjuster)
Suspension: (Fr) Double Wishbone, (Rr) Leaf Spring

Exterior

Headlamps: Halogen
Rear Combination Lamp: Halogen
Cool Air Intake: Snorkel Type (with Pre Cleaner)
Windshield Wiper: (Fr) Intermittent
Center Door: Folding Auto Type
Back Door: Double-Leafed Hinged Door

Interior

Seat Material: Fabric
Inside Rearview Mirror: With
Parking Brake: Lever

Function

Ignition System: Rotary
Air-conditioning System: Manual Climate Control
12v Socket: 1

Safety

SRS Airbags: Driver side,
Seatbelts: (D) 3pt. ELR Pretensioner + Force Limiter, (P) 3pt. ELR
With Anti-Lock Brake System and with Brake Assist

Tools

Manufacturer standard

VIII. Medical Equipment Specifications

1. (83 units) PORTABLE X-RAY SYSTEM WITH BUCKY STAND

X-ray Unit

- Standard output power: ≥ 5 kVA
Maximum output power: $P=100\text{kV} \times 50\text{mA}=5\text{kW}$
Power capacity: ≥ 5 kVA;
Inner resistance $\leq 0.5\Omega$
Voltage range: Voltage: $AC220V \pm 22V$
- Tube current: 20-100mA
- mAs range: 0.2-200mAs, shift adjustment
- Exposure time: 0.01s-4s
- Frequency: ≥ 40 kHz
- X-ray tube type
Focal spot size: 1.8mm
Anode heat capacity: 40KJ
- Dimension: at least 290mm (length) x 260mm (width) x 230mm (height), $\pm 1\%$ tolerance
- Weight: 18-20 kg

Digital Flat Panel Detector

- Technology: Amorphous Silicon
- Scintillator: CsI
- Active area (mm²): 427X427
- Pixel Pitch: at least 139 μm

- Pixel Matrix: 3072x3072
- Spatial Resolution: 3.6 Ip/mm
- AD Conversion: 16 bit
- Data Transmission: GiGE
- Stable iSync + Automatic Exposure Detection
- Preview Image Time: 3
- Full Image Time: 5
- Dimension: 460mm (Length) x 460mm (Width) x 15mm (height)
- Weight: 4kg -5kg
- Power Dissipation (W): 30

Environment Specification

- Operating Temperature (°C): 5~35°
- Storage & Transport Temperature with package (°C): -10~55°
- Operating Humidity (%RH): 30~80 (Non-Condensing)
- Storage & Transport Humidity with package (%RH): 10~90 (Non-Condensing)

Bucky Stand

- Size: 1780mm (height) *650mm (length) *430mm (width), ± 1% tolerance
- General Weight: 200kg to 205kg
- Net Weight: 180KG -190kg

Digital Image Workstation

- CPU: Core i5 or better
- Memory Capacity: 16gb or more
- Hard disk: 500gb or better
- System: 64 bits window operating system
- With ink-jet printer

2. (83 units) PORTABLE ULTRASOUND MACHINE

General Features:

- Weighing not more than 5 kgs, comfortably pick and go.
- Built-in battery, working time more than 2 hours, extending point of care to sites where power sources are unavailable.
- Not only a professional ultrasound system, could also be a laptop computer upon request.
- 15-inch LED display, as large as 175 degree viewing angle.
- 8-segment TGC, precise adjustment of near/far gain.
- 2 USB ports, connectivity of USB flash and laser printer
- Discom 3.0 port, compatibility with archives, PACS or serves
- Projector port, a must for lecturing or training
- Probe variety: convex, micro-convex, endo-cavity/rectal, linear
- Specialty: general, OB/GYN, vascular, cardiology, urinary, small organs, joint, muscle, etc.
- Display mode; B, 2B, 4B, B/M, M
- Imaging mode: 2D, free-hand 3D
- Scanning depth: 250mm and depth could be increased, depend on the probes
- Image/video format: AVI, JPG, BMP, PNG, TIF, DICOM

Technical Parameter:

- **Display:** Fully Digital 15-inch LED Display, 3D Ultrasound
- **Platform:** PC-Based
- **Beam Forming:** DBF, RDA, DRA, DRF
- **DFS:** Dynamic frequency scanning from 2.0 to 12.0MHz, 4 multi-frequency scanning
- **THI:** Yes
- **Display mode:** B, 2B, 4B, B/M, M
- **Resolution:** 600 * 800
- **Dynamic range:** ≥100dB, 4 steps of switching functions

Image process technologies:

- Controllable frame correlation, Gamma correction, edge enhancement, image smoothing, image denoising, automatic gain adjustment, up/down, left/right and black/white conversation

Image magnification

- Step-less magnification, dynamic real-time PIP local zoom functions

Cine loop

- 512 frame auto/manual cine loop; multi screens cine loop (4B, 9B); auto/manual cine loop under B/M and M mode

Image management system

- The functions of pigeonholing, browsing, comparing, saving, printing and transferring images; as many as hundreds of thousands of images and thousands of cine loop could be saved; saved images could be operated by full-screen browse under slide mode.

Measurement and calculation

- Measure perimeter and area by distance or ellipse method; measure perimeter and area by track method; measure body surface area and volume by ellipse method. 4 measure sticks; rate measure; linear stenosis ratio, area stenosis ratio, angle measure. All calculations are automatic.

Assist tools

- Puncture guide, histogram, sectional drawing.

Menu manage interface

- Real time online support and navigation clew system, image fore-set and one-key optimization functions.

Body marks: Multi-tens**Patient cases database system**

- All the data could be saved, searched and managed. Multiple kinds of OB. measurement reports, fetus physiological grades and reports and fetus growth curve.

Presetting Formulas

- Presetting system for diagnosis and measurement formulas. Different formulas could be set according to different races.

Auto-measure software of OB., Gyn., small organs, cardiac, urology and others:

- **OB.:** BPD, CRL, GS, HA, AC, HC, FL, APAD, TAD, FTA, HUMERUS, OFD, THD, TIBIA, ULNA, AFI, LIMP, BBT, FBP
- **Gyn.:** uterus diameter, intima thickness, ovary column, regnant ovarian follicle, length of cervix long-diameter, uterine.
- **Small organs:** thyroid gland, hip joint.
- **Cardiac:** AOD, LAD, IVSTd, LVIDd, AA, LAD/AOD, LVPWd, LVIDs, EF, EF SLP, CA/CE, MVCF, CO, CI, LVMWI, AVSV, FS, ACV, ET, SV, SI, LVMW, QMV.
- **Urology:** remained urine sample, prostate, PSAD.
- **Patient cases database systems.** All the data could be saved, searched and managed.
- **Multiple kinds of OB.** measurement reports, fetus physiological grades and reports and fetus growth curve.
- **3D Software:** YES

Relative Extended ports:

- VGA, S-Video, TV video port
- USB2.0 port, 2G saving card
- RJ-45 network port extended ports

- Multiple kinds of saving modes are all supported, containing soft disk, hard disk, flash disk, CF card, SD card and others.
- Compatible of jet printer, laser printer, video printer and video recorder

Probes:

- 3.5MHz R60/R50 convex probe; multi-frequency from 2.0MHz to 5.0MHz
- 7.5MHz L40 linear probe; multi-frequency from 5.0MHz to 10.0MHz
- 6.5MHz R10/R13 transvaginal probe; multi-frequency from 5.0MHz to 8.0MHz
- 3.5MHz R20 cardiac probe; multi-frequency from 2.0MHz to 5.0MHz

Accessories:

- Mobile Trolley
- Desktop: aviation aluminum, surface anode; With handle; Size 420 * 400mm; 830mm above the ground; Bearing capacity: atleast 100kg; ± 1% tolerance
- Column: aviation aluminum, surface anode; 700mm high, 50mm diameter:
- Basket: iron wire impregnated with plastic, position adjustable: size: 320 * 200*120mm
- Base: steel structure with plastic exterior decoration, with a diameter of 550mm; 5* 3 "silent wheel (two with brake)
- Packaging: modular packaging; Net weight: 7.68kg; Gross weight: 9.5kg; Size:600*590*270mm;
- Optional accessories: printer board, probe cup, cable hanger, caster can be replaced with 4-inch caster. The basket can be replaced with plastic basket;
- Scope of application: portable color Doppler ultrasound, ECG, high frequency scalpel, small monitoring equipment, testing instruments and emergency tools

3. (83 units) OPHTHALMOSCOPE

- Rechargeable
- Illumination: Direct Illumination
- Luminance: 14 Lumen
- Power Handle: The clip type handle
- Color Temp: 3000k or 4000K ± 5%
- Color Rendering Index (CRI): LED bulb 90%
- Ear Tip Sizes: Dioptric Lenses and Apertures Type
- Weight: 129g ± 1%
- Battery: &116 Ni_Mh 2.4V 16000MA
- Bulb Electrical Parameter:
LED: Model &206c, 3.0Vdc, 80mA
XHL: Model &106F, 3.6Vdc, 350mA

Accessories:

- 19 kinds of dioptric lenses
- Fixation star
- Small circle
- Large circle spot
- Semi-circle spot
- Red-free filter

4. (83 units) HEMATOLOGY ANALYZER

General Features:

- 3-part differentiation of WBC, 24 parameters, up to 60 samples test per hour
- Electrical resistance for counting and SFT method of Hemoglobin
- Low sample consumption: venous 9.8ul, prediluted 20ul for twice testing one time
- 8.4" inches color touch screen (windows interface all testing parameter displayed simultaneously)
- Windows operation system graphical buttons mouse and keyboard operation
- Automatic diluting, mixing, rinsing and clog clearing
- Automatically sample probe cleaning (inside and outside)
- Large storage capacity: up to 10,000 samples +3 histograms Internal thermal-sensitive printer or external printer.

- RS232 interface, PC connecting

Main Technical Specifications:

- Methodology: Electrical resistance for counting, hemoglobin cyanide method and SFT method for hemoglobin
- Parameter: 3-part differentiation of WBC; 21 parameters and 3 color histograms (WBC, RBC, PLT)
- Work mode: double Channel + unique Hemoglobin test system
- Sample volume: 9.8µL for Venous and capillary mode, 20µL for prediluted mode
- Throughput: More than 60 samples per hour, operable 24 hours a day, auto sleeping and waking-up functions
- Storage: up to 100,000 sample results including histograms can be stored, convenient for inquiry and management of history data
- Operation language: English
- QC control: X-B, L-J, X, SD, CV%
- Reference Value Setting: Male, Female, Children, Neonate
- Input/output: RS232, parallel printer and keyboard
- Print: Graphic thermal printer with various printing format, optional external printer
- Temperature: 18°C -30°C, wet ≤10-90%
- Power supply: 220 V ±22 VAC, 50/60Hz
- Dimension: 33 CM (L)* 38 CM (W)* 43 CM (H) ± 1% tolerance
- Weight: 20 KG ± 1% tolerance
- Turnaround time: more or less 1 min

Precision:

Parameters	Linear Range	CV%
WBC (10 ⁹ /L)	0.0 - 99.9	≤2%
RBC (10 ¹² /L)	0.0 - 99.9	≤1.5%
MCV (fL)	4 - 150	≤0.5%
PLT (10 ⁹ /L)	0 - 999	≤4.0%
HGB (g/L)	0.0 - 300.0	≤1.5%

Parameters:

- WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR P-LCC
- 3-histograms: WBC, RBC and PLT

5. (83 units) CHEMISTRY ANALYZER, FULL-AUTO

Features:

- Two test mode: Automatic washing and Disposable cuvette
- Open system, real time curve showing
- LED lamp, ≥10000 hour for long life
- 7-inch Color LCD, touch screen
- Memory for 10,000 sample results
- RS232 interface, PC connecting
- Probe with anti-collision function, liquid level detection
- High pressure water flush interior the probe

Specifications:

- Test Mode: Kinetic, End-point, Fixed-time, Turbidimetry, Absorbance
- Sample positions: 24 +5 (Using original tube)
- Calibration position: 1
- QC position: 1
- ST position: 1
- Reagent positions: 54 (27 for 6mL; 27 for 24mL)
- Cuvettes position: 81 can be reusable
- Sample volume: 2~30 uL, 0.1ul increasing

- Reagent volume: 20~350 uL, 0.1ul increasing
- Test speed: 120 tests/hour
- Wavelength: 8 Wavelength, 340, 405,450, 510, 546, 578, 630,700 nm 0-4.000 Abs
- Absorbance precision: inside 0.00001 Abs
- Repeatability CV: < 1%
- Carry-over: < 1.1%
- Water consumption: 5L/H Automatic washing mode; 2.5L/H for disposable cuvette mode
- Quality control curve: X, SD, CV%, L-J quality control curve for every test item
- Printer: Internal thermal sensitive printer
- Interface: RS-232
- Work Environment: Temperature 10°C ~ 30°C, Humidity: ≤85%
- Power supply: 100~240VAC, 50/60Hz, 100VA
- Storage: at least 8gb
- Turnaround time: 20 seconds or less

Usual test list

- Liver function: ALT AST ALP T-BIL D-BIL TP ALB CHE Nh3
- Renal function: BUN CRE UA URE y-GT
- Lipids: T-CHO TG HDL-C LDL-C
- Cardiac function: CK CK-MB LDH
- Others: GLU AMS Anti-CCP ASO CRP D-Dimer HbA1c RF SAA
- B2M Cys-C LP(a) mAlb MB NGAL RBP

6. (83 units) CLINICAL CENTRIFUGE, 12 PLACER

Technical Parameter:

- Capacity: 12-placer
- Power Supply Input: ACC 220V, 50/60Hz
- Max Speed: 4000r/min
- Max RCF: 1880xg
- Max Capacity: 120ml
- Speed Accuracy: ±20r/min
- Time Range: 0: 99min
- Noise: ≤5dB
- Dimension: 283mm (length) × 220mm (width) × 265mm (height), ± 1% tolerance
- Weight: 6kg ± 1% tolerance
- Turnaround time: 1 min or less

Standard Features:

- Brushless motor
- 4,000 RPM
- Angle motor
- Microprocessor control system
- Digital display of speed
- RCF and time
- Overspeed protection
- Can set speed
- RCF start
- Can change the parameters during centrifuge running to achieve the best centrifugation effect
- Self-balance

7. (83 units) HEMATOCRIT CENTRIFUGE

Technical Parameter:

- Capacity: 24 placer
- Power Supply Input: 220 - 240 VAC, 60 Hz
- Speed Range 500 to 12,000 rpm
- Increment: 100rpm

- Max RCF: 13,680 x g
- Speed Accuracy: +100
- Run Time: 30sec-99min/Continuous
- Motor: Brushless DC motor
- Display: LCD
- Safety Devices: Door interlock, Overspeed detector; Automatic internal diagnosis, Automatic rotor identification
- Acceleration/Braking time: 40s↑ 40s↓
- Power Requirements: Single-phase, 200V-240V, 50Hz/60Hz, 5A; 100V-120V, 50Hz/60Hz, 5A 160W
- Dimension (W x D x H): 280 × 364 x 213mm, ± 1% tolerance
- Weight: 8.5kg
- Certification: CE cTÜVus FCC MCA

Standard Features:

- Motor Type: Brushless
- Speed range of 500-12000 rpm
- Precise and independent control of speed and time
- Easy operation with intuitive menu and LCD display
- Pulse operation for fast and convenient quick spins
- Advance features include speed/RCF switch; short-time run function; audible alert function
- Safety features include door interlock, overspeed detector; over-temperature detector; automatic internal diagnosis and automatic rotor identification
- Door interlock
- Advanced features: Speed/RCF switch; Short-time run function; sound-alert function

8. (83 units) BINOCULAR MICROSCOPE

Standard Features:

- **Viewing Head:** Sliding Binocular Head, Inclined at 45°
- **Eyepiece:** Wide Field Eyepiece WF10X WF16
- **Objective:** Achromatic Objectives 4X 10X 40Xs 100Xs (oil)
- **Condenser:** Abbe Condenser NA1.25 with Diaphragm, Filter
- **Nosepiece:** Quadruple Nosepiece
- **Focusing System:** Coaxial Coarse and Fine Adjustment, Moving Range 30mm
- **Stage:** Double Layer Mechanical Stage 140x140mm, Moving Range 75mmx45mm
- **Illumination:** 6V/20W Halogen Lamp, Brightness Adjustment
- **Product single size:** 32cm (length) × 27cm (width) x 43cm (height), ± 1% tolerance

9. (83 units) REAGENT REFRIGERATOR

Technical Specifications:

- Volume: 90L
- Inner Temperature: 2~8 °C
- Voltage: 220V/50Hz
- Power Consumption: 2.8kW/h24h
- Input Power: 100W
- Electric Shock: I/B
- Climate Type: N
- Alarms Type: Sound/Light
- Optional Functions: Recorder/Printer/SMS
- Refrigerant: R600a
- Net Weight: 40kg
- Chamber: 3
- Product Dimension: 490 x 490 x 1240 mm (D x W x H), ± 1% tolerance
- Package Dimension: 580 X 580 X 1350mm

Humanized Design:

- High quality steel wire dip adjustable shelf
- Outdoor anti-condensation technology

- Large screen digital display
- Safety door lock design
- Suitable for wide voltage band of 187-242V
- Transparent vacuum tempered glass door
- Energy saving lighting in the cabinet

Safe Control System:

- Keyboard lock and password protection
- System failure alarm sound and point code display (high temperature/low temperature/sensor failure)
- Delayed start self-check at start up and shutdown interval protection
- Sensor failure, digital disorder, safe and automatic running program
- Power-off memory function

Accurate Temperature Control System:

- High resolution temperature calibration function, proofreading in 0.1°C increments
- Intelligent control of fan strong refrigeration gas circulation.
- Display accuracy of 0.1 °C, precise box temperature of 2~8°C.

10. (83 units) HANDHELD ELECTROLYTE ANALYZER

Electrolyte Analyzer

- Maintenance-free: No fluid pipe inside the device, no reagent pack required
- Easy to use: Convenient bedside testing with whole blood
- Fast Lab-quality results: Provides accurate results in approximately 5 minutes, auto-calibration before each test
- Portable: Size: 240mm (length) × 120 mm (width) × 110 mm (height) +1% tolerance
- Weight: 1.5 ± 0.2 kg (including battery)
- Including ionized magnesium (iMg²⁺): Used for hypomagnesemia and hypermagnesemia monitoring

Electrolyte Cartridge

- 5 in 1 cartridge: Concurrently tests 5 parameters: K⁺, Na⁺, Cl⁻, iCa²⁺ and iMg²⁺, addressing more comprehensive clinical needs
- No risk of sample contamination: Dry chemistry method, single-use cartridge eliminates the risk of contamination

Performance

- **Potassium (K⁺):** Even small changes in extracellular K⁺ concentration will have significant effects on the transmembrane potential gradient, and thereby the function of neuromuscular and cardiac tissues.
- **Sodium (Na⁺):** As the most abundant extracellular fluid solute, Na⁺ is the major determinant of its osmolality and thereby the principal determinant of water distribution between the intracellular and extracellular compartments. This highlights the role of Na⁺ in the maintenance of blood volume and thereby blood pressure.
- **Chloride (Cl⁻):** As the second most abundant extracellular fluid ion after Na⁺, and the most abundant extracellular fluid anion, Cl⁻ is essential for the maintenance of normal plasma osmolality
- **Ionized Calcium (iCa²⁺):** The maintenance of iCa²⁺ within normal limits is not only important for the structural integrity of bones but for a range of physiological functions, including: hemostasis, cardiac and skeletal muscle cell contraction, neuromuscular transmission and action of many hormones (calcium-signaling).
- **Ionized magnesium (iMg²⁺):** iMg²⁺ relates to the stabilization of intracellular potassium, which ensures the normal functionality of myocardium, nerve and muscle.

Application

- **Emergency Department:** Monitoring of electrolytes in critically ill patients with poisoning, coma and convulsions
- **Anesthesiology Department:** Monitoring of electrolytes during surgical anesthesia (preoperative, intraoperative and postoperative)
- **Nephrology Department:** Monitoring of electrolytes for patients in dialysis ward
- **ICU:** Monitoring of electrolytes in critically ill patients

- **Dermatology Department:** Monitoring of electrolytes in patients with severe trauma, burn and scald
- **Primary Medical Institution:** Electrolytes test
- **Surgery:** Monitoring of electrolytes during operation
- **Gastroenterology Department:** Monitoring of electrolytes in patients with diarrhea and vomiting accompanied by coma

11. (83 units) EXAMINATION LIGHT

Product Description

- A light used during examinations or treatment of the patient. It is usually used during examination or treatment during minor events Designed to be easily moved from one location to another. Arm: 105 +/- cm articulated, spring loaded arm, arm with on/off switch and incorporated electronically transformer.
- Medical Light to be proposed as basic equipment in health structures, it can be used for medical and gynecological examination and minor operation. One of the advantages of a LED examination lamp is its compactness. It can be placed in front of the operator without obstructing sight.

Main Technical Data

- Illuminance: 30,000Lux 0.5m/5,000Lux 1m
- Color temperature: 4800±200K
- Adjust: Adjust light
- Total irradiance: 380W/
- Size of light field: 100mm ± 1% tolerance
- Rated power of bulb: 3.3/3W
- Power supply voltage: 220V/50Hz
- Bulb: LED bulb

12. (83 pieces) STETHOSCOPE, ADULT

Standard Features:

Applications: Physical assessment and diagnosis
 Chest piece material: Stainless steel
 Chest piece type: Double sided
 Chest piece weight: 97g
 Diaphragm diameter: 4.55cm
 Chest piece (small side) Diameter: 3.5cm
 Diaphragm material: Epoxy / Fiberglass
 Diaphragm type: Tunable diaphragm
 Y-tube material: PVC
 Y-tube length: 60 cm
 Whole length: 77 cm
 Binaural material: Stainless steel
 Binaural weight: 33g
 Ear tip type: Soft / Hard sealing

13. (83 sets) TELEMEDICINE WITH BAG

Excellence Performance

- Outstanding performance, easy to use.
- Provide accurate and stable basic parameters and measurement of test.

Super Storage

- Fully support patient's health.
- Management terminal mass storage

Long Standby

- Long battery for 8 hours working

Easy to Use

- A good helper for medical staff.
- Novice medical staff can also quickly master the using of method.

Reliable and durable

- Adapt to changeable application environment.
- The product is sturdy and durable.

Data's Transmission

- Multiple data's handling method.
- Remote wireless transmission methods.

Telemedicine Monitor:

- 10.1-inch touch screen
- New design and stable for placing
- New software and more functions
- Fast Test and Easy to Use
- Real Time data exchange
- Superior accurate test result
- Rechargeable lithium battery backup for 5 hours

Standard Configuration:

- 12 lead ECG
- NIBP
- Infrared forehead TEMP
- SPO2
- HR/PR
- Backpack

Specifications:

- Electric shock protection: Class II, Internal powered equipment
- EMC: Group 1, Class A
- Degree of protection against electrical shock: ECG, SpO2, NIBP: Defibrillation-proof Type CF applied part. TEMP: Type BF applied part
- Degree of protection against liquid: IPX1 (Protected against vertically falling water drops. Vertically falling drops shall have no harmful effects.)
- Operation mode: Continuous
- Product life: 5 years
- Main unit dimension: 263 mm (L) ×230 mm (W) ×410 mm (H)
- Display screen: 10.1-inch color TFT display, Touch-screen, Resolution: 1280×800
- Main unit net weight: ≤2kg

ECG parameter

- Lead type: IEC 12-lead
- Waveform 12-channel waveforms
- Display sensitivity 2.5mm/mV(×0.25), 5mm/mV(×0.5), 10mm/mV(×1), 20mm/mV(×2), Auto
- Waveform sweep speed: 5mm/s, 6.25mm/s, 10 mm/s, 12.5 mm/s, 25mm/s, 50mm/s
- Common mode rejection ratio: >100dB
- Input signal range: ±5mV (peak-to-peak value)
- Electrode offset potential tolerance: ±500mV
- Time constant: ≥3.2seconds
- Calibration signal: 1mV (peak-to-peak value), accuracy ±5%
- System noise: <30uV (peak-to-peak value)

HR

- Measuring range: Adult: 15bpm to 300bpm Pediatric: 15bpm to 350bpm
- Measuring accuracy: ±1% or ±1bpm (whichever is greater)
- Resolution: 1bpm

SpO2 Sensor

- Range: 0% to 100%
- Resolution: 1%
- Accuracy: Adult, Pediatric; 70% to 100%: $\pm 2\%$; 0% to 69%: Undefined
- Wavelength range: $660\pm 3\text{nm}$ to $905\pm 5\text{nm}$
- Emitted light energy: $<15\text{mW}$
- Type: Finger clip

NIBP

- Measurement methods: Oscillometric method
- Measurement parameters: systolic, diastolic, mean and PR
- Cuff pressure measuring range: 0 to 297mmHg
- Pressure accuracy: 1mmHg
- Max. mean error: $\pm 5\text{mmHg}$
- Max. standard deviation: 8mmHg
- Maximum cuff pressure: 300mmHg TEMP
- Measurement method: Thermal resistance
- Mode of operation: Direct mode
- Measuring range: 35°C to 45°C
- Resolution: 0.1°C
- Accuracy (with sensor): $\pm 0.2^{\circ}\text{C}$
- Refresh time: 1 to 2 sec
- Adult: Systolic pressure: 40 to 255mmHg
Diastolic pressure: 10 to 195mmHg
Mean pressure: 20 to 215mmHg
- Pediatric Systolic pressure: 40 to 200mmHg
Diastolic pressure: 10 to 150mmHg
Mean pressure: 20 to 165mmHg

Power Supply

- Internal power: Rechargeable lithium-ion battery, 3.8VDC.
- Capacity: 3.8V, 12000mAh
- Working time: More than 5 hours (when powered by a new fully-charged battery in environment temperature 25°C).
- Charge time: Less than 4 hours to 90%. Less than 4.5 hours to 100%.
- Shutdown delay: at least 5 min (after a low battery alarm first occurs).
- Outside power supply: the device could be powered by adapter which meets safety requirements of IEC 60601-1 standard.
- Specification: input: 100V-240V, a.c., 50Hz/60Hz; output: d.c., 5.0V/0-4A

Storage and Transportation conditions

	Storage and Transportation condition	Operational condition
Temperature	$-20^{\circ}\text{C}\sim+55^{\circ}\text{C}$	$0^{\circ}\text{C}\sim+40^{\circ}\text{C}$
Relative Humidity	15%-95% (non-condensing)	15%-85% (non-condensing)
Atmospheric temperature	700 to 1060hpa	860 to 1060hpa

Working Rationale

1. ECG monitoring

The bioelectrical changes of the heart itself are reflected on the surface of the body through the conductive tissues and body fluids around the heart, so that regular electrical changes occur in all parts of the body in each cardiac cycle. The electrocardiogram is a technique that records the changes of electrocardiogram from the body surface in each cardiac cycle. The electrodes are placed on a certain part of the human body surface. By detecting the changes of the electrocardiogram potential at this point, the electrocardiogram curves of the changes of the cardiac potential can be transformed into the electrocardiogram curves, as well as heart beat rate.

2. SPO2 monitoring

Bill-Lambert's Law is the mainstream technology of non-invasive oxygen measurement. Pulse oximeters calculate the Optical Modulation Ratio ('R') as $(AD/DC)600/(AC/DC)880.905.940$, where '660'; '880'; '905' and '940' subscripts represent the optical LED Peak wavelengths in nanometers. An empirically determined calibration curve allows the oximeter to derive the displayed SpO₂ from the observed R curve values, as well as pulse rate.

3. Blood Pressure monitoring

Oscillometric methods, it can automatically complete the inflation, deflation and measurement, which can measure systolic and diastolic blood pressure as well as the pulse rate of patient.

4. Temperature monitoring

The resistance value of thermistor varies with temperature, and shows obvious regularity. When the resistance value of thermistor varies, the voltage of the measuring circuit also varies. After the change is converted into digital signal by AD, the temperature of the target.

Intended Use

- The product is suitable for measuring and recording the physiological parameters such as electrocardiogram (ECG), heart rate (HR), pulse oximetry (SpO₂), pulse rate (PR) of adults, and body temperature (TEMP), non-invasive blood pressure (NIBP) of adults and pediatrics. The optional external equipment such as infrared thermometer, semi-automatic urine analyzer, blood glucose/uric acid analyzer, white blood cell analyzer, hemoglobin analyzer, blood lipid analyzer, specific protein analyzer can be integrated into HES, and in addition, the measurements can be displayed, reviewed, stored, transmitted, and printed.
- The device is intended to be used in institutions or healthcare facilities with health care capabilities, such as outpatient clinics, emergency rooms, medical wards, clinics, care facilities, and other general departments. The device is not intended for intensive care, transfer, and home use, it cannot be used in OR and ICU. The device is intended to be used by physicians and trained healthcare professionals.

Intended Population

- Adult and child

Environment

- Hospital or healthcare environment

Prescription

- Prescribed device

Contraindication

- None

Compositions

- The multi-parameters examination monitor consists of main unit and accessories which contains ECG lead wires, ECG electrodes, SpO₂ sensor, NIBP cuff and extend tube, temperature probe, and adapter.

With Attachable Functions

- The Telemedicine have the function as the displaying media for other medical devices such as:
 1. Infrared thermometer
 2. Semi-automatic urine analyzer
 3. Blood glucose/uric acid analyzer
 4. White blood cell analyzer
 5. Hemoglobin analysis Instrument
 6. Specific protein analyzer
 7. Blood Lipids analyzer

Telemedicine Peripherals

1. 12 lead ECG
2. NIBP Cuff
3. Fingertip SPO₂
4. Infrared forehead TEMP

- Beep alarm
- LCD backlight
- Unit switchable
- 20 Memories
- 1s fast reading
- Non-contact infrared

5. Thermal Printer

Specification:

- Outline dimension: 80mm (length) x 46mm (height) x 123mm (width) ± 1% tolerance
- Very silent printing thru direct thermal printing method
- High speed (60mm/sec, MAX)
- High resolution(203dpi : 8dots/mm)
- USB / Blue-tooth /Serial RS-232C
- Paper width (58mm)
- Support text and graphic printing
- Easy paper loading
- Life of printing head (50km)
- Charger (Input AC 100~240V, 1.0A; Output DC8.4V,1.2A
- Li-ion Battery (DC7.4, 1200mAh)

6. Spirometer

Specifications:

- Battery: 3.7V-300mAh Rechargeable Li-Po
- Operational Current: 100mA
- Charging Method: USB Charging
- Battery life with 1 full charge: 6 days (3 uses per day)
- Battery life when IDLE: 30 days
- Display: 1.44" TFT LCD display
- Spirometer Measurements 3.7V
 1. PEF(Peak Expiratory Flow)
Range 66-999 L/min, with 1 L/min interval;
 2. FEV1(Forced Expiratory Volume in first second)
Range 0.01-9.99 L, with 0.01 L interval;
 3. FVC (ForcedVital Capacity)
 4. Range 0.01-9.99 L, with 0.01 L interval

7. Stethoscope, Adult or child

8. Digital Weighing Scale

Specification:

- Size: 280mm (length) * 280mm (width) * 24mm (depth) ± 1% tolerance
- Capacity:11-396lb/5-180kg ± 1% tolerance
- Batteries: 3*1.5 VAAA
- Division:0.2lb/0.1kg
- Unit: lb/kg (Switch the unit by Setting>My information>Unit)

9. Laser Printer

Features

- Wifi one step installation and direct printing
- Compact and sleek design
- Office document direct print form mobile devices
- Fast print speed
- Wi-fi connectivity and mobile printing
- Convenient one step installation

Specifications

Printing:

- **Printing technology:** Electrophotographic monochrome laser
- **Print speed:** 22 ppm (A4)/23 ppm (Letter)
- **First print out time:** Less than 7.8s
- **Maximum monthly volume:** 15,000 pages
- **Recommended monthly volume:** 700 pages

- **Resolution(dpi):** Max. 1,200×1,200
- **Printer language:** Gdi
- **Duplex mode:** Manual

Paper handling:

- **Paper input:** 150 pages
- **Paper output:** 100 pages
- **Media weight:** 60~163g/m²
- **Paper output:** Plain, Thick, Transparency, Cardstock, Label, Envelope, Thin
- **Media size:**
A4, A5, A6, JIS B5, ISO B5, B6, Letter, Legal, Executive, Statement, Monarch envelope, DL envelope, C5 envelope, C6 envelope, NO.10 envelope, Japanese postcard, Folio, Officio, Big 16k, 32k, 16k, Big 32k, ZL, Yougata4, Postcard, Younaga3, Nagagata3, Yougata2

General:

- **General dimensions:** (W x D x H): 337 x 220 x 178 mm (13.27" x 8.66" x 7.01")
- **Weight (with cartridge):** 4.75kg (10.47lbs)
- **Recommended environment:**
Temperature range: 10-32°C (50°F-90°F)
Humidity range: 20%-80%
- **Power:**
220V Model: AC220~240V (-15%,+10%), 50Hz/60Hz; 3A
- **Noise:**
Printing: 52 dB
Standby: 30 dB
- **Power consumption:**
Printing: Average 370W
Ready: 38W
Sleep Mode: Less than 2W
- **Operating system compatibility**
Windows Server2003/2008/2012/XP/ Vista/Win 7/Win 8/Win8.1 / Win10 (32/64 Bit);
Mac OS 10.7~10.13;
Linux: Ubuntu 12.04/14.04 (32/64 Bit)
- **Mobile operating system compatibility**
iOS 7.0 and above;
Android 4.4 and above
- **Connectivity**
Hi-Speed USB 2.0; WiFi: IEEE 802.11b/g/n
Hi-Speed USB 2.0
- **Processor speed**
600MHz
- **Memory**
128MB
- **Energy efficiency**
ENERGY STAR® certified

10. Urine Analyzer

- Back light display
- One-button operation
- Bluetooth
- 8 hrs standby
- External Printer
- Big storage 1000 group test data

11. White Blood Cell Analyzer

Features:

- Easy operation
- Microfluid chip zero pollution
- Lab quality accuracy

- Convenient portability
- Rapid test
- Precise identification
- Ultra-portable

Specifications:

- Sample dosage: 10ul
- Inspection time: ≤ 3 min
- Comparability of device: deviation WBC $\leq 5\%$
- Repeatability: precision $\leq 0.0\%$
- Gross Weight/N.W.: 3.2kg/2.7kg
- Disposable Consumable: Means no washing/ recycling to avoid contamination and sampling accuracy issues
- Work environment temperature: $0^{\circ}\sim 40^{\circ}\text{C}$
- Dimension: 321mm (length) x 300mm (width) x 230mm (height) $\pm 1\%$ tolerance

12. Hemoglobin Analyzer

- 7ul blood
- Microfluid chip
- 3 seconds
- CV 1.5%
- 2000 test results
- Built-in-battery

13. Dry Biochemical Analyzer

Specification:

- Detection time: ≤ 3 mins
- Turnaround time: more or less 3 mins
- CV: $\leq 0\%$
- Sample type: Serum, whole blood, plasma
- Sample volume: $45\mu\text{L}$
- Power supply Adapter input: AC100~240V,50/60Hz,30VA; output 5V,2A
- Built-in Lithium battery: DC3.7 \pm 0.3V
- Measurement: 157.5mm (length) * 145.7mm (width) * 64.6mm (height)
- Weight: 622g
- Data storage: 3000 results
- Display: 4.3' touch screen
- Storage environment Temp:-20 $^{\circ}\text{C}$ ~60 $^{\circ}\text{C}$;Rh:10% ~ 90%
- Operation environment Temp:15 $^{\circ}\text{C}$ ~35 $^{\circ}\text{C}$;Rh: $\leq 5\%$

Features:

- High precision
- Disposable consumable
- 3min
- Constant temperature and humidity
- Optional printer

Test Items:

- Lipids + Glucose: TC, TG, HDL-C, LDL-C, Glu
- Kidney Function: UREA, CRE, UA
- Liver Function: ALB, ALT, AST
- Screening for Metabolic Diseases: TC, UA, GLU
- Screening of Blood Donors: Hb, ALT Sample dosage: less than $60\mu\text{l}$ Repeatability: CV less than 2%
- Accuracy or comparability less than less than $\pm 3\%$
- Power: 5V/3A power adapter, built-in lithium battery

Optional configuration as below:

Lipids + Glucose			
Measurement	TC	2.59~12.93 mmol/L	Sample: Serum, whole blood, plasma
	TG	0.51~7.34 mmol/L	Sample Volume: 45 μ L
	HDL-C	0.39~2.59 mmol/L	Testing time: 3 mins
	GLU	2.0~18.0 mmol/L	
Screening of blood donors			
Measurement	Hb	45~256g/L	Sample: Serum, whole blood, plasma
	ALT	100~800 U/L	Sample Volume: 45 μ L Testing time: 2 mins
Screening for Metabolic diseases			
Measurement	TC	2.59~12.93 mmol/L	Sample: Serum, whole blood, plasma
	UA	120~1200 mmol/L	Sample Volume: 45 μ L
	GLU	2~18 mmol/L	Testing time: 3 mins
Liver Function			
Measurement	ALB	10~60 g/L	Sample: Serum, whole blood, plasma
	ALT	10~800 U/L	Sample Volume: 45 μ L
	AST	10~800 U/L	Testing time: 3 mins
	AST/ALT		
Kidney Function			
Measurement	Urea	2.5~40 mmol/L	Sample: Serum, whole blood, plasma
	Cre	30~1000 μ mol/L	Sample: Serum, whole blood, plasma
	UA	120~1200 μ mol/L	Testing time: 3 mins
	Urea/Cre		

14. Immunofluorescence Analyzer

Features:

- High precision
- Disposable consumable
- 3min
- Ultra-portable
- Optional printer

Test parameters:

- COVID-19 Neutralizing Antibody CRP+SAA
- CRP(full range); PCT
- NT-proBNP
- HbA1c; Ferritin; D-Dimer; 25-OH-VD
- Instrument automatically self-calibration when power-on
- Bluetooth transmission is supported
- Rechargeable polymer lithium battery
- Support external thermal printer(printer is not included).

Specification:

- Weight: G.W. 0.8KG N.W.0.75KG
- Dimension: 95.6mm (width) * 96mm (height) * 183.5mm (length) \pm 1% tolerance
- Built-in Lithium battery: DC3.7 \pm 0.3V
- Display: 4.3' touch screen
- Data storage: 2000 results
- Work (Operation) environment Temp: 15 $^{\circ}$ C~35 $^{\circ}$ C; Rh: \leq 5%
- Turn-around time (Detection time): \leq 5min

Power Supply Unit:

Power supply Adapter input: AC100~240V, 50/60Hz, 30VA; output5V, 2A

Inflammation	
CRP	Measurement: 0.5~150 mg/L
	Sample: Serum, whole blood, plasma
	Sample Volume: 10 μ L
	Reaction time: 3 mins
CRP/SAA	Measurement: CRP 5~150 mg/L SAA 5-150 mg/L
	Sample: Serum, whole blood, plasma
	Sample Volume: 10 μ L
	Reaction time: 5 mins
PCT	Measurement: 0.1~50 ng/mL
	Sample: Serum, plasma, whole blood
	Sample Volume: 100 μ L(Serum, plasma), 150 μ L(whole blood)
	Reaction time: 15 mins

Cardiac Markers	
NT-proBNP	Measurement: 30-30000 pg/mL.
	Sample: Serum, plasma, whole blood
	Sample Volume: 100 μ L(Serum, plasma), 150 μ L(whole blood)
	Reaction time: 10 mins
D-Dimer	Measurement: 0.1~10 mg/L
	Sample: Serum, plasma, whole blood
	Sample Volume: 100 μ L(Serum, plasma), 150 μ L(whole blood)
	Reaction time: 10 mins
Diabetes Mellitus	
HbA1c	Measurement: 4-14%
	Sample: whole blood
	Sample Volume: 10 μ L
	Reaction time: 10 mins
COVID-19	
COVID-19 Neutralizing Antibody	Measurement: 5-1500 IU/mL
	Sample: Serum, plasma, whole blood
	Sample Volume: 20 μ L
	Reaction time: 15 mins
Others	
25-OH-VD	Measurement: 5~120 ng/L
	Sample: Serum, plasma, whole blood
	Sample Volume: 20 μ L
	Reaction time: 15 mins
Ferritin	Measurement: 6~100 ng/L
	Sample: Serum, whole blood, plasma
	Sample Volume: 20 μ L
	Reaction time: 10 mins

IX. Other requirements to be submitted during the bid opening

1. Mobile Primary Care Facility (PCF) proposed floor layout with dimensions.
2. Mobile Primary Care Facility (PCF) layout showing the placing of the equipment, air conditioning units, benches, clean water tank, waste water tank, transfer switch, and generator set.
3. Product brochure(s) or technical data sheet(s) in Hard and Soft copies showing the technical specifications of the following in English language:
 - a. Mini Bus
 - b. Portable X-Ray Machine
 - c. Ultrasound Machine
 - d. Hematology Analyzer
 - e. Chemistry Analyzer
 - f. Binocular Microscope

- g. Clinical Centrifuge
 - h. Hematocrit Centrifuge
 - i. Reagent Refrigerator
 - j. Handheld Electrolyte Analyzer
 - k. Ophthalmoscope
 - l. Examination Light
 - m. Stethoscope
 - n. Telemedicine
 - 12 Lead ECG
 - NIBP Cuff
 - Fingertip SPO2
 - Infrared forehead TEMP
 - Thermal Printer
 - Spirometer
 - Stethoscope
 - Digital Weighing Scale
 - Laser Printer
 - Urine Analyzer
 - White Blood Cell Analyzer
 - Hemoglobin Analyzer
 - Dry Biochemical Analyzer
 - Immunofluorescence Analyzer
 - o. Air-conditioning units
 - p. Generator Set
 - q. Manual transfer switch
4. Valid and current Certificate of Compliance with ISO 13485: Quality Management System Requirements for regulatory purposes in the name of the following equipment. The Certificate must be issued by an independent Certifying Body/Agency:
 - a. Portable X-Ray Machine
 - b. Ultrasound Machine
 - c. Hematology Analyzer
 - d. Chemistry Analyzer
 - e. Binocular Microscope
 - f. Clinical Centrifuge
 - g. Hematocrit Centrifuge
 - h. Reagent Refrigerator
 - i. Handheld Electrolyte Analyzer
 - j. Ophthalmoscope
 - k. Examination Light
 - l. Stethoscope
 - m. Telemedicine
 5. Valid Certificate of Distributorship (as first Tier Distributor) issued by the Manufacturer/s of the x-ray machine, ultrasound machine, hematology analyzer, chemistry analyzer, and telemedicine authorizing the bidder to sell/distribute the offered equipment.
 6. In lieu of FDA, CMDR and CMDN except for Equipment under FDA Circular No. 2021-017 Subject: Reference List of Class A Medical Devices issued on August 12, 2021
 - a. Distributorship Agreement with foreign manufacturer or Manufacturer's Certificate that the supplier/bidder is authorized distributor in the Philippines duly authenticated by the Philippine Territorial Consulate from the country of origin; OR in Apostille or
 - b. Notarized Distributorship Agreement between the local Manufacturer/ Distributor Importer/ Wholesaler and the Bidder, And
 - c. ISO Certificate -13485 of the Manufacturer (Photocopy of Authenticated copy) or any equivalent ISO Certification
 7. Bidder's valid and current License to Operate (LTO) as a medical device distributor issued by the Philippine Food and Drug Administration.
 8. Notarized Certificate from the manufacturer or local dealer of the vehicle:
 - a. That the manufacturer has been manufacturing diesel engines and mini buses and/or medium duty trucks for the past twenty-five (25) years.
 - b. That the vehicles are brand new, unused, not discontinued models and were not subjected to

any product recall.

- c. That they have at least seventy (70) authorized servicing dealer nationwide

9. Sworn Statement using the prescribed form

10. Company Profile of each prospective bidder who wish to purchase a copy of the Bid Documents

X. Warranty Certificate to be submitted during Bid Opening

1. The Bidder shall issue a Warranty Certificate from the Manufacturer/Dealer of the mini bus which shall include the following:
 - a. The Mini Bus is covered with a warranty of three (3) years or 100,000 km, whichever comes first on parts and services.
 - b. That the manufacturer/dealer shall either cause the repair or replacement of any item or part in the vehicle that is found to be defective in material or in workmanship under normal use. The warranty period shall commence from the date of acceptance by the end-user after testing and commissioning.
 - c. Preventive maintenance schedule on the first 1,000 km and 5,000 km shall be free of labor cost in any authorized service provider of the Mini bus dealership.
 - d. That they shall provide mechanics and/or technicians that can perform on-site service and maintenance, provided that the end user will shoulder the travel expenses within the warranty period.
2. Warranty Certificate for two (2) years on the Mobile Primary Care Facility (PCF) body and interior components, medical equipment, and one (1) year for air conditioning units, generator set, manual transfer switch. The Supplier shall either repair or replace any item or part that is found to be defective in material or in workmanship under normal use. The warranty period shall commence from the date of acceptance by the end-user after testing and commissioning. The warranty certificate shall include the following:
 - a. The bidder shall conduct the necessary corrective maintenance within fifteen (15) calendar days upon notification of equipment breakdown from the end-user.
 - b. The bidder shall have the primary responsibility and accountability to ensure that in case of defects, the vehicle, equipment, instruments and/or peripherals are appropriately repaired or replaced and shall be in good working condition thereafter.

XI. Requirement/s if Declared the Lowest/Single Calculated Bid

Site inspection in the bidder's facility to verify/validate the capability and capacity of the bidder to fabricate the Mobile Primary Care Facility (PCF). The inspection shall be conducted by the Technical Working Group (TWG). This requirement is not applicable if the facility is located outside the Philippines.

XII. Requirements if the Contract is awarded

1. **Prototype:** A prototype sample shall be presented by the supplier prior to the delivery of the Mobile Primary Care Facility (PCF). During the prototype inspection, selected DOH Inspection Committee members shall verify the acceptability of the Mobile Primary Care Facility (PCF) interior architectural layout and interior finishes. The inspection team shall also verify the acceptability of the craftsmanship of the plumbing, electrical, structural and mechanical works and that the materials used conform to the required specifications. The prototype must be presented within 10-15 calendar days upon receipt of the Notice to Proceed (NTP)."
2. **Completion Period:** The delivery, testing, and commissioning of the Mobile Primary Care Facility (PCF) shall be completed within 120 calendar days upon receipt of the NTP.
 - 1st tranche: 20 units- 30 calendar days upon receipt of approved Notice to Proceed
 - 2nd tranche: 21 units- 60 calendar days upon receipt of approved Notice to Proceed
 - 3rd tranche: 21 units- 90 calendar days upon receipt of approved Notice to Proceed
 - 4th tranche: 21 units -120 calendar days upon receipt of approved Notice to Proceed
3. **Delivery sites:** The Mobile Primary Care Facility (PCF) shall be delivered in DOH warehouse located within Metro Manila.
4. **Training:** The supplier shall provide orientation/training on the use and maintenance of the Mobile Primary

Care Facility (PCF), Vehicle, air-conditioning unit, generator set and manual transfer switch, and all medical equipment to the end-users at a schedule to be agreed upon by HFEP MO, recipient sites, and supplier.

5. **Testing:** Upon delivery, each Mobile Primary Care Facility (PCF) shall undergo preliminary physical inspection by HFEP MO Inspection Team to ascertain the physical condition and acceptability of the units. All equipment, instruments, accessories and peripherals shall be functioning and shall have no physical damage.

6. **The supplier shall submit the following to the end user/recipients of the Mobile Primary Care Facility (PCF):**

- a. Operator's Manual in English language for the Mobile Primary Care Facility (PCF), vehicle, medical equipment and their accessories, air-conditioning unit, generator set, and manual transfer switch."
- b. At least three (3) years validity of vehicle LTO registration with red plate.
- c. Third Party Liability (TPL) vehicle insurance for one (1) year and comprehensive GSIS vehicle insurance for one (1) year.

7. **Payment**

Payment shall be made per delivery of the Mobile Primary Care Facility (PCF) and acceptance by DOH-HFEP.

For staggered delivery: Terms of payment/billing shall be made for each completed delivery and acceptance upon presentation of signed Invoice Receipt and submission of relevant documents as stipulated in the contract.

XIII. Similar Contract

- a. Similar contract of Medical Vehicle OR Medical Equipment and Supplies within the past 5 years

XIV. Sub-contract

The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that **subcontracting is not allowed.**

Signature over Printed Name

[date of signing]

In the capacity of:

Duly authorized to sign bid for and on behalf of:

[title or other appropriate designation]

[Name of Company]

[Complete office address]

[Contact No.]

[Fax No.]

[Email Address]

Technical Specifications

Republic of the Philippines Department of Health TECHNICAL SPECIFICATIONS			
Lot No. 1	Supply, Delivery, Testing and Commissioning of Brand New Mobile Primary Care Facility (PCF)	Quantity / Unit	83 units
Name of Manufacturer:		Country of Origin:	
Brand:			
Total ABC: PhP830,000,000.00			
PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
A. Detailed Technical Specifications I. Mobile Primary Care Facility (PCF) Specifications A. Indicative Floor Layout <ol style="list-style-type: none"> 1. The indicative floor layout for the Mobile Primary Care Facility (PCF) is shown in Annex D-1. The layout shows the different compartments, their measurements, and the positioning of some equipment. It must be clear that the shown layout is for indicative purposes only. Entrance layout is acceptable as long as the specifications indicated in the following sections of this Technical Specifications are complied. 2. The required body marking for the Mobile Primary Care Facility (PCF) is shown in Annex D-2. 			
B. Mobile Primary Care Facility (PCF) Interior Finishes <ol style="list-style-type: none"> 1. Interior Walls and Ceiling: The interior walls and ceiling of the Mobile Primary Care Facility (PCF) shall be made white painted aluminum composite panels or other lightweight, and equivalent strength materials. The interior walls and ceiling must be firmly and securely fastening to the body structure of the Mini bus 2. Wall Partitions: The wall partitions shall be at least 1/4 mm thick aluminum composite or other lightweight, and equivalent strength materials with galvanized iron frame. 3. Windows: The Mobile Primary Care Facility (PCF) must be fitted with at least two windows (One for the laboratory room and 			

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Total ABC: PhP830,000,000.00			
PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>one for the Ultrasound room).</p> <p>4. Main Door: The main door of the Mobile Primary Care Facility (PCF) shall be a folding automatic door. The door shall be fitted with tempered glass window with door lock.</p> <p>5. Floor: The floor of the Mobile Primary Care Facility (PCF) shall be finished with non-slip, wear resistant PVC vinyl material, at least 2mm thick and gray color.</p> <p>6. Interior Lighting: Each room/part of the Mobile Primary Care Facility (PCF) shall be properly illuminated using Daily Light LED lamps. The LED lamps shall be flush-mounted on the ceiling of the Mobile Primary Care Facility (PCF) and the LED lamps in each room/part shall have independent switches flush-mounted on the wall adjacent to the doors. each room/part of the Mobile Primary Care Facility (PCF) shall have the following illumination level:</p> <p>a. X-ray room: minimum of 800 lux (minimum of 2 pieces 6 Watts LED lamps or equivalent)</p> <p>b. Laboratory room: minimum of 800 lux (minimum of 2 pieces 6 Watts LED lamps or equivalent)</p> <p>c. Ultrasound/ECG room: minimum of 800 lux (minimum of 2 pieces 6 watts LED lamps or equivalent)</p> <p>d. Other parts: minimum of 400 lux (minimum of 1 piece 6 Watts LED lamp or equivalent)</p>			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>C. X-ray Room Specifications</p> <ol style="list-style-type: none"> 1. The room size shall be 1956mm (width) x 1800mm (length) and with diagonal length is 2.6meters with \pm 5% tolerance. 2. All walls of the x-ray room shall be lined with at least 1.5 mm thick lead sheet with a density of 11.36g/cm³. The lead sheet must be glued onto and sandwiched between the room interior panels and the body structure of the Mini Bus. 3. The door of the x-ray room shall be lined with 1.5 mm thick lead sheet from edge to edge including door jambs. 4. The room shall be fitted with a viewing window at least 101.6mm (width) x 203.2 mm (length). The base of the window shall be located at a height of at least 1.3m from the floor. The two windows must be made of lead glass material with a lead equivalence of at least 8mm. 5. The control of the x-ray machine must be installed in front of the lead glass viewing window and placed outside the room. 6. A red warning light must be installed above the x-ray room door. The light must be automatically illuminated when the x-ray machine is switched on. 7. The X-ray Machine including all peripherals and accessories shall be securely mounted and shall be properly installed in compliance with the regulatory requirements of the Center for Devices, Radiation Health and Research, Food and Drug Administration. <p>The required technical specifications and other</p>			

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Brand:			
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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>requirements for the x-ray machine are indicated in Section VIII.</p> <p>8. The room shall be fitted with an air-conditioning unit (ACU), at least 1 HP, split type, inverter technology, 220V, 60Hz. The ACU must be securely mounted on the Mini Bus body structure.</p>			
<p>D. Ultrasound/ECG Room Specifications</p> <ol style="list-style-type: none"> 1. Size of the Ultrasound/ECG room shall be at least 1800mm (width) x 1800mm (length), \pm 5% tolerance. 2. An Ultrasound machine and an ECG machine shall be installed in the room. The respective cart/trolley of the equipment shall be securely mounted on the floor or shall have a fastening system to avoid the equipment from rolling during transportation. The required technical specifications and other requirements for the Ultrasound Machine, and ECG machine are indicated in Section VIII. 3. The room shall also contain the following medical equipment with the required technical specifications indicated in Section VIII: <ol style="list-style-type: none"> a. Telemedicine b. Stethoscope c. Ophthalmoscope d. Examination Light 4. The room shall be installed with at least one duplex type convenience outlet (10A, 220V, 60Hz) with grounding located on the head side of the Examination Table to provide power to the Ultrasound machine and ECG machine. 5. This room together with the laboratory room, shall be fitted with an air-conditioning unit (ACU), at least 1.5 HP, split type, inverter technology, 220V, 60Hz. The ACU must be securely mounted on the Mini Bus body structure. 6. Ultrasound bed and overhead cabinet 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>Dimensions:</p> <p>Overhead Cabinet: 1800mm (length) x 370mm (width) x 280mm (height), ± 5% tolerance</p> <p>Ultrasound Bed: 1800mm (length) x 550mm (width) x 850 (height), ± 5% tolerance with two toned color of light gray and dark gray.</p> <p>7. The room also features curtains with a 12 mm diameter curtain rail and a length of 1800 mm. Curtain size is 5' (length) x 7' (width) or 1524 mm (length) x 2134 mm (width)</p>			
<p>E. Laboratory Room Specifications</p> <p>1. The size of the Laboratory shall be at least 1.5m (width) x 1.8m (length) ± 5% tolerance.</p> <p>2. The room shall have the following:</p> <p>a. Working bench/table top with approximate dimension 1500mm (length) x 550 mm (width) x 850 (height), ± 5% tolerance. The benchtop shall be made of resin phenolic surface or equivalent waterproof, chemical proof, and scratch proof material. The lower section of the bench shall consist of at least 4 cabinets with at least 2 shelves and with doors with lock.</p> <p>b. Wall mounted overhead cabinets placed directly above the working bench. With approximate size of 1500mm (length) x 370mm (width) x 280mm (height) ± 5% tolerance divided into at least four cabinets with at least 1 shelf with lockable doors. The bottom side of the cabinet shall include an LED lighting fixtures to provide additional illumination of the working bench. Lavatory made of stainless steel with water faucet connected to clean water tank and with drainage system connected to the waste water</p>			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>tank. The water supply pipes and drainage pipes must be covered with a cabinet built stainless steel or PVC or ABS material.</p> <p>c. This room together with the ultrasound room, shall be fitted with an air-conditioning unit (ACU), at least 1.5 HP, split type, inverter technology, 220V, 60Hz. The ACU must be securely mounted on the Mini Bus body structure.</p> <p>d. At least 3 duplex type convenience outlets (10A, 220V, 60Hz) with grounding installed on the wall side of the working bench to provide power to the laboratory Equipment.</p> <p>e. The Laboratory Room shall contain the following laboratory equipment with the required technical specifications and other requirements shown in Section VIII:</p> <ol style="list-style-type: none"> i. Hematology Analyzer ii. Chemistry Analyzer iii. Binocular Microscope iv. Clinical Centrifuge v. Hematocrit Centrifuge vi. Pharmaceutical Refrigerator vii. Handheld Electrolyte Analyzer 			
F. Entrance and Hallway Specifications			
<ol style="list-style-type: none"> 1. The side door shall serve as the entrance way going to the Ultrasound/ECG room and Laboratory room. The entrance to the X-ray room is at the back door. 2. A bench with a dimension of 700mm (length) x 400mm (width) x 450mm (height), ± 5% tolerance shall serve as a waiting bench for the patients and may also be used for the blood collection shall be installed in the hall way. The bench shall be securely mounted on the floor. The bench (seat and backrest) shall be made of sturdy aluminum frame material and panels coated with white color paint or other lightweight, equivalent strength material such as fiberglass reinforced 			

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Brand:			
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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>plastics or plastic laminated. The seat and backrest must be fitted with mattress made of polyurethane foam covered with a washable leatherette material. The construction of the bench must be in such a way that the underneath can be used as a compartment.</p> <p>3. A digital clock with at least 4-inch display shall be mounted on the wall of the hall way. The vehicle shall also have a Fire Extinguisher which is well mounted.</p> <p>4. Must have a working table with the following dimension: 1050mm (length) x 500mm (width) x 700mm (height), ± 5% tolerance</p>			
<p>G. Clean Water Tank</p> <p>The Mobile Primary Care Facility (PCF) shall be installed with a refillable stainless steel 304 clean water tank at least 80 liters capacity and with a piping system to provide clean water to the lavatories. A water hose with a diameter of 1/2 inch and 20 meters length shall be provided to be used for filling up the tank with clean water. The size of the clean water tank shall be at least 1000mm (length) x 400mm (width) x 250mm (height), ± 5% tolerance</p>			
<p>H. Waste Water Tank</p> <p>The Mobile Primary Care Facility (PCF) shall be fitted with a stainless steel 304 waste water tank at least 100 liters capacity and with piping system for the drainage of used water from the lavatories. A drain hose at least 20 meters length with a quick release valve to serve as a means to drain the waste water from the tank shall be provided. The size of the waste water tank shall be at least 600mm (length) x 420mm (width) x 320mm (height), ± 5% tolerance</p>			
<p>I. Installation of Electrical Wirings and Devices</p> <p>The Mobile Primary Care Facility (PCF) shall be installed with the appropriate electrical wirings,</p>			

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Brand:			
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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
switches and circuit breakers for the supply of electrical power to the x-ray room, laboratory room, Ultrasound/ ECG room, air-conditioning units, ceiling lamps, and convenience outlets from the Generator Set and/or from an outside power source.			
J. Manual Transfer Switch A Manual Transfer Switch (at least 100 amperes, 230V) installed between the Generator Set connection and outside power source. The connection for the outside power source must be a retractable extension cord, 30 mm 2 stranded copper wire with grounding wire, at least 10 meters length, with heavy duty electrical plug.			
K. Electric Generator Set Generator Set Info Rated Frequency (Hz): 60 Hz Rated Voltage (V): 220V Rated Power: 9.0kW Max. Power: 10.0 KVA DC Output: 12V 8.3A Phase Number: Single Excitation Transistorized: Brush, exciting-self Power Factor: 1 Fuel Tank Capacity (L): 20 Engine No.: 195FD Starting Engine type: 4 strokes, OHV, Single cylinder Air-cooled Bore x Stroke (mm): 95*75 Displacement: 0.531L Compression ratio: 20:1 Rated Speed (rpm/min): 3600 ± 1% tolerance Rated Power[kw/(rpm/min)]: 10.5, 11.0 Engine Oil Tank (L): 1.65 Fuel consumption (g/kwh): ≤275 Fuel Type: 0# (Summer), -10# (Winter),-35#(Extremely cold) Diesel Engine Oil Brand: SAE10W30 or15W-40 or (CD grade above) Optional: ATS/REMOTE Package size (mm): 950 (length) x 550 (width) x 770 (height)			

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Brand:			
Total ABC: PhP830,000,000.00			
PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
Net/Gross Weight (kg): 170/175 ± 1% tolerance/Gross Weight (kg): 170/175 ± 1% tolerance			
L. Aircon: 1. Split type (1.5HP), inverter technology, 220V, 60Hz 2. Split type (1 HP), inverter technology, 220V, 60Hz			
M. Vehicle Sticker As per design in Annex D 1. Front: more or less 155W x 30H (cm) 2. Back (Body): more or less 100W x 94H (cm) 3. Back (Left Side): more or less 30W x 73H (cm) 4. Back (Right Side): more or less 30W x 73H (cm) 5. Side (Top): more or less 460W x 60H (cm) / 2pcs 6. Side (Body): more or less 410W x 170H (cm) / 2pcs 7. Side (Front): more or less 190W x 110H (cm) / 2pcs 8. Side (Front): more or less 30W x 30H (cm)/ 2pcs (DOH logo) 9. Color scheme Red - c14 m98 y100 k4 Blue - c100 m97 y6 k7 Yellow - c2 m16 y98 k0			
VII. Vehicle Specifications 1. Overall Dimensions (mm): at least 6,990 (length) x 2,080 (width) x 2,635 (height) ± 1% tolerance 2. Wheelbase (mm): 3,935 ± 1% tolerance 3. Minimum Ground Clearance (mm): 180 ± 2% tolerance 4. Seating Capacity: 2 (D&P) 5. Engine Transmission Engine Type: 4-cylinder, In-Line, 16-valve OHV, Gear drive			

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Brand:			
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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>Displacement (cc): minimum 4000 Max Output (PS/rpm): at least 130/2500 - 136/2500 Max Torque (Nm/rpm): 390/1400 Fuel Type: Diesel Fuel Tank Capacity (L): at least 90 Fuel Regulation Type: EURO 4 Transmission: 5-speed manual transmission</p> <p>6. Chassis Wheels: 17.5" Steel Spare Tire: Full Spare (Front) Brake Type: (Fr) Ventilated Disc, (Rr) Drum (w/ Auto Adjuster) Suspension: (Fr) Double Wishbone, (Rr) Leaf Spring</p> <p>7. Exterior Headlamps: Halogen Rear Combination Lamp: Halogen Cool Air Intake: Snorkel Type (with Pre Cleaner) Windshield Wiper: (Fr) Intermittent Center Door: Folding Auto Type Back Door: Double-Leafed Hinged Door</p> <p>8. Interior Seat Material: Fabric Inside Rearview Mirror: With Parking Brake: Lever</p> <p>9. Function Ignition System: Rotary Air-conditioning System: Manual Climate Control 12v Socket: 1</p> <p>10. Safety SRS Airbags: Driver side, Seatbelts: (D) 3pt. ELR Pretensioner + Force Limiter, (P) 3pt. ELR With Anti-Lock Brake System and with</p>			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
Brake Assist 11. Tools Manufacturer standard			
VIII. Medical Equipment Specifications A. (83 units) PORTABLE X-RAY SYSTEM WITH BUCKY STAND <ul style="list-style-type: none"> • Standard output power: ≥ 5kVA Maximum output power: $P=100\text{kV} \times 50\text{mA}=5\text{kW}$ Power capacity: ≥ 5kVA; Inner resistance $\leq 0.5\Omega$ Voltage range: Voltage: $AC220V \pm 22V$ • Tube current: 20-100mA • mAs range: 0.2-200mAs, shift adjustment • Exposure time: 0.01s-4s • Frequency: ≥ 40kHz • X-ray tube type Focal spot size: 1.8mm Anode heat capacity: 40KJ • Dimension: at least 290mm (length) x 260mm (width) x 230mm (height), $\pm 1\%$ tolerance • Weight: 18-20 kg Digital Flat Panel Detector <ul style="list-style-type: none"> • Technology: Amorphous Silicon • Scintillator: CsI • Active area (mm²): 427X427 • Pixel Pitch: at least 139μm • Pixel Matrix: 3072x3072 • Spatial Resolution: 3.6 Ip/mm • AD Conversion: 16 bit • Data Transmission: GiGE • Stable iSync + Automatic Exposure Detection • Preview Image Time: 3 • Full Image Time: 5 • Dimension: 460mm (Length) x 460mm (Width) x 15mm (height) • Weight: 4kg -5kg • Power Dissipation (W): 30 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>Environment Specification</p> <ul style="list-style-type: none"> • Operating Temperature (°C): 5~35° • Storage & Transport Temperature with package (°C): -10~55° • Operating Humidity (%RH): 30~80 (Non-Condensing) • Storage & Transport Humidity with package (%RH): 10~90 (Non-Condensing) <p>Bucky Stand</p> <ul style="list-style-type: none"> • Size: 1780mm (height) *650mm (length) *430mm (width), ± 1% tolerance • General Weight: 200kg to 205kg • Net Weight: 180KG -190kg <p>Digital Image Workstation</p> <ul style="list-style-type: none"> • CPU: Core i5 or better • Memory Capacity: 16gb or more • Hard disk: 500gb or better • System: 64 bits window operating system • With ink-jet printer 			
<p>B. (83 units) PORTABLE ULTRASOUND MACHINE</p> <p>General Features:</p> <ul style="list-style-type: none"> • Weighing not more than 5 kgs, comfortably pick and go. • Built-in battery, working time more than 2 hours, extending point of care to sites where power sources are unavailable. • Not only a professional ultrasound system, could also be a laptop computer upon request. • 15 inch LED display, as large as 175 degree viewing angle. • 8-segment TGC, precise adjustment of near/far gain. • 2 USB ports, connectivity of USB flash and laser printer • Discom 3.0 port, compatibility with 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>archives, PACS or serves</p> <ul style="list-style-type: none"> • Projector port, a must for lecturing or training • Probe variety: convex, micro-convex, endo-cavity/rectal, linear • Specialty: general, OB/GYN, vascular, cardiology, urinary, small organs, joint, muscle, etc. • Display mode; B, 2B, 4B, B/M, M • Imaging mode: 2D, free-hand 3D • Scanning depth: 250mm and depth could be increased, depend on the probes • Image/video format: AVI, JPG, BMP, PNG, TIF, DICOM <p>Technical Parameter:</p> <ul style="list-style-type: none"> • Display: Full Digital 15 inch LED Display, 3D Ultrasound • Platform: PC-Based • Beam Forming: DBF, RDA, DRA, DRF • DFS: Dynamic frequency scanning from 2.0 to 12.0MHz, 4 multi-frequency scanning • THI: Yes • Display mode: B, 2B, 4B, B/M, M • Resolution: 600 * 800 • Dynamic range: ≥ 100dB, 4 steps of switching functions <p>Image process technologies:</p> <ul style="list-style-type: none"> • Controllable frame correlation, Gamma correction, edge enhancement, image smoothing, image denoising, automatic gain adjustment, up/down, left/right and black/white conversation <p>Image magnification</p> <ul style="list-style-type: none"> • Step-less magnification, dynamic real-time PIP local zoom functions <p>Cine loop</p> <ul style="list-style-type: none"> • 512 frame auto/manual cine loop; multi 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>screens cine loop (4B, 9B); auto/manual cine loop under B/M and M mode</p> <p>Image management system</p> <ul style="list-style-type: none"> The functions of pigeonholing, browsing, comparing, saving, printing and transferring images; as many as hundreds of thousands of images and thousands of cine loop could be saved; saved images could be operated by full-screen browse under slide mode. <p>Measurement and calculation</p> <ul style="list-style-type: none"> Measure perimeter and area by distance or ellipse method; measure perimeter and area by track method; measure body surface area and volume by ellipse method. 4 measure sticks; rate measure; linear stenosis ratio, area stenosis ratio, angle measure. All calculations are automatic. <p>Assist tools</p> <ul style="list-style-type: none"> Puncture guide, histogram, sectional drawing. <p>Menu manage interface</p> <ul style="list-style-type: none"> Real time online support and navigation clew system, image fore-set and one-key optimization functions. <p>Body marks: Multi-tens</p> <p>Patient cases database system</p> <ul style="list-style-type: none"> All the data could be saved, searched and managed. Multiple kinds of OB. measurement reports, fetus physiological grades and reports and fetus growth curve. <p>Presetting Formulas</p> <ul style="list-style-type: none"> Presetting system for diagnosis and measurement formulas. Different formulas could be set according to different races. 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>Auto-measure software of OB., Gyn., small organs, cardiac, urology and others:</p> <ul style="list-style-type: none"> • OB.: BPD, CRL, GS, HA, AC, HC, FL, APAD, TAD, FTA, HUMERUS, OFD, THD, TIBIA, ULNA, AFI, LIMP, BBT, FBP • Gyn.: uterus diameter, intima thickness, ovary column, regnant ovarian follicle, length of cervix long-diameter, uterine. • Small organs: thyroid gland, hip joint. • Cardiac: AOD, LAD, IVSTd, LVIDd, AA, LAD/AOD, LVPWd, LVIDs, EF, EF SLP, CA/CE, MVCF, CO, CI, LVMWI, AVSV, FS, ACV, ET, SV, SI, LVMW, QMV. • Urology: remained urine sample, prostate, PSAD. • Patient cases database systems. All the data could be saved, searched and managed. • Multiple kinds of OB. measurement reports, fetus physiological grades and reports and fetus growth curve. • 3D Software: YES <p>Relative Extended ports:</p> <ul style="list-style-type: none"> • VGA, S-Video, TV video port • USB2.0 port, 2G saving card • RJ-45 network port extended ports • Multiple kinds of saving modes are all supported, containing soft disk, hard disk, flash disk, CF card, SD card and others. • Compatible of jet printer, laser printer, video printer and video recorder <p>Probes:</p> <ul style="list-style-type: none"> • 3.5MHz R60/R50 convex probe; multi-frequency from 2.0MHz to 5.0MHz • 7.5MHz L40 linear probe; multi-frequency from 5.0MHz to 10.0MHz • 6.5MHz R10/R13 transvaginal probe; multi-frequency from 5.0MHz to 8.0MHz • 3.5MHz R20 cardiac probe; multi- 			

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<p style="text-align: center;">frequency from 2.0MHz to 5.0MHz</p> <p>Accessories:</p> <ul style="list-style-type: none"> ● Mobile Trolley <ul style="list-style-type: none"> - Desktop: aviation aluminum, surface anode; With handle; Size 420 * 400mm; 830mm above the ground; Bearing capacity: atleast100kg; ± 1% tolerance - Column: aviation aluminum, surface anode; 700mm high, 50mm diameter: - Basket: iron wire impregnated with plastic, position adjustable: size: 320 * 200*120mm - Base: steel structure with plastic exterior decoration, with a diameter of 550mm; 5* 3 "silent wheel (two with brake) - Packaging: modular packaging; Net weight: 7.68kg; Gross weight: 9.5kg; Size:600*590*270mm; - Optional accessories: printer board, probe cup, cable hanger, caster can be replaced with 4-inch caster. The basket can be replaced with plastic basket; - Scope of application: portable color Doppler ultrasound, ECG, high frequency scalpel, small monitoring equipment, testing instruments and emergency tools 			
<p>C. (83 units) OPHTHALMOSCOPE</p> <ul style="list-style-type: none"> ● Rechargeable ● Illumination: Direct Illumination ● Luminance: 14 Lumen ● Power Handle: The clip type handle ● Color Temp: 3000k or 4000K ± 5% ● Color Rendering Index (CRI): LED bulb 90% ● Ear Tip Sizes: Dioptic Lenses and Apertures Type ● Weight: 129g ± 1% ● Battery: &116 Ni_Mh 2.4V 16000MA ● Bulb Electrical Parameter: LED: Model &206c, 3.0Vdc, 80mA 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p style="text-align: center;">XHL: Model &106F, 3.6Vdc, 350mA</p> <p>Accessories:</p> <ul style="list-style-type: none"> ● 19 kinds of dioptic lenses ● Fixation star ● Small circle ● Large circle spot ● Semi-circle spot ● Red-free filter 			
<p>D. (83 units) HEMATOLOGY ANALYZER</p> <p>General Features:</p> <ul style="list-style-type: none"> ● 3-part differentiation of WBC, 24 parameters, up to 60 samples test per hour ● Electrical resistance for counting and SFT method of Hemoglobin ● Low sample consumption: venous 9.8ul, prediluted 20ul for twice testing one time ● 8.4" inches color touch screen (windows interface all testing parameter displayed simultaneously) ● Windows operation system graphical buttons mouse and keyboard operation ● Automatic diluting, mixing, rinsing and clog clearing ● Automatically sample probe cleaning (inside and outside) ● Large storage capacity: up to 10,000 samples +3 histograms Internal thermal-sensitive printer or external printer. ● RS232 interface, PC connecting <p>Main Technical Specifications:</p> <ul style="list-style-type: none"> ● Methodology: Electrical resistance for counting, hemoglobin cyanide method and SFT method for hemoglobin ● Parameter: 3-part differentiation of WBC; 21 parameters and 3 color histograms (WBC, RBC, PLT) ● Work mode: double Channel + unique Hemoglobin test system ● Sample volume: 9.8μL for Venous and capillary mode, 20μL for prediluted mode 			

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Brand:																					
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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE																			
<ul style="list-style-type: none"> ● Throughput: More than 60 samples per hour, operatable 24 hours a day, auto sleeping and waking-up functions ● Storage: up to 100,000 sample results including histograms can be stored, convenient for inquiry and management of history data ● Operation language: English ● QC control: X-B, L-J, X, SD, CV% ● Reference Value Setting: Male, Female, Children, Neonate ● Input/output: RS232, parallel printer and keyboard ● Print: Graphic thermal printer with various printing format, optional external printer ● Temperature: 18°C -30°C, wet ≤10-90% ● Power supply: 220 V ±22 VAC, 50/60Hz ● Dimension: 33 CM (L)* 38 CM (W)* 43 CM (H) ± 1% tolerance ● Weight: 20 KG ± 1% tolerance ● Turnaround time: more or less 1 min <p>Precision:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th style="width: 30%;">Parameters</th> <th style="width: 35%;">Linear Range</th> <th style="width: 35%;">CV%</th> </tr> </thead> <tbody> <tr> <td>WBC (10⁹/L)</td> <td>0.0 - 99.9</td> <td>≤2%</td> </tr> <tr> <td>RBC (10¹²/L)</td> <td>0.0 - 99.9</td> <td>≤1.5%</td> </tr> <tr> <td>MCV (fL)</td> <td>4 - 150</td> <td>≤0.5%</td> </tr> <tr> <td>PLT (10⁹/L)</td> <td>0 - 999</td> <td>≤4.0%</td> </tr> <tr> <td>HGB (g/L)</td> <td>0.0 – 300.0</td> <td>≤1.5%</td> </tr> </tbody> </table> <p>Parameters:</p> <ul style="list-style-type: none"> ● WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR P-LCC ● 3-histograms: WBC, RBC and PLT 		Parameters	Linear Range	CV%	WBC (10 ⁹ /L)	0.0 - 99.9	≤2%	RBC (10 ¹² /L)	0.0 - 99.9	≤1.5%	MCV (fL)	4 - 150	≤0.5%	PLT (10 ⁹ /L)	0 - 999	≤4.0%	HGB (g/L)	0.0 – 300.0	≤1.5%		
Parameters	Linear Range	CV%																			
WBC (10 ⁹ /L)	0.0 - 99.9	≤2%																			
RBC (10 ¹² /L)	0.0 - 99.9	≤1.5%																			
MCV (fL)	4 - 150	≤0.5%																			
PLT (10 ⁹ /L)	0 - 999	≤4.0%																			
HGB (g/L)	0.0 – 300.0	≤1.5%																			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>E. (83 units) CHEMISTRY ANALYZER, FULL-AUTO</p> <p>Features:</p> <ul style="list-style-type: none"> ● Two test mode: Automatic washing and Disposable cuvette ● Open system, real time curve showing ● LED lamp, ≥ 10000 hour for long life ● 7 inch Color LCD, touch screen ● Memory for 10,000 sample results ● RS232 interface, PC connecting ● Probe with anti-collision function, liquid level detection ● High pressure water flush interior the probe <p>Specifications:</p> <ul style="list-style-type: none"> ● Test Mode: Kinetic, End-point, Fixed-time, Turbidimetry, Absorbance ● Sample positions: 24 +5 (Using original tube) ● Calibration position: 1 ● QC position: 1 ● ST position: 1 ● Reagent positions: 54 (27 for 6mL; 27 for 24mL) ● Cuvettes position: 81 can be reusable ● Sample volume: 2~30 uL, 0.1ul increasing ● Reagent volume: 20~350 uL, 0.1ul increasing ● Test speed: 120 tests/hour ● Wavelength: 8 Wavelength, 340, 405,450, 510, 546, 578, 630,700 nm 0-4.000 Abs ● Absorbance precision: inside 0.00001 Abs ● Repeatability CV: < 1% ● Carry-over: < 1.1% ● Water consumption: 5L/H Automatic washing mode; 2.5L/H for disposable cuvette mode ● Quality control curve: X, SD, CV%, L-J 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>quality control curve for every test item</p> <ul style="list-style-type: none"> ● Printer: Internal thermal sensitive printer ● Interface: RS-232 ● Work Environment: Temperature 10°C ~ 30°C, Humidity: ≤85% ● Power supply: 100~240VAC, 50/60Hz, 100VA ● Storage: at least 8gb ● Turnaround time: 20 seconds or less <p>Usual test list</p> <ul style="list-style-type: none"> ● Liver function: ALT AST ALP T-BIL D-BIL TP ALB CHE Nh3 ● Renal function: BUN CRE UA URE y-GT ● Lipids: T-CHO TG HDL-C LDL-C ● Cardiac function: CK CK-MB LDH ● Others: GLU AMS Anti-CCP ASO CRP D-Dimer HbA1c RF SAA ● B2M Cys-C LP(a) mAlb MB NGAL RBP 			
<p>F. (83 units) CLINICAL CENTRIFUGE, 12 PLACER</p> <p>Technical Parameter:</p> <ul style="list-style-type: none"> ● Capacity: 12-placer ● Power Supply Input: ACC 220V, 50/60Hz ● Max Speed: 4000r/min ● Max RCF: 1880xg ● Max Capacity: 120ml ● Speed Accuracy: ±20r/min ● Time Range: 0: 99min ● Noise: ≤5dB ● Dimension: 283mm (length) × 220mm (width) × 265mm (height), ± 1% tolerance ● Weight: 6kg ± 1% tolerance ● Turnaround time: 1 min or less <p>Standard Features:</p> <ul style="list-style-type: none"> ● Brushless motor ● 4,000 RPM 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<ul style="list-style-type: none"> • Angle motor • Microprocessor control system • Digital display of speed • RCF and time • Overspeed protection • Can set speed • RCF start • Can change the parameters during centrifuge running to achieve the best centrifugation effect • Self-balance 			
<p>G. (83 units) HEMATOCRIT CENTRIFUGE</p> <p>Technical Parameter:</p> <ul style="list-style-type: none"> • Capacity: 24 placer • Power Supply Input: 220 - 240 VAC, 60 Hz • Speed Range 500 to 12,000 rpm • Increment: 100rpm • Max RCF: 13,680 x g • Speed Accuracy: +100 • Run Time: 30sec-99min/Continuous • Motor: Brushless DC motor • Display: LCD • Safety Devices: Door interlock, Overspeed detector; Automatic internal diagnosis, Automatic rotor identification • Acceleration/Braking time: 40s↑ 40s↓ • Power Requirements: Single-phase, 200V-240V,50Hz/60Hz, 5A; 100V-120V, 50Hz/60Hz, 5A 160W • Dimension (W x D x H): 280 × 364 x 213mm, ± 1% tolerance • Weight: 8.5kg • Certification: CE cTÜVus FCC MCA <p>Standard Features:</p> <ul style="list-style-type: none"> • Motor Type: Brushless • Speed range of 500-12000 rpm 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<ul style="list-style-type: none"> • Precise and independent control of speed and time • Easy operation with intuitive menu and LCD display • Pulse operation for fast and convenient quick spins • Advance features include speed/RCF switch; short-time run function; audible alert function • Safety features include door interlock, overspeed detector; over-temperature detector; automatic internal diagnosis and automatic rotor identification • Door interlock • Advanced features: Speed/RCF switch; Short-time run function; sound-alert function 			
<p>H. (83 units) BINOCULAR MICROSCOPE Standard Features:</p> <ul style="list-style-type: none"> • Viewing Head: Sliding Binocular Head, Inclined at 45° • Eyepiece: Wide Field Eyepiece WF10X WF16 • Objective: Achromatic Objectives 4X 10X 40Xs 100Xs (oil) • Condenser: Abbe Condenser NA1.25 with Diaphragm, Filter • Nosepiece: Quadruple Nosepiece • Focusing System: Coaxial Coarse and Fine Adjustment, Moving Range 30mm • Stage: Double Layer Mechanical Stage 140x140mm, Moving Range 75mmx45mm • Illumination: 6V/20W Halogen Lamp, Brightness Adjustment • Product single size: 32x27x43cm, ± 1% tolerance 			
<p>I. (83 units) REAGENT REFRIGERATOR Technical Specifications:</p> <ul style="list-style-type: none"> • Volume: 90L • Inner Temperature: 2~8 °C • Voltage: 220V/50Hz 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<ul style="list-style-type: none"> • Power Consumption: 2.8kW/h24h • Input Power: 100W • Electric Shock: I/B • Climate Type: N • Alarms Type: Sound/Light • Optional Functions: Recorder/ Printer/ SMS • Refrigerant: R600a • Net Weight: 40kg • Chamber: 3 • Product Dimension: 490 x 490 x 1240 mm (D x W x H), ± 1% tolerance • Package Dimension: 580 X 580 X 1350mm <p>Humanized Design:</p> <ul style="list-style-type: none"> • High quality steel wire dip adjustable shelf • Outdoor anti-condensation technology • Large screen digital display • Safety door lock design • Suitable for wide voltage band of 187-242V • Transparent vacuum tempered glass door • Energy saving lighting in the cabinet <p>Safe Control System:</p> <ul style="list-style-type: none"> • Keyboard lock and password protection • System failure alarm sound and point code display (high temperature/low temperature/sensor failure) • Delayed start self-check at start up and shutdown interval protection • Sensor failure, digital disorder, safe and automatic running program • Power-off memory function <p>Accurate Temperature Control System:</p> <ul style="list-style-type: none"> • High resolution temperature calibration function, proofreading in 0.1°C increments 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<ul style="list-style-type: none"> • Intelligent control of fan strong refrigeration gas circulation. • Display accuracy of 0.1 °C, precise box temperature of 2~8°C. 			
<p>J. (83 units) HANDHELD ELECTROLYTE ANALYZER</p> <p>Electrolyte Analyzer</p> <ul style="list-style-type: none"> • Maintenance-free: No fluid pipe inside the device, no reagent pack required • Easy to use: Convenient bedside testing with whole blood • Fast Lab-quality results: Provides accurate results in approximately 5 minutes, auto-calibration before each test • Portable: Size: 240mm (length) × 120 mm (width) × 110 mm (height) +1% tolerance • Weight: 1.5 ± 0.2 kg (including battery) • Including ionized magnesium (iMg²⁺): Used for hypomagnesemia and hypermagnesemia monitoring <p>Electrolyte Cartridge</p> <ul style="list-style-type: none"> • 5 in 1 cartridge: Concurrently tests 5 parameters: K⁺, Na⁺, Cl⁻, iCa²⁺ and iMg²⁺, addressing more comprehensive clinical needs • No risk of sample contamination: Dry chemistry method, single-use cartridge eliminates the risk of contamination <p>Performance</p> <ul style="list-style-type: none"> • Potassium (K⁺): Even small changes in extracellular K⁺ concentration will have significant effects on the transmembrane potential gradient, and thereby the function of neuromuscular and cardiac tissues. • Sodium (Na⁺): As the most abundant extracellular fluid solute, Na⁺ is the major determinant of its osmolality and thereby the principal determinant of water 			

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	
<p>distribution between the intracellular and extracellular compartments. This highlights the role of Na⁺ in the maintenance of blood volume and thereby blood pressure.</p> <ul style="list-style-type: none"> • Chloride (Cl⁻): As the second most abundant extracellular fluid ion after Na⁺, and the most abundant extracellular fluid anion, Cl⁻ is essential for the maintenance of normal plasma osmolarity • Ionized Calcium (iCa²⁺): The maintenance of iCa²⁺ within normal limits is not only important for the structural integrity of bones but for a range of physiological functions, including: hemostasis, cardiac and skeletal muscle cell contraction, neuromuscular transmission and action of many hormones (calcium-signaling). • Ionized magnesium (iMg²⁺): iMg²⁺ relates to the stabilization of intracellular potassium, which ensures the normal functionality of myocardium, nerve and muscle. <p>Application</p> <ul style="list-style-type: none"> • Emergency Department: Monitoring of electrolytes in critically ill patients with poisoning, coma and convulsions • Anesthesiology Department: Monitoring of electrolytes during surgical anesthesia (preoperative, intraoperative and postoperative) • Nephrology Department: Monitoring of electrolytes for patients in dialysis ward • ICU: Monitoring of electrolytes in critically ill patients • Dermatology Department: Monitoring of electrolytes in patients with severe trauma, burn and scald • Primary Medical Institution: 			

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<p>Electrolytes test</p> <ul style="list-style-type: none"> • Surgery: Monitoring of electrolytes during operation • Gastroenterology Department: Monitoring of electrolytes in patients with diarrhea and vomiting accompanied by coma 			
<p>K. (83 units) EXAMINATION LIGHT</p> <p>Product Description</p> <ul style="list-style-type: none"> • A light used during examinations or treatment of the patient. It is usually used during examination or treatment during minor events Designed to be easily moved from one location to another. Arm: 105 +/- cm articulated, spring loaded arm, arm with on/off switch and incorporated electronically transformer. • Medical Light to be proposed as basic equipment in health structures, it can be used for medical and gynaecological examination and minor operation. One of the advantages of a LED examination lamp is its compactness. It can be placed in front of the operator without obstructing sight. <p>Main Technical Data</p> <ul style="list-style-type: none"> • Illuminance: 30,000Lux 0.5m/5,000Lux 1m • Color temperature: 4800±200K • Adjust: Adjust light • Total irradiance: 380W/ • Size of light field: 100mm ± 1% tolerance • Rated power of bulb: 3.3/3W • Power supply voltage: 220V/50Hz • Bulb: LED bulb 			
<p>L. (83 pieces) STETHOSCOPE, ADULT</p> <p>Standard Features:</p> <ul style="list-style-type: none"> • Applications: Physical assessment and diagnosis • Chest piece material: Stainless steel • Chest piece type: Double sided 			

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<ul style="list-style-type: none"> ● Chest piece weight: 97g ● Diaphragm diameter: 4.55cm ● Chest piece (small side) Diameter: 3.5cm ● Diaphragm material: Epoxy / Fiberglass ● Diaphragm type: Tunable diaphragm ● Y-tube material: PVC ● Y-tube length: 60 cm ● Whole length: 77 cm ● Binaural material: Stainless steel ● Binaural weight: 33g ● Ear tip type: Soft / Hard sealing 			
<p>M. (83 sets) TELEMEDICINE WITH BAG</p> <p>Excellence Performance</p> <ul style="list-style-type: none"> ● Outstanding performance, easy to use. ● Provide accurate and stable basic parameters and measurement of test. <p>Super Storage</p> <ul style="list-style-type: none"> ● Fully support patient's health ● Management terminal mass storage <p>Long Standby</p> <ul style="list-style-type: none"> ● Long battery for 8 hours working <p>Easy to Use</p> <ul style="list-style-type: none"> ● A good helper for medical staff. ● Novice medical staff can also quickly master the using of method. <p>Reliable and durable</p> <ul style="list-style-type: none"> ● Adapt to changeable application environment. ● The product is sturdy and durable. <p>Data's Transmission</p> <ul style="list-style-type: none"> ● Multiple data's handling method. ● Remote wireless transmission methods. <p>Telemedicine Monitor:</p> <ul style="list-style-type: none"> ● 10.1-inch touch screen ● New design and stable for placing ● New software and more functions ● Fast Test and Easy to Use 			

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<ul style="list-style-type: none"> • Real-time data exchange • Superior accurate test result • Rechargeable lithium battery backup for 5 hours <p>Standard Configuration:</p> <ul style="list-style-type: none"> • 12 lead ECG • NIBP • Infrared forehead TEMP • SPO2 • HR/PR • Backpack <p>Specifications:</p> <ul style="list-style-type: none"> • Electric shock protection: Class II, Internal powered equipment • EMC: Group 1, Class A • Degree of protection against electrical shock: ECG, SpO2, NIBP: Defibrillation-proof Type CF applied part. TEMP: Type BF applied part • Degree of protection against liquid: IPX1 (Protected against vertically falling water drops. Vertically falling drops shall have no harmful effects.) • Operation mode: Continuous • Product life: 5 years • Main unit dimension: 263 mm (L) ×230 mm (W) ×410 mm (H) • Display screen: 10.1 inch color TFT display, Touch-screen, Resolution: 1280×800 • Main unit net weight: ≤2kg <p>ECG parameter</p> <ul style="list-style-type: none"> • Lead type: IEC 12-lead • Waveform 12-channel waveforms • Display sensitivity 2.5mm/mV(×0.25), 5mm/mV(×0.5), 10mm/mV(×1), 20mm/mV(×2), Auto • Waveform sweep speed: 5mm/s, 6.25mm/s, 10 mm/s, 12.5 mm/s, 25mm/s, 50mm/s • Common mode rejection ratio: >100dB • Input signal range: ±5mV (peak-to-peak value) • Electrode offset potential tolerance: ±500mV • Time constant: ≥.2seconds • Calibration signal: 1mV (peak-to-peak value), 			

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<p>accuracy $\pm 5\%$</p> <ul style="list-style-type: none"> • System noise: $<30\mu\text{V}$ (peak-to-peak value) <p>HR</p> <ul style="list-style-type: none"> • Measuring range: Adult: 15bpm to 300bpm Pediatric: 15bpm to 350bpm • Measuring accuracy: $\pm 1\%$ or $\pm 1\text{bpm}$ (whichever is greater) • Resolution: 1bpm <p>SpO2 Sensor</p> <ul style="list-style-type: none"> • Range: 0% to 100% • Resolution: 1% • Accuracy: Adult, Pediatric; 70% to 100%: $\pm 2\%$; 0% to 69%: Undefined • Wavelength range: $660\pm 3\text{nm}$ to $905\pm 5\text{nm}$ • Emitted light energy: $\leq 15\text{mW}$ • Type: Finger clip <p>NIBP</p> <ul style="list-style-type: none"> • Measurement methods: Oscillometric method • Measurement parameters: systolic, diastolic, mean and PR • Cuff pressure measuring range: 0 to 297mmHg • Pressure accuracy: 1mmHg • Max. mean error: $\pm 5\text{mmHg}$ • Max. standard deviation: 8mmHg • Maximum cuff pressure: 300mmHg TEMP • Measurement method: Thermal resistance • Mode of operation: Direct mode • Measuring range: 35°C to 45°C • Resolution: 0.1°C • Accuracy (with sensor): $\pm 0.2^\circ\text{C}$ • Refresh time: 1 to 2 sec • Adult: Systolic pressure: 40 to 255mmHg Diastolic pressure: 10 to 195mmHg Mean pressure: 20 to 215mmHg • Pediatric Systolic pressure: 40 to 200mmHg Diastolic pressure: 10 to 150mmHg Mean pressure: 20 to 165mmHg <p>Power Supply</p> <ul style="list-style-type: none"> • Internal power: Rechargeable lithium-ion battery, 			

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<p>3.8VDC.</p> <ul style="list-style-type: none"> ● Capacity: 3.8V, 12000mAh ● Working time: More than 5 hours (when powered by a new fully-charged battery in environment temperature 25°C). ● Charge time: Less than 4 hours to 90%. Less than 4.5 hours to 100%. ● Shutdown delay: at least 5 min (after a low battery alarm first occurs) ● Outside power supply: the device could be powered by adapter which meets safety requirements of IEC 60601-1 standard. ● Specification: input: 100V-240V, a.c., 50Hz/60Hz; output: d.c., 5.0V/0-4A <p>Storage and Transportation conditions</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 30%;">Storage and Transportation condition</th> <th style="width: 50%;">Operational condition</th> </tr> </thead> <tbody> <tr> <td>Temperature</td> <td style="text-align: center;">-20°C~+55°C</td> <td style="text-align: center;">0°C~+40°C</td> </tr> <tr> <td>Relative Humidity</td> <td style="text-align: center;">15%-95% (non-condensing)</td> <td style="text-align: center;">15%-85% (non-condensing)</td> </tr> <tr> <td>Atmospheric temperature</td> <td style="text-align: center;">700 to 1060hpa</td> <td style="text-align: center;">860 to 1060hpa</td> </tr> </tbody> </table> <p>Working Rationale</p> <p>1. ECG monitoring</p> <p>The bioelectrical changes of the heart itself are reflected on the surface of the body through the conductive tissues and body fluids around the heart, so that regular electrical changes occur in all parts of the body in each cardiac cycle. The electrocardiogram is a technique that records the changes of electrocardiogram from the body surface in each cardiac cycle. The electrodes are placed on a certain part of the human body surface. By detecting the changes of the electrocardiogram potential at this point, the electrocardiogram curves of the changes of the cardiac potential can be transformed into the electrocardiogram curves, as well as heart beat rate.</p>			Storage and Transportation condition	Operational condition	Temperature	-20°C~+55°C	0°C~+40°C	Relative Humidity	15%-95% (non-condensing)	15%-85% (non-condensing)	Atmospheric temperature	700 to 1060hpa	860 to 1060hpa		
	Storage and Transportation condition	Operational condition													
Temperature	-20°C~+55°C	0°C~+40°C													
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<p>2. SPO2 monitoring Bill-Lambert's Law is the mainstream technology of non-invasive oxygen measurement. Pulse oximeters calculate the Optical Modulation Ratio ('R') as $(AD/DC)600/(AC/DC)880.905.940$, where '660'; '880'; '905' and '940' subscripts represent the optical LED Peak wavelengths in nanometers. An empirically determined calibration curve allows the oximeter to derive the displayed SpO2 from the observed R curve values, as well as pulse rate.</p> <p>3. Blood Pressure monitoring Oscillometric methods, it can automatically complete the inflation, deflation and measurement, which can measure systolic and diastolic blood pressure as well as the pulse rate of patient.</p> <p>4. Temperature monitoring The resistance value of thermistor varies with temperature, and shows obvious regularity. When the resistance value of thermistor varies, the voltage of the measuring circuit also varies. After the change is converted into digital signal by AD, the temperature of the target.</p> <p>Intended Use</p> <ul style="list-style-type: none"> • The product is suitable for measuring and recording the physiological parameters such as electrocardiogram (ECG), heart rate (HR), pulse oximetry (SpO2), pulse rate (PR) of adults, and body temperature (TEMP), non-invasive blood pressure (NIBP) of adults and pediatrics. The optional external equipment such as infrared thermometer, semi-automatic urine analyzer, blood glucose/uric acid analyzer, white blood cell analyzer, hemoglobin analyzer, blood lipid analyzer, specific protein analyzer can be integrated into HES, and in addition, the 			

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<p>measurements can be displayed, reviewed, stored, transmitted, and printed.</p> <ul style="list-style-type: none"> ● The device is intended to be used in institutions or healthcare facilities with health care capabilities, such as outpatient clinics, emergency rooms, medical wards, clinics, care facilities, and other general departments. The device is not intended for intensive care, transfer, and home use, it cannot be used in OR and ICU. The device is intended to be used by physicians and trained healthcare professionals. <p>Intended Population</p> <ul style="list-style-type: none"> ● Adult and child <p>Environment</p> <ul style="list-style-type: none"> ● Hospital or healthcare environment <p>Prescription</p> <ul style="list-style-type: none"> ● Prescribed device <p>Contraindication</p> <ul style="list-style-type: none"> ● None <p>Compositions</p> <ul style="list-style-type: none"> ● The multi-parameters examination monitor consists of main unit and accessories which contains ECG lead wires, ECG electrodes, SpO2 sensor, NIBP cuff and extend tube, temperature probe, and adapter. <p>With Attachable Functions</p> <ul style="list-style-type: none"> ● The Telemedicine have the function as the displaying media for other medical devices such as: <ol style="list-style-type: none"> 1. Infrared thermometer 2. Semi-automatic urine analyzer 3. Blood glucose/uric acid analyzer 4. White blood cell analyzer 5. Hemoglobin analysis Instrument 6. Specific protein analyzer 7. Blood Lipids analyzer 			

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<p>Telemedicine Peripherals</p> <ol style="list-style-type: none"> 1. 12 lead ECG 2. NIBP Cuff 3. Fingertip SPO2 4. Infrared forehead TEMP <ul style="list-style-type: none"> ● Beep alarm ● LCD backlight ● Unit switchable ● 20 Memories ● 1s fast reading ● Non-contact infrared 5. Thermal Printer <p>Specification:</p> <ul style="list-style-type: none"> ● Outline dimension: 80mm (length) x 46mm (height) x 123mm (width) ± 1% tolerance ● Very silent printing thru direct thermal printing method ● High speed (60mm/sec, MAX) ● High resolution (203dpi: 8dots/mm) ● USB / Blue-tooth /Serial RS-232C ● Paper width (58mm) ● Support text and graphic printing ● Easy paper loading ● Life of printing head (50km) ● Charger Input AC 100~240V, 1.0A; Output DC8.4V,1.2A ● Li-ion Battery (DC7.4, 1200mAh) 6. Spirometer <p>Specifications:</p> <ul style="list-style-type: none"> ● Battery: 3.7V-300mAh Rechargeable Li-Po ● Operational Current: 100mA ● Charging Method: USB Charging ● Battery life with 1 full charge: 6 days (3 uses per day) ● Battery life when IDLE: 30 days ● Display: 1.44" TFT LCD display ● Spirometer Measurements 3.7V 			

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<p>a. PEF (Peak Expiratory Flow) Range 66-999 L/min, with 1 L/min interval;</p> <p>b. FEV1(Forced Expiratory Volume in first second) Range 0.01-9.99 L, with 0.01 L interval;</p> <p>c. FVC (Forced Vital Capacity) Range 0.01-9.99 L, with 0.01 L interval</p> <p>7. Stethoscope, Adult or child</p> <p>8. Digital Weighing Scale</p> <p>Specification:</p> <ul style="list-style-type: none"> ● Size: 280mm (length) * 280mm (width) * 24mm (depth) ± 1% tolerance ● Capacity: 11-396lb/5-180kg ± 1% tolerance ● Batteries: 3*1.5 VAAA ● Division: 0.2lb/0.1kg ● Unit: lb/kg (Switch the unit by Setting>My information>Unit) <p>9. Laser Printer</p> <p>Features</p> <ul style="list-style-type: none"> ● Wifi one step installation and direct printing ● Compact and sleek design ● Office document direct print form mobile devices ● Fast print speed ● Wi-fi connectivity and mobile printing ● Convenient one step installation <p>Specifications</p> <p>Printing:</p> <ul style="list-style-type: none"> ● Printing technology: Electrophotographic monochrome laser 			

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<ul style="list-style-type: none"> ● Print speed: 22 ppm (A4)/23 ppm (Letter) ● First print out time: Less than 7.8s ● Maximum monthly volume: 15,000 pages ● Recommended monthly volume: 700 pages ● Resolution(dpi): Max. 1,200×1,200 ● Printer language: Gdi ● Duplex mode: Manual Paper handling: <ul style="list-style-type: none"> ● Paper input: 150 pages ● Paper output: 100 pages ● Media weight: 60~163g/m² ● Paper output: Plain, Thick, Transparency, Cardstock, Label, Envelope, Thin ● Media size: A4, A5, A6, JIS B5, ISO B5, B6, Letter, Legal, Executive, Statement, Monarch envelope, DL envelope, C5 envelope, C6 envelope, NO.10 envelope, Japanese postcard, Folio, Officio, Big 16k, 32k, 16k, Big 32k, ZL, Yougata4, Postcard, Younaga3, Nagagata3, Yougata2 General: <ul style="list-style-type: none"> ● General dimensions: (W x D x H): 337 x 220 x 178 mm (13.27" x 8.66" x 7.01") ● Weight (with cartridge): 4.75kg (10.47lbs) ● Recommended environment: Temperature range: 10-32°C (50°F-90°F) Humidity range: 20%-80% ● Power: 220V Model: AC220~240V (-15%,+10%), 50Hz/60Hz; 3A ● Noise: Printing: 52 dB 			

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<p>Standby: 30 dB</p> <ul style="list-style-type: none"> • Power consumption: <ul style="list-style-type: none"> Printing: Average 370W Ready: 38W Sleep Mode: Less than 2W • Operating system compatibility <ul style="list-style-type: none"> Windows Server2003/ 2008/ 2012/ XP/ Vista/Win 7/ Win 8/Win8.1 / Win10 (32/64 Bit); Mac OS 10.7~10.13; Linux: Ubuntu 12.04/14.04 (32/64 Bit) • Mobile operating system compatibility <ul style="list-style-type: none"> iOS 7.0 and above; Android 4.4 and above • Connectivity <ul style="list-style-type: none"> Hi-Speed USB 2.0; WiFi: IEEE 802.11b/g/n Hi-Speed USB 2.0 • Processor speed <ul style="list-style-type: none"> 600MHz • Memory <ul style="list-style-type: none"> 128MB • Energy efficiency <ul style="list-style-type: none"> ENERGY STAR® certified <p>10. Urine Analyzer</p> <ul style="list-style-type: none"> • Back light display • One-button operation • Bluetooth • 8hrs standby • External Printer • Big storage 1000 group test data <p>11. White Blood Cell Analyzer</p> <p>Features:</p> <ul style="list-style-type: none"> • Easy operation • Microfluid chip zero pollution • Lab quality accuracy • Convenient portability • Rapid test • Precise identification • Ultra-portable 			

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<p>Specifications:</p> <ul style="list-style-type: none"> • Sample dosage: 10ul • Inspection time: \leqmin • Comparability of device: deviation WBC \leq5% • Repeatability: precision \leq.0% • Gross Weight/N.W.: 3.2kg/2.7kg • Disposable Consumable: Means no washing/ recycling to avoid contamination and sampling accuracy issues • Work environment temperature: 0°~ 40°C • Dimension: 321mm (length) x 300mm (width) x 230mm (height) \pm 1% tolerance <p>12. Hemoglobin Analyzer</p> <ul style="list-style-type: none"> • 7ul blood • Microfluid chip • 3 seconds • CV 1.5% • 2000 test results • Built-in-battery <p>13. Dry Biochemical Analyzer</p> <p>Specification:</p> <ul style="list-style-type: none"> • Detection time: \leqmins • Turnaround time: more or less 3 mins • CV: \leq0% • Sample type: Serum, whole blood, plasma • Sample volume: 45μL • Power supply Adapter input: AC100~240V,50/60Hz,30VA; output5V,2A • Built-in Lithium battery: DC3.7\pm0.3V • Measurement: 157.5mm (length) * 145.7mm (width) * 64.6mm (height) • Weight: 622g • Data storage: 3000 results • Display: 4.3' touch screen • Storage environment Temp:-20 °C~60 			

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PURCHASER'S SPECIFICATION	STATEMENT OF COMPLIANCE																												
<p style="text-align: center;">°C;Rh:10% ~ 90%</p> <ul style="list-style-type: none"> • Operation environment Temp:15°C ~35°C;Rh: ≤85% <p>Features:</p> <ul style="list-style-type: none"> • High precision • Disposable consumable • 3min • Constant temperature and humidity • Optional printer <p>Test Items:</p> <ul style="list-style-type: none"> • Lipids + Glucose: TC, TG, HDL-C, LDL-C, Glu • Kidney Function: UREA, CRE, UA • Liver Function: ALB, ALT, AST • Screening for Metabolic Diseases: TC, UA, GLU • Screening of Blood Donors: Hb, ALT Sample dosage: less than 60µl Repeatability: CV less than 2% • Accuracy or comparability less than less than ±3% • Power: 5V/3A power adapter, built-in lithium battery <p>Optional configuration as below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: left;">Lipids + Glucose</th> </tr> </thead> <tbody> <tr> <td style="width: 15%;">Measurement</td> <td style="width: 15%;">TC</td> <td style="width: 20%;">2.59~12.9 3 mmol/L</td> <td style="width: 50%;">Sample: Serum, whole blood, plasma</td> </tr> <tr> <td></td> <td>TG</td> <td>0.51~7.34 mmol/L</td> <td>Sample Volume: 45µL</td> </tr> <tr> <td></td> <td>HDL-C</td> <td>0.39~2.59 mmol/L</td> <td>Testing time: 3 mins</td> </tr> <tr> <td></td> <td>GLU</td> <td>2.0~18.0 mmol/L</td> <td></td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: left;">Screening of blood donors</th> </tr> </thead> <tbody> <tr> <td style="width: 15%;">Measurement</td> <td style="width: 15%;">Hb</td> <td style="width: 20%;">45~256g/ L</td> <td style="width: 50%;">Sample: Serum, whole blood, plasma</td> </tr> </tbody> </table>	Lipids + Glucose				Measurement	TC	2.59~12.9 3 mmol/L	Sample: Serum, whole blood, plasma		TG	0.51~7.34 mmol/L	Sample Volume: 45µL		HDL-C	0.39~2.59 mmol/L	Testing time: 3 mins		GLU	2.0~18.0 mmol/L		Screening of blood donors				Measurement	Hb	45~256g/ L	Sample: Serum, whole blood, plasma	
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Lot No. 1	Supply, Delivery, Testing and Commissioning of Brand New Mobile Primary Care Facility (PCF)	Quantity / Unit	83 units
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Name of Manufacturer:	Country of Origin:
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Brand:	
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Total ABC: PhP830,000,000.00	
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PURCHASER'S SPECIFICATION	STATEMENT OF COMPLIANCE
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	ALT	100~800 U/L	Sample Volume: 45µL Testing time: 2 mins
Screening for Metabolic diseases			
Measurement	TC	2.59~12.9 3 mmol/L	Sample: Serum, whole blood, plasma
	UA	120~1200 mmol/L	Sample Volume: 45µL
	GLU	2~18 mmol/L	Testing time: 3 mins
Liver Function			
Measurement	ALB	10~60 g/L	Sample: Serum, whole blood, plasma
	ALT	10~800 U/L	Sample Volume: 45µL
	AST	10~800 U/L	Testing time: 3 mins
	AST/A LT		
Kidney Function			
Measurement	Urea	2.5~40 mmol/L	Sample: Serum, whole blood, plasma
	Cre	30~1000 µmol/L	Sample: Serum, whole blood, plasma
	UA	120~1200 µmol/L	Testing time: 3 mins
	Urea/ Cre		

14. Immunofluorescence Analyzer

Features:

- High precision
- Disposable consumable
- 3min
- Ultra-portable
- Optional printer

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PURCHASER'S SPECIFICATION	STATEMENT OF COMPLIANCE
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<p>Test parameters:</p> <ul style="list-style-type: none"> -COVID-19 Neutralizing Antibody CRP+SAA -CRP(full range); PCT -NT-proBNP -HbA1c; Ferritin; D-Dimer; 25-OH-VD <ul style="list-style-type: none"> • Instrument automatically self-calibration when power-on • Bluetooth transmission is supported • Rechargeable polymer lithium battery • Support external thermal printer (printer is not included). <p>Specification:</p> <ul style="list-style-type: none"> • Weight: G.W. 0.8KG N.W.0.75KG • Dimension: 95.6mm (width) * 96mm (height) * 183.5mm (length) ± 1% tolerance • Built-in Lithium battery: DC3.7 ± 0.3V • Display: 4.3' touch screen • Data storage: 2000 results • Work (Operation) environment Temp: 15°C~35°C; Rh: ≤85% • Turn-around time (Detection time): ≤5min <p>Power Supply Unit: Power supply Adapter input: AC100~240V, 50/60Hz, 30VA; output5V, 2A</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th colspan="2" style="text-align: left;">Inflammation</th> </tr> <tr> <td style="width: 20%;">CRP</td> <td>Measurement: 0.5~150 mg/L Sample: Serum, whole blood, plasma Sample Volume: 10µL Reaction time: 3 mins</td> </tr> <tr> <td>CRP/SAA</td> <td>Measurement: CRP 5~150 mg/L SAA 5-150 mg/L Sample: Serum, whole blood, plasma Sample Volume: 10µL Reaction time: 5 mins</td> </tr> <tr> <td>PCT</td> <td>Measurement: 0.1~50 ng/mL Sample: Serum, plasma, whole</td> </tr> </table>	Inflammation		CRP	Measurement: 0.5~150 mg/L Sample: Serum, whole blood, plasma Sample Volume: 10µL Reaction time: 3 mins	CRP/SAA	Measurement: CRP 5~150 mg/L SAA 5-150 mg/L Sample: Serum, whole blood, plasma Sample Volume: 10µL Reaction time: 5 mins	PCT	Measurement: 0.1~50 ng/mL Sample: Serum, plasma, whole	
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PURCHASER'S SPECIFICATION	STATEMENT OF COMPLIANCE																																											
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B. Additional Requirements to be attached to Technical Specifications form arranged, numbered and tabbed as enumerated below:

1. Mobile Primary Care Facility (PCF) proposed floor layout with dimensions.
2. Mobile Primary Care Facility (PCF) layout showing the placing of the equipment, air conditioning units, benches, clean water tank, waste water tank, transfer switch, and

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PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE	

generator set.

3. Product brochure(s) or technical data sheet(s) in Hard and Soft copies showing the technical specifications of the following in English language:
 - a) Mini Bus
 - b) Portable X-Ray Machine
 - c) Ultrasound Machine
 - d) Hematology Analyzer
 - e) Chemistry Analyzer
 - f) Binocular Microscope
 - g) Clinical Centrifuge
 - h) Hematocrit Centrifuge
 - i) Reagent Refrigerator
 - j) Handheld Electrolyte Analyzer
 - k) Ophthalmoscope
 - l) Examination Light
 - m) Stethoscope
 - n) Telemedicine
 - 12 Lead ECG
 - NIBP Cuff
 - Fingertip SPO2
 - Infrared forehead TEMP
 - Thermal Printer
 - Spirometer
 - Stethoscope
 - Digital Weighing Scale
 - Laser Printer
 - Urine Analyzer
 - White Blood Cell Analyzer
 - Hemoglobin Analyzer
 - Dry Biochemical Analyzer
 - Immunofluorescence Analyzer
 - o) Air-conditioning unit
 - p) Generator Set
 - q) Manual transfer switch
4. Valid and current Certificate of Compliance with ISO 13485: Quality Management System Requirements for regulatory purposes in the name of the following equipment. The Certificate must be issued by an independent Certifying Body/Agency:
 - a. Portable X-Ray Machine
 - b. Ultrasound Machine
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<p style="margin-left: 40px;">f. Clinical Centrifuge g. Hematocrit Centrifuge h. Reagent Refrigerator i. Handheld Electrolyte Analyzer j. Ophthalmoscope k. Examination Light l. Stethoscope m. Telemedicine</p> <p>5. Valid Certificate of Distributorship (as first Tier Distributor) issued by the Manufacturer/s of the x-ray machine, ultrasound machine, hematology analyzer, chemistry analyzer, and telemedicine authorizing the bidder to sell/distribute the offered equipment.</p> <p>6. In lieu of FDA, CMDR and CMDN except for Equipment under FDA Circular No. 2021-017 Subject: Reference List of Class A Medical Devices issued on August 12, 2021</p> <p style="margin-left: 40px;">a) Distributorship Agreement with foreign manufacturer or Manufacturer's Certificate that the supplier/bidder is authorized distributor in the Philippines duly authenticated by the Philippine Territorial Consulate from the country of origin; OR in Apostille or</p> <p style="margin-left: 40px;">b) Notarized Distributorship Agreement between the local Manufacturer/ Distributor Importer/ Wholesaler and the Bidder, And</p> <p style="margin-left: 40px;">c) ISO Certificate -13485 of the Manufacturer (Photocopy of Authenticated copy) or any equivalent ISO Certification</p> <p>7. Bidder's valid and current License to Operate (LTO) as a medical device distributor issued by the Philippine Food and Drug Administration.</p> <p>8. Notarized Certificate from the manufacturer or local dealer of the vehicle:</p> <p style="margin-left: 40px;">a) That the manufacturer has been manufacturing diesel engines and mini buses and/or medium duty trucks for the past twenty-five (25) years.</p> <p style="margin-left: 40px;">b) That the vehicles are brand new, unused, not discontinued models and were not subjected to any product recall.</p> <p style="margin-left: 40px;">c) That they have at least seventy (70) authorized servicing dealer nationwide.</p> <p>9. The Bidder shall issue a Warranty Certificate from the Manufacturer/Dealer of the mini bus which shall include the following:</p> <p style="margin-left: 40px;">a) The Mini Bus is covered with a warranty of three (3) years or 100,000 km, whichever comes first on parts and services;</p> <p style="margin-left: 40px;">b) That the manufacturer/dealer shall either cause the repair or replacement of any item or part in the vehicle that is found to be defective in material or in workmanship under normal use. The warranty period shall commence from the date of acceptance</p>			

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by the end-user after testing and commissioning;

- c) Preventive maintenance schedule on the first 1,000 km and 5,000 km shall be free of labor cost in any authorized service provider of the Mini bus dealership;
- d) That they shall provide mechanics and/or technicians that can perform on-site service and maintenance, provided that the end user will shoulder the travel expenses within the warranty period.

10. Warranty Certificate for two (2) years on the Mobile Primary Care Facility (PCF) body and interior components, medical equipment, and one (1) year for air conditioning units, generator set, manual transfer switch. The Supplier shall either repair or replace any item or part that is found to be defective in material or in workmanship under normal use. The warranty period shall commence from the date of acceptance by the end-user after testing and commissioning. The warranty certificate shall include the following:

- a) The bidder shall conduct the necessary corrective maintenance within fifteen (15) calendar days upon notification of equipment breakdown from the end-user.
- b) The bidder shall have the primary responsibility and accountability to ensure that in case of defects, the vehicle, equipment, instruments and/or peripherals are appropriately repaired or replaced and shall be in good working condition thereafter.

11. Sworn Statement using the prescribed form.

12. Company Profile of each prospective bidder who wish to purchase a copy of the Bid Documents

C. Requirement/s if Declared the Single/Lowest Calculated Bid during Post-Qualification:

Site inspection in the bidder's facility to verify/validate the capability and capacity of the bidder to fabricate the Mobile Primary Care Facility (PCF). The inspection shall be conducted by the Technical Working Group (TWG). This requirement is not applicable if the facility is located outside the Philippines.

Signature over Printed Name

[date of signing]

In the capacity of:

Duly authorized to sign bid for and on behalf of:

[title or other appropriate designation]

[Name of Company]

[Complete office address]

[Contact No.]

[Fax No.]

[Email Address]

Checklist of Technical and Financial Documents Arranged numbered and tabbed as it appears below:

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR.

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, the amount of which should be equivalent to at least *fifty percent (50%)* of the ABC for this Project, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;

or

- (e) Original copy of Notarized Bid Securing Declaration; **and** Conformity with the Schedule of Requirements, Annexes and Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (f) Original duly signed Omnibus Sworn Statement (OSS);

and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC);
or
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class "B" Documents

- (h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will

enter into and abide by the provisions of the JVA in the instance that the bid is successful.

Other documentary requirements under RA No. 9184 (as applicable)

- (i) [For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos] Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- (j) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

II. FINANCIAL COMPONENT ENVELOPE

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
- (b) Original of duly signed and accomplished Price Schedule(s).

III. ADDITIONAL DOCUMENTARY REQUIREMENTS TO BE ATTACHED IN THE TECHNICAL SPECIFICATIONS FORM:

- (1) Mobile Primary Care Facility (PCF) proposed floor layout with dimensions.
- (2) Mobile Primary Care Facility (PCF) layout showing the placing of the equipment, air conditioning units, benches, clean water tank, waste water tank, transfer switch, and generator set.
- (3) Product brochure(s) or technical data sheet(s) in Hard and Soft copies showing the technical specifications of the following in English language:
 - a) Mini Bus
 - b) Portable X-Ray Machine
 - c) Ultrasound Machine
 - d) Hematology Analyzer
 - e) Chemistry Analyzer
 - f) Binocular Microscope
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 - Laser Printer
 - Urine Analyzer
 - White Blood Cell Analyzer

- Hemoglobin Analyzer
 - Dry Biochemical Analyzer
 - Immunofluorescence Analyzer
- o) Air-conditioning unit
- p) Generator Set
- q) Manual transfer switch
- (4) Valid and current Certificate of Compliance with ISO 13485: Quality Management System Requirements for regulatory purposes in the name of the following equipment. The Certificate must be issued by an independent Certifying Body/Agency:
- a) Portable X-Ray Machine
 - b) Ultrasound Machine
 - c) Hematology Analyzer
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 - k) Examination Light
 - l) Stethoscope
 - m) Telemedicine
- (5) Valid Certificate of Distributorship (as first Tier Distributor) issued by the Manufacturer/s of the x-ray machine, ultrasound machine, hematology analyzer, chemistry analyzer, and telemedicine authorizing the bidder to sell/distribute the offered equipment.
- (6) In lieu of FDA, CMDR and CMDN except for Equipment under FDA Circular No. 2021-017 Subject: Reference List of Class A Medical Devices issued on August 12, 2021
- a) Distributorship Agreement with foreign manufacturer or Manufacturer's Certificate that the supplier/bidder is authorized distributor in the Philippines duly authenticated by the Philippine Territorial Consulate from the country of origin; OR in Apostille or
 - b) Notarized Distributorship Agreement between the local Manufacturer/ Distributor Importer/ Wholesaler and the Bidder, And
 - c) ISO Certificate -13485 of the Manufacturer (Photocopy of Authenticated copy) or any equivalent ISO Certification
- (7) Bidder's valid and current License to Operate (LTO) as a medical device distributor issued by the Philippine Food and Drug Administration.
- (8) Notarized Certificate from the manufacturer or local dealer of the vehicle:
- a) That the manufacturer has been manufacturing diesel engines and mini buses and/or medium duty trucks for the past twenty-five (25) years.
 - b) That the vehicles are brand new, unused, not discontinued models and were not subjected to any product recall.
 - c) That they have at least seventy (70) authorized servicing dealer nationwide.
- (9) The Bidder shall issue a Warranty Certificate from the Manufacturer/Dealer of the mini bus which shall include the following:
- a) The Mini Bus is covered with a warranty of three (3) years or 100,000 km; whichever comes first on parts and services.

- b) That the manufacturer/dealer shall either cause the repair or replacement of any item or part in the vehicle that is found to be defective in material or in workmanship under normal use. The warranty period shall commence from the date of acceptance by the end-user after testing and commissioning.
 - c) Preventive maintenance schedule on the first 1,000 km and 5,000 km shall be free of labor cost in any authorized service provider of the Mini bus dealership.
 - d) That they shall provide mechanics and/or technicians that can perform on-site service and maintenance, provided that the end user will shoulder the travel expenses within the warranty period.
- (10) Warranty Certificate for two (2) years on the Mobile Primary Care Facility (PCF) body and interior components, medical equipment, and one (1) year for air conditioning units, generator set, manual transfer switch. The Supplier shall either repair or replace any item or part that is found to be defective in material or in workmanship under normal use. The warranty period shall commence from the date of acceptance by the end-user after testing and commissioning. The warranty certificate shall include the following:
- a) The bidder shall conduct the necessary corrective maintenance within fifteen (15) calendar days upon notification of equipment breakdown from the end-user.
 - b) The bidder shall have the primary responsibility and accountability to ensure that in case of defects, the vehicle, equipment, instruments and/or peripherals are appropriately repaired or replaced and shall be in good working condition thereafter.
- (11) Sworn Statement using the prescribed form.
- (12) Company Profile of each prospective bidder who wish to purchase a copy of the Bid Documents

Note:

- 1) Please refer to <https://doh.gov.ph/sites/default/files/basic-page/COBAC-Sample-Forms.pdf> for the following requirements:
- a) Sworn Statement;
 - b) Computation of NFCC;
 - c) Manufacturer's Authorization;
 - d) Secretary's Certificate;
 - e) Special Power of Attorney;
 - f) Statement of Ongoing Contracts; and
 - g) Statement of SLCC.
- 2) For the following requirements, please refer to **GPPB Resolution No. 16-2020:**
- a) Bid Form;
 - b) Price Schedule;
 - c) Bid Securing Declaration; and
 - d) Omnibus Sworn Statement