



Republic of the Philippines  
Department of Health  
**METRO MANILA CENTER FOR HEALTH DEVELOPMENT**



**SUPPLEMENTAL/ BID BULLETIN NO. 1**

**IB 2024 – 096E  
PROCUREMENT OF 2 UNITS MOBILE CLINIC**

This Supplemental/Bid Bulletin No. 1 is being issued to revise provisions/specifications in the Bidding Documents for a forecited project:

| Query during Pre-bidding Conference:  |  |  |
|---|--|--|
| Technical Specification   | Query  | Response of the End User Unit  |
| Brakes: Drum type or better. With an Anti-lock braking system. With parking brake   | Brakes: Drum type or better. <del>With an Anti-lock braking system.</del> With parking brake   | Brakes: Drum type or better. <del>With an Anti-lock braking system.</del> With parking brake -GRANTED  |
| • Airbags: Supplemental Restraint System (SRS) airbags for the driver and the front passenger   | <del>Airbags: Supplemental Restraint System (SRS) airbags for the driver and the front passenger.</del> REMOVE   | <del>Airbags: Supplemental Restraint System (SRS) airbags for the driver and the front passenger.</del> REMOVE GRANTED   |
| Stainless steel water tank for supply with at least 60 L capacity<br><br>Stainless steel water tank for deposit with at least 60 L capacity   | - Stainless steel water tank for supply with at least 150 L capacity<br><br>- Stainless steel water tank for deposit with at least 180 L capacity  | - Stainless steel water tank for supply with at least 150 L capacity GRANTED<br><br>- Stainless steel water tank for deposit with at least 180 L capacity GRANTED  |
| Rotor Capacity: 12 by 20 ml/15 ml/10 ml/5 ml  | Rotor Capacity: 12 by 15 ml/10 ml/5 ml<br><br>Inclusions: Complete set of tube adapters  | Rotor Capacity: 12 by 15 ml/10 ml/5 ml GRANTED<br><br>Inclusions: Complete set of tube adapters  |
| The items below must be marked with a Non-removable DOH logo and the words "FOR MOBILE CLINIC USE ONLY" must be marked on the visible part of the equipment   | Note: The items below must be marked with a non-removable DOH logo and the words "FOR MOBILE CLINIC USE ONLY" must be marked on the visible part of the equipment. Must be made of metal or any hard nameplate material  | Note: The items below must be marked with a non-removable DOH logo and the words "FOR MOBILE CLINIC USE ONLY" must be marked on the visible part of the equipment. Must be made of metal or any hard nameplate material GRANTED  |
| Fire extinguisher (rating 2A 10BC) ten (10) pounds, with holder mounted on the vehicle floor.   | Fire extinguisher (rating 2A 10BC) ten (10) pounds, with holder mounted on the vehicle floor.  | Fire extinguisher (rating 2A 10BC) ten (10) pounds, with holder mounted on the vehicle floor. GRANTED  |
| b. Warranty Certificate for not less than three (3) years on parts and not less than five (5) on services for the Mobile Clinic. The manufacturer/dealer shall either repair or replace any item or part in the Mobile Clinic that is found to be defective in material or 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 | b. Warranty Certificate for not less than three (3) years on parts and services for the Mobile Clinic. The manufacturer/dealer shall either repair or replace any item or part in the Mobile Clinic 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 | b. Warranty Certificate for not less than three (3) years on parts and services for the Mobile Clinic. The manufacturer/dealer shall either repair or replace any item or part in the Mobile Clinic 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:  | after testing and commissioning. The warranty certificate shall include the following:  | following:  |
| Additional:   |   |   |
| Detailed Plan of Electrical, Water, and Plumbing – To be provided by the supplier to the end-user for approval prior to the production of the prototype.<br><br>Marking of Mobile Clinic – 24-inches diameter DOH Logo and 4-inch height text of the word “MOBILE CLINIC” on both sides of the vehicle. Kindly refer to the layout provided.                  | Detailed Plan of Electrical, Water, and Plumbing – To be provided by the supplier to the end-user for approval prior to the production of the prototype.<br><br>Marking of Mobile Clinic – 24-inches diameter DOH Logo and 4-inch height text of the word “MOBILE CLINIC” on both sides of the vehicle. Kindly refer to the layout provided.                  | Detailed Plan of Electrical, Water, and Plumbing – To be provided by the supplier to the end-user for approval prior to the production of the prototype.<br><br>Marking of Mobile Clinic – 24-inches diameter DOH Logo and 4-inch height text of the word “MOBILE CLINIC” on both sides of the vehicle. Kindly refer to the layout provided.                  |
| <ul style="list-style-type: none"> <li>• Generator Set <ul style="list-style-type: none"> <li>- should be able to accommodate the load of all the equipment in the vehicle.</li> <li>- Dimensions: Manufacturer’s Standard.</li> </ul> </li> <li>• Three (3) units of ergonomic stool for Laboratory room, examination room and X-ray workstation.</li> </ul> | <ul style="list-style-type: none"> <li>• Generator Set <ul style="list-style-type: none"> <li>- should be able to accommodate the load of all the equipment in the vehicle.</li> <li>- Dimensions: Manufacturer’s Standard.</li> </ul> </li> <li>• Three (3) units of ergonomic stool for Laboratory room, examination room and X-ray workstation.</li> </ul> | <ul style="list-style-type: none"> <li>• Generator Set <ul style="list-style-type: none"> <li>- should be able to accommodate the load of all the equipment in the vehicle.</li> <li>- Dimensions: Manufacturer’s Standard.</li> </ul> </li> <li>• Three (3) units of ergonomic stool for Laboratory room, examination room and X-ray workstation.</li> </ul> |

Bidders are advised to use the **following attached forms and submit them together with all required documents for the submission of bids on the 3rd<sup>th</sup> day of December 2024, 9:00 AM:**

This Supplemental/Bid Bulletin No. 1 shall be integral to the Bidding Documents. All other provisions indicated in the bidding documents not affected by this Supplemental/Bid Bulletin No. 1 shall remain in effect.

For guidance and information of all concerned.

Issued this 25<sup>th</sup> day of November 2024 in MMCHD

Approved by:

  
**JEREMIAS FRANCIS Y. CHAN, MD**  
Licensing Officer V / BAC Chairperson

Republic of the Philippines  
Department of Health  
Metro Manila Center for Health Development  
**TECHNICAL SPECIFICATIONS**

|   |                      |                                |                |
|---|----------------------|--------------------------------|----------------|
| <b>Item No. 1</b>   | <b>MOBILE CLINIC</b> | Qty./Unit                      | <b>2 Units</b> |
| Name of Manufacturer:   |                      | Country of Origin              |                |
| Brand:  |                      | Model: (if applicable)         |                |
| ABC: <b>20,000,000.00</b>   |                      |                                |                |
| <b>PURCHASER'S SPECIFICATION</b>  |                      | <b>STATEMENT OF COMPLIANCE</b> |                |
| <p><b>TECHNICAL SPECIFICATIONS:</b></p> <p><b>VEHICLE SPECIFICATIONS AND REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>• Vehicle Type: 6-wheeler medium-duty truck mounted with the mobile clinic enclosed in a standard 16-foot aluminum van custom-made body structure.</li> <li>• Engine size/displacement: At least 3000 cc</li> <li>• Fuel-injector System: Common Rail Direct Injection (CRDi)</li> <li>• Emission Compliance: Euro 4 or higher/latest emission compliance standard</li> <li>• Fuel Type: Diesel</li> <li>• Fuel Tank Capacity: At least 100 liters</li> <li>• Transmission: Manual with at least five (5) speed + one (1) reverse</li> <li>• Steering: Left Hand drive with the power steering system</li> <li>• Brakes: Drum type or better. With parking brake.</li> <li>• Front and Rear Suspensions: Multi-leaf spring suspension or better</li> <li>• Tire and wheel: 7.50-16-12PR, seven (7) tires including the spare tire</li> <li>• Standard vehicle lamps: Headlamps, tail lamps, stop lamps, signal lamps, license plate lamps, fog lamps</li> <li>• Standard dashboard instrumentations: Speedometer, odometer, fuel gauge, digital clock, warning lamps for low oil pressure, cooling water level, overheating, low battery charge, indicator lamps for the parking brake and headlight high-beam, engine check, door ajar warning.</li> <li>• Dashboard Camera: Resolution of at least 1920x1080@30fps, at least 2-inch LED display, minimum storage of 64 GB, with loop recording, automatic on/off, and night vision recording in low light. The camera must be installed on the dashboard or windshield. The power supply must be from the vehicle battery.</li> <li>• Windshield Wipers: with at least two (2) speed intermittent with washer.</li> <li>• Equipped with air conditioning system</li> <li>• Seat Belts: 3-point Emergency Locking Retractor (ELR) seatbelts for the driver and front passenger.</li> <li>• Driver and passenger side mirrors Standard convex type, manual or power adjustment.</li> <li>• Set of Tools: Hydraulic Jack, tire wrench, flat and Philips screwdrivers, set of pliers,</li> </ul> |                      |                                |                |

adjustable wrench, early warning device, and spare wheel tire.

## **MOBILE CLINIC**

- Length x Height: 16 ft. x 7.5 ft.
- X-Ray Room: All walls of the room must be lined with lead sheet at least 1.5mm thick size. The lead glass must be 1.5mm lead equivalence. The door must also be lined with lead sheet (1.5mm thick size) from edge including the jambs.
- Exam/ECG Room: Division mounted with upholstered bed at least 2 ft. x 6 ft., under cabinet, and side table
- Laboratory Room: Division with working table with at least 2 ft depth and 3 ft height, sink and under-cabinet, cabinet, and laboratory chair with adjustable height of at least 45 - 60 cm.
- Comfort Room: Division with toilet bowl, bidet and exhaust fan.
- Extraction are: Provided with fabricated phlebotomy chair
- Inclusions:
  - Canopy
  - A refrigerator with a minimum capacity of 60L to store reagents and samples, to be placed under the working table in the laboratory room.
  - 2 units of Aircon One (1) unit 1.0 hp inverter split-type and One (1) unit 0.5 hp window-type aircon)
    - *Stainless steel water tank for supply with at least 150 L capacity*
    - *Stainless steel water tank for deposit with at least 180 L capacity*
  - Royal Cable Wire (20 meters) (wire size to be considered based on the total electrical load)
  - Clearance Light
  - Wind Breaker
  - Pull-down Stairs
  - Door & Windows
  - Electrical installation
  - Installation of sticker (logo, design, label)

## **ELECTRICAL WIRING AND FINISHING**

- Lay-out for X-Ray 220 volts, lighting and receptacles power outlets
  - Main power box for breaker distributions
  - Connecting power cable, 20 meters for AC line and sub-meter (wire size to be considered based on the total electrical load)
- Walling and partition - 1/4 mm thick aluminum composite with galvanized frame
- Working table
- Finishing:
  - All ceiling and walls are finished aluminum composite
  - Flooring finished with vinyl

- Working table top finished all cabinets finished with haspe paint

**MEDICAL EQUIPMENT:**

**X-ray Machine 100MA:**

- Generator: DSP controlled, High Frequency, 4 kW
- Input voltage: 230 V, 60 Hz
- KV range: 40 kV to 100 kV in steps of 1 kV
- mA range: 10 mA to 100 mA
- mAs range: 0.1 mAs to 250 mAs
- Exposure time: 10 msec to 5 sec
- Indicators and controls: Set kV and Set mAs, Exposure ready, and Fault
- X-ray tube: Stationary anode type
- Focal spot: 1.8mm
- Trolley arm extension: 23° to 139° vertical
- Tube head vertical rotation: <290°
- Tube head horizontal rotation: 360°
- Collimator rotation: -90° to +90°
- Weight: Manufacturer's Standard

**Digital Flat Panel Detector:**

- Detector Technology: Amorphous Silicon or better
- Scintillator: CsI
- Active area: 427 mm x 427 mm
- Pixel matrix: 3072 x 3072
- Pixel pitch: 139 µm
- Spatial resolution: 3.6 lp/mm
- AD conversion: 16-bit
- Trigger mode: AED/Software
- Full image time: 5 sec or better
- Preview image time: 3 sec or better
- Battery Operation: 5 hours or better
- Dimension: 460 x 460 x 15 mm or better
- Inclusion: Computer Set (compatible with the Machine and Software)
  - i5 or equivalent, 1TB HDD or SSD, 8GB RAM, Win 10 or better
  - 24" LED Monitor
  - Keyboard, Mouse, and Power Console

Accessories: lead apron or any other radiation-protective device

**Portable Ultrasound:**

- Applications: Fetal/OB, Abdominal (GYN & Urology), Small organ, Cardiac,

Peripheral Vascular, Musculoskeletal, Conventional & Superficial, Transvaginal

- Gray Scale: 256 levels
- Scanning Depth: 240 mm Max
- Probe Frequency: 2.5 MHz - 11 MHz
- Cine loop: 256 frames or better
- Zoom: 4 steps or better
- Software package (Measurement): general, OB, GYN, URO, cardiac, vascular, small parts
- Archives Management: Patient information management, Patient images record, Patient exam report
- Full-screen Documentation
- Power Supply: 230V, 60 Hz
- Connectivity: USB Port, VGA Port, Video Port, LAN Port
- Inclusions:
  - Main unit
  - Probes (Convex, Linear, Micro-convex, and Transvaginal)
  - Probe connector

**Hematology Analyzer:**

- Impedance method for WBC, RBC, and PLT counting Cyanide free reagent for hemoglobin test
- Parameters: 21 total parameters, WBC, Lymph, Mid, Gran, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC
- 3 histograms for WBC, RBC, and PLT
- Sample Volume
  - Prediluted mode:  $\leq 20 \mu\text{L}$
  - Whole blood mode:  $\leq 9 \mu\text{L}$
- Precision (CV %):
  - WBC (109/L):  $\leq 3.5\%$  (4.0-6.9)  
:  $\leq 2.0\%$  (7.0-15.0)
  - RBC (1012/L):  $\leq 1.5\%$  (3.50-6.5)
  - HGB (g/L):  $\leq 1.5\%$  (100-180)
  - MCV (fL):  $\leq 0.5\%$  (70.0-110.0)
  - PLT (109/L):  $\leq 5.0\%$  (100-149)  
:  $\leq 4.0\%$  (150-500)
- Throughput: 60 samples per hour
- Display: TFT Touch Screen or better
- Data Storage Capacity: Up to 400,000 results including numeric and graphical information

- Communication: LAN Port supports HL7 protocol, Supports bi-directional LIS
- Interface: 4 USB ports (external printer, software upgrade, barcode reader, external WIFI, keyboard and mouse)
- LAN port (1)
- Printout: Thermal recorder, 50 mm wide paper, various printout formats
- Power: 230 V, 60 Hz

**Microscope, Binocular:**

- Body: Aluminum die-cast metal frame, protective plastic covering

Optical System: Infinity optical system

- Illumination System: Built-in transmitted illumination system

- LED Power: 0.5W

- Focusing:

- Stage height movement
- Coarse movement stroke: 15 mm
- Coarse adjustment limit stopper
- Torque adjustment for coarse adjustment knob
- Fine focus knob (minimum adjustment gradations: 2.5  $\mu\text{m}$ )

- Revolving Nosepiece: Fixed quadruple nosepiece with inward tilt

- Stage:

- Wire movement mechanical fixed stage
- Specimen holder
- Traveling range (X x Y): 76 mm x 30 mm
- Specimen position scale

- Observation Tube:

- Type: Binocular, anti-fungal
- Eyepiece (anti-fungal): 10X Field Number (FN): 20
- Tube inclination: 30°

- Interpupillary distance adjusting range: 48 - 75 mm

- Eyepoint adjustment: 370.0 - 432.9 mm

- Condenser:

- Abbe condenser NA 1.25 with oil immersion
- Built-in aperture iris diaphragm

- Objectives: Plan Achromat, anti-fungal

- Has 4X, 10X, 40X and 100X

- Power: 100 - 240 V, 50/60 Hz

**Clinical Centrifuge, 2 units (clinical and urinalysis)**

- Material: Strong Plastic Case with Metal Lid

- Brushless motor
- LED Display speed and timer
- Alarm: overspeed and imbalance
- With mechanical door lock and safety switch
- Error code display
- Speed up and speed down adjustment
- Suitable for qualitative analysis of blood serum and plasma
- Max RPM: 4000 RPM or Higher
- Max RCF: at least 2300 x g
- Timer: 0 to 90 minutes

• *Rotor Capacity: 12 by 15 ml/10 ml/5 ml*

*Inclusions: Complete set of tube adapters*

- Power: 230V, 60 Hz
- Dimension: Manufacturer's Standard

**Semi-Auto Blood Chemistry Analyzer:**

• ALT, AST, ALP, ACP, GGT,  $\alpha$ -HBDH, LDH, CK, AMY, TG, TC, HDL-C, UA, UREA, Cr, Glu, TP, Alb, T-bil, D-Bil, TBA,  $\text{NH}_4^+$ ,  $\text{HCO}_3^-$ , Ca, Mg, Cl, Na, K, apoAI, apoB, Lp ( a ), C3, C4, IgG, IgA, IgM, HbA1c, Alcohol, Amphetamines, Barbiturates, Benzodiazepine

- Analysis Method
  - Endpoint, with or without reagent blank
  - Endpoint, with sample blank and reagent blank
  - Kinetics, with or without reagent blank
  - Two-point Kinetics/Fixed-time, with or without reagent blank
  - Absorbance
  - Turbidimetry
  - Linear and non-linear calibration
- Wavelength Range:
  - Automatic by 8-position filter wheel
- Photometric Range: 0~3.5 ABS
- Flow cell:
  - Measuring volume: 32  $\mu\text{L}$
  - Optical path: 10 mm
- Must be touch screen with touch pen and popup keypad
- Storage
  - More than 3000 sample results
  - More than 1000 QC results
- With Built in printer



- Power supply: 230V, 60 Hz

### **ECG Machine, 3-channel display**

- At least 80 mm x 20 m paper size, roll type
- Leads: Standard 12 leads
- Automatic measurement & interpretation of standard ECG parameter
- Manual/Auto/Arrhythmia Analysis mode or equivalent
- Rhythm lead with histogram & trend graph for RR interval or equivalent
- With graphic LCD to display 3 channel ECG waveforms simultaneously, setting menu, and operating conditions of the unit
- Dual operation, 230V, 60Hz & Li-ion battery supporting 2 hours of operation
- Accessories: limb clamps, conductive electrodes or suction caps, conductive gels, 5 rolls of ECG paper

### **VII. OTHER EQUIPMENT AND ACCESSORIES**

*Note: The items below must be marked with a non-removable DOH logo and the words "FOR MOBILE CLINIC USE ONLY" must be marked on the visible part of the equipment. Must be made of metal or any hard nameplate material.*

- *Fire extinguisher (rating 2A 10BC) ten (10) pounds, with holder mounted on the vehicle floor.*
- Garbage container with at least 3-liter capacity and made of fiberglass reinforced plastic or Acrylonitrile Butadiene Styrene (ABS) plastic material with lid cover. The container must be labeled appropriately and must be mounted on the floor.

### **VIII. OTHER REQUIREMENTS TO BE SUBMITTED DURING THE BID OPENING**

1. Product brochure(s) or technical data sheet(s) in hard or soft copies showing the technical specifications of the following in the English language:

- X-ray Machine 100 mA
- Digital Flat Panel Detector
- Portable Ultrasound
- Hematology Analyzer
- Microscope, Binocular
- Clinical Centrifuge
- Semi-auto Blood Chemistry Analyzer
- ECG Machine, 3-channel

2. Valid certificate of Distributorship (as First Tier Distributor) issued by the foreign manufacturer or local distributor of the medical equipment and instruments authorizing the bidder to sell/distribute their products.

3. Notarized Certificate from the bidder:

- a. That the brands of the medical equipment and instruments have been in the local and/or international market for at least five (5) years.
- b. That medical equipment and instruments are brand new, unused, not discontinued models are not subjected to any product recall.

4. Bidder's valid and current License to Operate (LTO) as a medical device distributor issued by the Philippine Food and Drug Administration.

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

a. That the manufacturer has been manufacturing vehicles with diesel engines for the past twenty-five (25) years.

b. That the vehicle is brand new, unused, not a discontinued model, and was not subjected to any product recall.

6. Proof/s (such as Sales Invoice) that the brand of the vehicle already has been sold in the country as a Mobile Clinic.

#### **VIII. REQUIREMENT/S IF DECLARED THE LOWEST/SINGLE CALCULATED BIDDER**

1. Site inspection to the bidder's facility to verify/validate the capability and capacity of the bidder to fabricate the Mobile Clinic. The inspection shall be conducted by the Procuring Entity Technical Working Group.

#### **IX. REQUIREMENTS IF AWARDED THE CONTRACT**

1. The supplier shall provide orientation/training on the use and maintenance of the Mobile Clinic, medical equipment, and instruments on a schedule to be agreed upon by the Procuring Entity and the winning bidder.

2. The supplier shall submit/provide the following to the end user:

a. Operator's Manual in the English language for the Mobile Clinic, medical equipment, and instruments.

b. *Warranty Certificate for not less than three (3) years on parts and services for the Mobile Clinic. The manufacturer/dealer shall either repair or replace any item or part in the Mobile Clinic 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:*

b1. That the warranty for the vehicle shall not be affected in case a change of dealer occurs.

b2. That if the Mobile Clinic is unable to return to the service center during the warranty period, the manufacturer/dealer shall provide mechanics and/or technicians that can perform on-site service and maintenance, provided that the end user will shoulder the travel expenses,

b1. Free preventive maintenance for the vehicle every 10,000 km up to 30,000 km as indicated in the vehicle odometer. The free preventive maintenance shall be comprised of free change oil with free new engine oil, and new oil filter, free service/labor for the change oil, brake-up and cleaning, and battery check-up."

c. Warranty Certificate for two (2) years on parts and services for medical equipment, instruments, and Mobile Clinic accessories. The supplier shall either repair or replace any item or part in the said equipment that is found to be defective in material or 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:

c1. The bidder shall conduct the necessary corrective maintenance within fifteen (15) calendar days upon notification of equipment breakdown from the end user.

c2. 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 in good working condition thereafter.

d. At least three (3) years validity of vehicle Land Transportation Office (LTO) registration with red plate.

e. Third Party Liability (TPL) vehicle insurance for one (1) year and comprehensive GSIS vehicle insurance for one (1) year.

3. Delivery

a. The delivery of the Mobile Clinic must be completed within 120 calendar days upon receipt of Notice to Proceed.

b. Upon delivery, each Mobile Clinic shall undergo preliminary physical inspection by the Inspection Team of the Procuring Entity to ascertain the physical condition and acceptability of the units. All medical equipment, instruments, Mobile Clinic accessories, and peripherals must function and have no physical damage.

4. Payment shall be per delivery and acceptance for the Procuring Entity.

ADDITIONAL SPECS:

*Detailed Plan of Electrical, Water, and Plumbing – To be provided by the supplier to the end-user for approval prior to the production of the prototype.*

*Marking of Mobile Clinic – 24-inches diameter DOH Logo and 4-inch height text of the word “MOBILE CLINIC” on both sides of the vehicle. Kindly refer to the layout provided.*

- *Generator Set*
  - *should be able to accommodate the load of all the equipment in the vehicle.*
  - *Dimensions: Manufacturer’s Standard.*
- *Three (3) units of ergonomic stool for Laboratory room, examination room and X-ray workstation.*

**Source of Fund:** SAA 2024-04-002035 (HFEP 2024) Short of Award

Recipients:

1 Unit - Senate of the Philippines

1 Unit - Marikina City

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