

Technical Specifications

Republic of the Philippines
 Department of Health
 Regional Office 02
 Region II Trauma and Medical Center

Item No. 1	Dental Aerosol Suction System	Quantity ABC	1 unit P65,000.00/unit
Name of Manufacturer:		Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>A. Summary Description of the equipment:</p> <ul style="list-style-type: none"> - 4-layer Filtration - Adjustable Suction - With a Built-in UV lamp <p>B. Physical characteristics or attributes, form and design of the equipment:</p> <ul style="list-style-type: none"> - Foldable arms - Dimensions: 40*25 5*54.5 cm - Weight: 21 kg <p>C. Functionality and Performance:</p> <ul style="list-style-type: none"> - Air Flow Rate: 310 m3/h <p>D. Safety Features:</p> <ul style="list-style-type: none"> - With Indicators <p>E. Convenience Features:</p> <ul style="list-style-type: none"> - With rollers <p>F. Accessories and Consumables</p> <ul style="list-style-type: none"> - Remote Control - Power Cord - Plastic Conical Head - Pre-filter - Moisture/Water vapor filter - HEPA Filters - 2 Cotton Filters - Water Vapor Filters <p>G. Electrical Requirements</p> <ul style="list-style-type: none"> - 220V 60Hz 180watts <p>H. Quality Certifications</p>			

<p>I. Other Terms and Conditions of Acceptability:</p> <ul style="list-style-type: none"> - 1-year warranty <p><i>Proposed Delivery Schedule: Sixty (60) Calendar Days</i></p>	
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I hereby certify that the statement of compliance to the foregoing technical specifications is true and correct, otherwise, if found to be false either during bid evaluation or post qualification, the same shall give rise to automatic disqualification of our bid.

Name of Company/Bidder

Signature over Printed Name of Authorized Representative

Date

Technical Specifications

Republic of the Philippines
 Department of Health
 Regional Office 02
 Region II Trauma and Medical Center

Item No. 2	Dental Chair	Quantity ABC	2 units P1,800,000.00/unit
Name of Manufacturer:		Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>A. Summary Description of the equipment:</p> <ul style="list-style-type: none"> - The radius or traditional delivery systems, cuspidor, and assistant's instrumentation quickly and easily rotate around the chair for complete left/right compatibility. - <u>Flexible backrest.</u> Ergonomically accessible to the oral cavity. - Double-articulating, gliding headrests. - Hybrid chairlift system or <u>hydraulic based and tilt.</u> Combines the power of a hydraulic base and the smoothness of an electro-mechanical tilt, allowing simultaneous movement for quicker patient positioning. - 60° swivel with brake. Allows 30° rotation on each side of the center. - Streamlined cast iron baseplate with six contact points for stability on uneven floors. <p>B. Physical characteristics or attributes, form and design of the equipment:</p> <ul style="list-style-type: none"> - <u>Range of lift height of at least 15-29" or better; low point 15" with dual mounting.</u> - Total length at maximum extension 72" (1829mm) - Chair control: Delivery system touchpad or foot switch - Lift system: Hybrid drive (electromechanical tilt or hydraulic base and tilt) - Vitreous bowl with bowl screen. Programmable cup fill and bowl rinse timers. Rotates +/-45° 			

C. Functionality and Performance:

- LED Dental Lights
- Monitor Mounts
- Third-Hand HVE Holder
- Fingertip and Foot Control

D. Safety Features:

- Rated to 400 lb (181 kg) maximum patient load. The chair is tested to 4X (1600 lb/725 kg)

E. Convenience Features:

- 2-position armrests
- Combines comfortable arm/elbow support with a robust load-bearing design for easy patient entry and exit.
- Left/Right Versatility

F. Accessories and Consumables

- Air compressor (2 Horse Power, Silent type-Oilless)
- 2 pcs Swivel Chair
- Uninterruptable Power Supply
- Monitor
- Scaler set
- Dental Curing Light
- High-speed hand piece
- Low-speed hand piece

G. Electrical Requirements

- 100-240V, 60Hz

H. Quality Certifications

- CE Approval for medical products

I. Other Terms and Conditions of Acceptability:

- 5-year warranty
- Air: Right-angle manual shutoff valve with 3/8" compression outlet supplied and installed by the contractor, with the top of the handle no higher than 3-3/4" (95 mm) above the finished floor. • 80-125 psi (550 to 860 kPa), 2.5 scfm (71 SL/min) minimum, during normal use (7.5 scfm [210 SL/min] peak intermittent flow). • Flush lines prior to making connections to dental equipment.
- Water - Right-angle manual shutoff valve with 3/8" compression outlet supplied and installed by the contractor, with the top of the handle no higher than 3-3/4" (95 mm) above the finished floor. • 60±20 psi (410

<p>± 140 kPa), 1.5 gpm (5.7 L/min) minimum, not to exceed 40°C (104°F). • Flush lines prior to making connections to dental equipment.</p> <ul style="list-style-type: none"> – Electrical Power: 220–240 VAC, 50–60 Hz, 10 Amps minimum – The bidder of the dental unit must provide a detailed utility layout, (water, air, drain outlet, and electrical sources). <ul style="list-style-type: none"> ○ Gravity Drain - Waste water drain must have a minimum slope of 1/4" per foot (21 mm per meter) and accommodate a flow of 4.5 gpm (17 L/min) without overflow ○ Conduit, electrical box, and power receptacle supplied and installed – Construction of utility layout for dental units will be handled by the Engineering and Facility Management of R2TMC <p><i>Proposed Delivery Schedule: Sixty (60) Calendar Days</i></p>	
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Technical Specifications

Republic of the Philippines
 Department of Health
 Regional Office 02
 Region II Trauma and Medical Center

Item No. 5	Portable Periapical X-ray Camera	Quantity ABC	1 unit P100,000.00/unit
Name of Manufacturer:		Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>A. Summary Description of the equipment:</p> <ul style="list-style-type: none"> - High frequency, Small focus, Clear Image - Rechargeable Battery <p>B. Physical characteristics or attributes, form and design of the equipment:</p> <ul style="list-style-type: none"> - Dimensions: 21 cm×14.5 cm×14cm (L×W×H) or manufacturer's specification - Net Weight: +- 2.2KG or manufacturer's specification <p>C. Functionality and Performance:</p> <ul style="list-style-type: none"> - Tube Voltage: 65kV - Tube Current: 2mA - Time Exposure: 0.1~2.5s - Focal Spot to Skin Distance: 110mm - Focus Spot Size: 0.4mm <p>D. Safety Features:</p> <ul style="list-style-type: none"> - Double lead layer to protect users from x-ray <p>E. Convenience Features:</p> <ul style="list-style-type: none"> - Handheld <p>F. Accessories and Consumables</p> <ul style="list-style-type: none"> - Charger <p>G. Electrical Requirements</p> <ul style="list-style-type: none"> - Battery: 24.2V DC - Rated Power: 400VA - Charger Input Voltage: AC100V~240V±10% - Supply Frequency: 50/60Hz±1% 			

<p>H. Quality Certifications</p> <ul style="list-style-type: none"> - CE Approval for medical products <p>I. Other Terms and Conditions of Acceptability:</p> <ul style="list-style-type: none"> - With a 1-year warranty 	
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Technical Specifications

Republic of the Philippines
 Department of Health
 Regional Office 02
 Region II Trauma and Medical Center

Item No. 6	STRETCHER	Quantity ABC	5 Units P250,000.00 / Unit
Name of Manufacturer:		Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>A. Description</p> <ul style="list-style-type: none"> • Transport Stretcher made with high-quality materials, light and durable for emergency room use. Stretchers are used easily in the transport of patients to the emergency room. <p>B. Physical Characteristics or attributes, form, and design of the equipment:</p> <ul style="list-style-type: none"> • Minimum Load bearing capacity with at least: 200 kg • Materials: platform made of steel, high-strength aluminum alloy, should be light and durable, easily moved • Side rails: <ul style="list-style-type: none"> a. fold down side rails with lock b. with latch releases c. can be operated with one hand d. no hinges e. easy to wipe and disinfect • Casters diameter: at least 15 cm • 5th wheel system • With four-corner IV pole receptacles • Integrated oxygen bottle holder that can accommodate portable tank weighing 15kg. • Mattress: flame retardant, waterproof • Mattress size: appropriate and specifically designed for the stretcher; flame retardant and waterproof, at least 3” thickness • Overall length 190 – 230 cm • Overall width: at least 76cm • Height range <ul style="list-style-type: none"> ▪ Low 50 – 63 cm ▪ High 85 – 95 cm <p>C. Functionality and Performance:</p> <ul style="list-style-type: none"> • Head elevation: At least 80 degrees • Adjustable foot section 			

- Trendelenburg capability of **15 to 20 degrees**
- Reverse Trendelenburg capability of - 15 to - 20 degrees
- Hydraulic foot pedals for height adjustment on each side of the stretcher with color-coded pedals and function graphics or any equivalent.
- **With radiolucent head section**

D. Safety Features:

- Brakes on four sides (4 brake & steer pedals); with Push **handles on both sides** and Steering Plus System
- With transport handles
- Restraint strap position
- Integrated transfer board

E. Convenience Features:

- Easy adjustment features for height, Trendelenburg and adjustment of the head part
- Lock and unlock features of brakes

F. Accessories and Consumables

- IV Pole with 4 hooks, 2 pieces
- Restraint Strap
- Mattress: **flame retardant, waterproof, appropriate and specifically designed for the stretcher or high-density foam mattress, at least 3" thickness**
- Integrated oxygen bottle holder

G. Electrical Requirements

- **Not applicable**

H. Quality Certifications Conformance

- **ISO 13485 (medical devices) compliant.**

Standard Requirements:

A. Supplier must comply with the following conditions:

- ❖ Notarized Certificate of Exclusive or Authorized Distributorship of the principal company of the equipment and the necessary consumables in the Philippines.
- ❖ Submit Certificate of Training of the Company Engineer/Technical Personnel and Product Specialist issued by the Principal or Manufacturer.
- ❖ Submit a sworn statement that the company will respond within 24-48 hours in case of technical problems or equipment breakdown.

- ❖ Submit Sworn Statement that, in case of machine /equipment downtime, the supplier is given three (3) days for remedial action (repair/and or replacement of spare parts). On the 4th day, if the unit is not operational, a back-up machine shall be provided (within the warranty period).
 - ❖ Warranty: three (3) years free Service and (2) years on parts.
 - ❖ Quarterly Preventive Maintenance and Calibration within the warranty period.
 - ❖ Submit Sworn Statement that they have at least five (5) working units installed in tertiary hospitals in the country.
 - ❖ Submit notarized certification of product cycle (expected usable life of the equipment)
- I. Notarized Certificate of availability of spare parts for the next ten (10) years.

B. The Supplier must submit the following:

- ❖ Three (3) copies of the Operating Service Manuals in English
- ❖ Provide list and cost of consumables.
- ❖ Provide electrical requirements for proper operation of the machine/Equipment.
- ❖ The manufacturer in coordination with the supplier must provide a comprehensive certification training program for the end-users and biomedical technicians without additional cost to the procuring entity. The supplier must submit a comprehensive training module as part of the technical specification which covers product orientation, hands-on training, and troubleshooting. The said training must be conducted by a certified product specialist.

C. Training / Demonstration

- ❖ For end-user on the operation of equipment hospital maintenance engineer/staff

Note: Training for end-users and Hospital maintenance engineer/ ED staff must be separately conducted by the Supplier for evaluation.

Note: Attach PM sticker after every PM conducted.

Proposed Delivery Schedule: Sixty (60) Calendar Days

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Representative

Date

Technical Specifications

Republic of the Philippines
 Department of Health
 Center for Health Development 2
 Region II Trauma and Medical Center

Item No. 7	TEMPERATURE MANAGEMENT UNIT (FORCED AIR WARMING SYSTEM)	Quantity ABC	5 units P150,000.00/unit
Name of Manufacturer:		Country of Origin:	
Brand:		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>DIMENSION:</p> <ul style="list-style-type: none"> • Height: 30-35 cm • Width: 34-38 cm • Depth: 30-35 cm • Weight: 4-7.5 kg <p>OPERATING TEMPERATURE</p> <ul style="list-style-type: none"> • High = 43± 2C Handheld cap • Medium = 38 ±2C • Low = 32± 2C <p>RELATIVE NOISE LEVEL = 45-50 db</p> <p>FILTER SYSTEM</p> <ul style="list-style-type: none"> • Filter capacity – 500 hours • High efficiency 0.2µm air filter • With filter change indicator <p>HOSE</p> <ul style="list-style-type: none"> • Light, flexible and detachable • Snap-fit hose swivels for blanket attachment and positioning • Length – at least 150 cm <p>POWER REQUIREMENT</p> <ul style="list-style-type: none"> • 220-240 V AC • Power cord: 3-prong • Power cord length: at least 4m <p>INPUT FREQUENCY</p> <ul style="list-style-type: none"> • 50/60 Hz ±1 Hz <p>MOUNTING</p> <ul style="list-style-type: none"> • Freestanding with attachment to IV poles, and bedrails 			

MUST HAVE THE FOLLOWING ACCESSORIES:

- Hose clip (1 per unit)
- Sheet clip (1 per unit)
- Bedrail mount (1 per unit)
- Rolling Cart
 - Soft, lightweight, radiolucent, latex-free material
 - With resealable hose port/s

Adult Multi-position upper body blanket

Dimension

Size: 198cm x 61cm

Weight: 100g

Hose ports: 2

Adult Underbody Blanket

Dimension:

Size: 152cm x 81cm

Weight: 136g

Drape(2): 61cm x 61cm

Hose ports: 2

Adult Full Body Blanket

Dimension:

Size: 213cm x 91cm

Weight: 145g

Hose port: 1

Pedia Full Body Blanket

Dimension:

Size: 152cm x 91cm

Weight: 134g

Hose port: 1

With Standard Warranty

Proposed Delivery Schedule: Sixty (60) Calendar Days

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Technical Specifications

Republic of the Philippines
 Department of Health
 Regional Office 02
 Veterans Regional Hospital

TECHNICAL SPECIFICATIONS

Item No. 10	Portable Point of Care Ultrasound (POCUS)	Quantity ABC	1 unit P4,000,000.00/unit
Name of Manufacturer:		Country of Origin:	
Brand: Brand new only		Model:	
PURCHASER'S SPECIFICATION		SUPPLIER'S SPECIFICATION	
<p>A. Summary Description</p> <ul style="list-style-type: none"> <input type="checkbox"/> Compact, with touch screen system portable point of care ultrasound suitable for critical care and emergency setting. <p>B. Physical Characteristics, Forms and Other Attributes</p> <ul style="list-style-type: none"> <input type="checkbox"/> Flat panel with touchscreen functionality, preferably tablet type on horizontal orientation, detachable so it can be mounted on trolley cart or used as a tabletop <input type="checkbox"/> High resolution, at least 1920 x 1080 or 2k resolution. <input type="checkbox"/> 15" diagonal LCD or bigger <input type="checkbox"/> Integrated speakers <p>Weight:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Not more than 8kgs for the unit alone <p>Power Supply/Battery</p> <ul style="list-style-type: none"> <input type="checkbox"/> Operates in battery and AC <input type="checkbox"/> Rechargeable battery with appropriate charger <u>if applicable</u> <input type="checkbox"/> Minimum of two (2) hours of continuous scanning <p>Stand/Trolley</p> <ul style="list-style-type: none"> <input type="checkbox"/> At least 3 probe holders <input type="checkbox"/> Gel holder <input type="checkbox"/> Printer compartment <input type="checkbox"/> Built-in AC adapter <input type="checkbox"/> 4 swivel-casters with brake and with a lock on each cater <input type="checkbox"/> Adjustable height 			

FUNCTIONALITY & PERFORMANCE

- With advanced applications or capabilities such as but not limited
 - Calculations of VTI, SV, CO and concurrent assistance with image acquisition
 - Calculations of IVC collapsibility/distensibility index and displayed real-time
 - Preferably (not an absolute requirement) able to do lung sweep in one view and do segmental lung examination.
 - Calculates EF during live scanning
 - Real-time count of B lines
 - Able to scan with single button press & review images during eFAST/FAST

TRANSDUCERS/PROBES

- **Transducer types (must fall within the range)**
- Curvilinear transducer of 1-8 MHz
- Cardiac probe of 1-5 MHz
- Linear probe of 3-15 MHz
- **Transducer ports**
- At least 2 active transducer ports permanently available, capability of electronic switch between probes
- **Transducer Capability**
- Capable to be upgraded to 3 active transducer ports if not natively with 3 active transducer ports
- **Transducer Technology**
- Single crystal

IMAGING CAPABILITIES

- **Imaging Modes**
- 2-D
- M-mode
- B/M mode
- Dual 2D/color image mode with cine loop Doppler
- Contour Doppler Imaging (CDI)
- Power Doppler Imaging (PDI)
- Tissue Doppler Imaging (TDI)
- duplex, continuous wave Doppler
- **Imaging Software**
- With user programmable present capability

- ❑ Panoramic imaging, zoom capable with good resolution, needle enhancement, needle guide, lung, vascular/basic cardiac quantification, easy selection of calipers, auto measurements capabilities (distance, area and circumference by ellipse and trace method).
- ❑ Cardiac imaging, echo and related software
- ❑ Software package for FAST
- ❑ Ophthalmic-imaging software
- ❑ Capability to be upgraded with additional software applications.

IMAGE COLLECTION & PROCESSING

- ❑ **Image processing**
- ❑ Quick save
- ❑ Raw data processing
- ❑ Measurements, calculations, and annotations
- ❑ Image zoom with good resolution
- ❑ With a wider field of view in the near field and trapezoidal
- ❑ **Image/Cine format**
- ❑ Images can be exported into BMP, TIFF, JPEG, MPEG/H.264, AVI, DICOM, Raw Data, DICOM, & WMV file format (live and stored display format)

DATA IMAGE STORAGE

- ❑ **Archiving**
- ❑ Patient database
- ❑ Able to preview previous archives with current stored patient images
- ❑ Able to view images side-by-side from various exams
- ❑ Able to do live scan store

Capacity

- ❑ **At least 128 GB SSD internal drive with 1TB SSD external**

Export

- ❑ Hard disk, DVD-RAM, DVD-R, USB memory device in Dicom

CONNECTIVITY

- ❑ USB Ports
- ❑ LAN port
- ❑ DICOM

DICOM and HL7 compatibility
PACS connectivity
Direct print to the approved printer

Help/Tutorial Functions: Available

POWER REQUIREMENTS

- Power Supply: 220- 240

C. ACCESSORIES & CONSUMABLES

- Dedicated probes cover should be provided.
- Compatible wheeled cart, with gel bottle holders, drawer, or dedicated space for accessories, as well as a place for scanner positioning and easy orientation.
- Wheeled cart or dedicated trolley (if applicable) with gel bottle holders, drawer or dedicated space for accessories, place for scanner positioning and easy orientation. Equipment provided with necessary quality assurance and control testing tools.
- Additional battery pack if single battery only
- Power supply cord
- Mounting and brackets
- 3 gallons' of ultrasound gel
- Cleaning and disinfection products for 1000 patients' exams.
- Compatible printing paper for 3 months' operation
- Printer
- USB recorder
- Integrated speakers

D. Other Requirements

- **Voltage requirement: 220-240 VAC, 60 Hz**
- **AVR (Automatic Voltage Regulator) SERVO Type with Capacity of 50% Higher than the Actual Power Consumption of the Equipment**
- **1 unit Online UPS: At least 1 Kva**
- **The brand must have been sold/ available commercially in the Philippines with wide**

distribution having at least 3 installations for the past 3 years within the country.

- Installation/distribution list (not specific with the model being offered) coming from the principal along with a certificate of good performance shall be submitted during the post-qualification stage.

Two sets of the following:

- Operation and instruction manuals
- Service and installation manuals
- Wiring and schematic diagrams
- Parts listing
- Certificate of calibration

E. Standard Requirements:

TRAINING & DEMONSTRATION

- For end-user on operation of equipment. Hospital maintenance engineer/staff.

Note: Training for end-users and Hospital maintenance engineer/ ED staff must be separately conducted by the Supplier for evaluation.

- Two (2) years warranty on service and one (1) year warranty on parts (to issue certificate)
- Certification on the availability of spare parts for the next 5 years
- Schedule of Preventive Maintenance during Warranty Period

Note: To attach PM sticker after every PM conducted

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