

Proj. Ref. No.: **PUR21-10-0976**
End-User: **Dept. of Anesthesia**
Project: **SUPPLY, DELIVERY AND TESTING OF FOUR (4) UNITS OF ANESTHESIA MACHINE WITH MULTIPARAMETER PATIENT MONITOR**
Contract: **Single Bid**

Opening of Bids: **17 June 2022**
ABC: **Php12,000,000.00**

Item No.	Qty.	UOM	Item Description	Unit Price	Quotations (all taxes included)	
					in figures	in words
1	4	Unit	Anesthesia Machine with Multiparameter Patient Monitor	3,000,000.00		
			Components:			
			A. Anesthesia Machine with Vaporizers B. Multiparameter Cardiac Monitor C. Transport Monitor			
			Anesthesia Machine Technical Specifications			
			<ol style="list-style-type: none"> 1. Must have Three Gas System (O2, Med. Air and N2O) 2. Must have dual tubes (Macro and Micro) for each gas; Min. oxygen flow for micro must be 50ml or below 3. With separate auxiliary outlet of oxygen with own flow meter for nasal cannula/face mask use 4. Must have auxiliary common gas outlet for non-rebreathing system (NRBS) 5. Can provide nominal 21% concentration of oxygen in O2/N2O mixture (hypoxia guard proportioning system) 6. Must have at least two (2) Vaporizer Mounts: One (1) Isoflurane and One (1) Sevoflurane vaporizer compatible with the machine. 7. Must be equipped with standard pin index yoke for gases (for oxygen only); May have yoke for N2O also. 8. Must have reusable breathing circuit natural latex-free and autoclavable at 134° for up to 10mins. or settings prescribed by manufacturer 9. Breathing system must be fully integrated in the workstation 			

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Chairperson

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			<ul style="list-style-type: none"> 10. One step bag-vent switch turns ventilator on/off 11. Adjustable pressure limiting valve range 1 to 75 cmH2O and with tactile indicator 12. Circuit volume of 2.6 to 2.7L maximum including canister capable of low-flow anesthesia 13. No tools needed for assembly/disassembly of breathing system 14. Quick-change CO2 absorber with water tap (CO2 cannister, 1500G or lower) 15. Must have active gas scavenging system 16. Fresh Gas Decoupling or equivalent feature. 17. One bellows for all patient range (neonate to adult) 18. Must be equipped with gas pressure gauges (pipeline & cylinder) 19. Must be equipped with oxygen flush valve 20. Re-usable breathing head corrugated tubings must have universal adaptors/ coupling 21. High-pressure tubings /adapter/ connector/ coupling for pipeline gases: Machine side: DISS; Gas pipeline outlet side: Medstar/ Oxequip TM type or DISS 22. Medical grade electrical outlets with circuit breaker fuse in anesthesia machine base unit 23. Anesthesia Machine Base Unit-manufacturer's Standard for equipment model but must include the following: <ul style="list-style-type: none"> a. With Lockable Caster Wheels b. With drawers c. With Monitor Mount 			
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			<ul style="list-style-type: none"> d. Pneumatics 24. Ventilator Specifications <ul style="list-style-type: none"> a. Suitable for Adult, Pediatric and Neonates b. Operating Modes: <ul style="list-style-type: none"> i. Volume controlled ventilation ii. Pressure Controlled Ventilation iii. Pressure Support iv. Synchronized Intermittent Mandatory Ventilation v. Manual Ventilation vi. Spontaneous Breathing c. Monitored Parameters: <ul style="list-style-type: none"> i. Expired Volume ii. Expired Flow iii. Respiratory Rate iv. Airway Pressure with Pressure waveform display v. Allows Alarm Management d. Control Input Ranges: <ul style="list-style-type: none"> i. Breathing Frequency (rate) 4 to 60 bpm (1/min) ii. Positive End Expiratory Pressure (PEEP) 0 to 20 cmH2O or OFF, 3 to 20 cmH2O. Up to 30cm H2O PEEP is acceptable. iii. Inspiration/Expiration Ratio (Ti:Te) 4:1 to 1:4 2:1-1:8 iv. Pressure Limiting (Pmax) 15 to 70 cmH2O (hPa). Up to 100 cm H2O is acceptable v. Tidal Volume (Vt) 20 to 1500 mL in Volume Control vi. Compliance Compensation on Delivered TV vii. Low-flow compensation 			
			Multiparameter Cardiac Monitor Specifications:			
			<ul style="list-style-type: none"> 1. At least 19-inch color LCD TFT capacitive touchscreen with at least 170 degree viewing angle.. 			

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			<ol style="list-style-type: none"> 2. Suitable for monitoring the following patients: adult, pediatric, and neonate 3. Able to display 10 to 12 real-time waveforms 4. Full capacitive touchscreen with multi-touch operation. Units with navigation wheel, hard keys in combination with capacitive touchscreen are acceptable. 5. With Transport Module <ol style="list-style-type: none"> a. With at least 5.5-inch monitor b. Able to display 10 to 12 waveforms c. Parameters: 3/5 lead ECG, SPO2 (Nellcor or equivalent), Respiration, NIBP (Variable cycle), Sidestream or Mainstream CO2; Invasive Blood Pressure d. Battery: Lithium Ion with at least 3-hours capacity 6. Parameters: <ol style="list-style-type: none"> a. 12-Lead ECG b. Impedance respiration c. SpO2 d. Non-invasive blood pressure e. Dual temperature f. End Tidal CO2-Sidestream or mainstream g. Dual Invasive Blood Pressure 7. With arrhythmia analysis including atrial fibrillation. 8. With motion tolerant SpO2 signal processing and perfusion indicator to determine signal quality 9. NBP measurement modes: <ol style="list-style-type: none"> a. Manual b. Automatic c. Stat. d. Venous puncture mode. 10. With the following Screen layout choices: <ol style="list-style-type: none"> a. 10 to 12 waveform layout 			
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			<ul style="list-style-type: none"> b. Short trend layout c. Large number layout d. Oxy-Cardiorespirogram e. Cascading ECG Layout f. 7-12 ECG layout <ul style="list-style-type: none"> 11. Can derive a multi-axis portrait from the ST analysis to help detect changes in ST values. 12. Able to create a record of events or screen image capture capability and transfer PNG or PDF data to USB 13. Can be connected to a central station using standard wired connection. Can be upgraded to connect using wireless connection. 14. Back-up Battery: Lithium-ion battery capable of at least 2 hours operation 15. With alarm reminder: Audio and visual reminder 16. Can store up to at least 1000 events including parameter alarms, arrhythmia events and technical alarms. and manual events for the current patient 17. Trend data can store >120 hours of trend data for a single patient. Full disclosure that can store up to 48 hours for all parameters and waveforms. 18. With at least 3 default profiles (General ward, ICU, Operating Room) and at least 3 customized profile. 19. With "demo" feature for staff training in lieu of a demo mode, the supplier may provide a laptop or a simulator for training purposes. 20. Capable of external slave display connection 21. HL7 Compliant output 22. With USB port and speakers 23. With night mode to automatically reduce screen brightness, alarm 			
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			<p>volume and HR/pulse tone volume to minimize noise and promote anesthesia induction</p> <p>24. Capable for dash board connectivity that allows hospital biomedical engineers to quickly view the status of the monitor, upgrade monitor software, and update configuration settings from a remote server</p> <p>25. With Integrated handle for portability.</p> <p>26. Capable of connection to a global rack and support the following modules: BIS, dual IBP, microstream or mainstream, and Gas</p> <p>27. Power Supply: Autovolt 100 -240 Volts AC, 50 to 60Hz</p> <p>28. Resistant to AC and high-frequency electro surgical interference from devices (e.g., cautery, defibrillators, etc.)</p> <p>29. The following module must be provided/unit:</p> <p>a. One (1) Neuromuscular Transmission (with adult and pediatric mechanosensors for blockade monitoring modes: single twitch, TOF, DBS, tetanus, PTC; nerve localization mode with electrosensor). Stand-alone NMT Module is also acceptable.</p> <p>30. Each unit must be delivered with the following:</p> <p>a. Two (2) sets of the following NBP cuffs with interconnect tubing:</p> <p>g. Big/Large Adult NBP cuffs</p> <p>ii. Adult NBP cuffs</p> <p>iii. Small Adult NBP cuffs</p> <p>iv. Pediatrics cuffs</p> <p>v. Infant cuffs</p> <p>vi. Neonate cuffs</p> <p>b. One (1) pc Reusable SpO2 sensor (Adult)/unit</p>			
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			<ul style="list-style-type: none"> c. One (1) pc ECG-5 lead ICU lead set with grabber cable or clip type/unit d. One (1) pc Power cord/unit. Power cord must be compatible with existing outlet. e. One (1) Manual/Unit f. One (1) Unit AVR appropriate for the machine (Third Party) 			
Approved Budget for the Contract (ABC) =>				PHP12,000,000.00		

TERMS & CONDITIONS:

A. Requirement/s if declared as Lowest/Single Calculated Bids:

1. Presentation of Technical data sheet and/or presentation of a prototype equipment within seven (7) calendar days after receipt of Notice of Lowest / Single Calculated Bid. Presentation may be an online demonstration.

B. Requirement/s if awarded the contract:

1. Delivery Period: Within Ninety (90) Calendar days after receipt of Notice to Proceed (NTP).
2. Delivery Place: Equipment Section, Property & Supply Division, Philippine General Hospital, Taft Avenue, Manila.
3. Warranty Period / Coverage of Warranty: One (1) year on parts and Two (2) years on service. Free quarterly preventive maintenance during the warranty period. Warranty Period shall commence from the date of acceptance by the end user after installation, testing and commissioning.
4. Signed service level agreement with the Philippine General Hospital.
5. Original hard copy (not photocopy) or soft copy of operators and service manuals in English Language.
6. Product Orientation for end users and troubleshooting training for at least two (2) biomedical engineers.
7. Quotation of the Annual Preventive Maintenance Cost after the warranty period expires.
8. Acceptance Procedures and Parameters: Visual and functional testing.

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C. Documents required of the bidder to submit during Post-Qualification:

1. Brochures/Technical data Sheet.
2. SEC registration to prove that the supplier is in the business of importing and supplying medical equipment.
3. Certified true copy of the Certificate of Distributorship for the last five (5) years. The principal and the local distributor must have been in business partnership for at least five (5) years.
4. Certification that the Brand has been in the local/international market for at least five (5) years. Proof required: Invoices or Purchase Orders. Certification from supplied hospitals is also acceptable proof of brand presence.
5. Certification by the supplier that at least one service engineer is available locally to provide quick on-site support.
6. List of local Service Center/s
7. Certificate of Performance Evaluation from the Single Largest Contract.
8. License to Operate (LTO) from the Philippine FDA.

D. Requirements Required of the Manufacturer to be submitted during Post-Qualification:

1. Certification that the manufacturer has been in the business of manufacturing hospital equipment for at least 10 years.
2. Guarantee Letter from the manufacturer to ensure availability of supplies, parts and accessories for at least five (5) years after expiration of the warranty period.
3. Certification by the principal that service engineers are factory trained on service and repair.
4. ISO/IEC compliance document of the manufacturer.
5. List of the manufacturer's office and contact details in the following territories: Western Europe, US/Canada and Japan.

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