

Proj. Ref. No.: **BAC1-2023-09-0057**  
End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
1	1	Lot	<b>STACKABLE INFUSION PUMPS AND STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION</b>	2,950,000.00		
			<b>Technical Specifications:</b>			
1	30	Unit	<b>A. INFUSION PUMPS</b> 1. Weight: 2.0kg. or less 2. Peristaltic Press System 3. Universal IV sets are compatible with the unit 4. Pre-configured and user-defined configuration of infusion set brands possible 5. Infusion modes: a. Rate mode b. Time mode c. Body weight mode d. Ramp up/down mode e. Sequential mode f. Micro-infusion mode g. Loading dose mode 6. Rate Mode: a. Rate Range: 0.1-2000ml/h, Min. increment 0.01ml (0.1 to 99.99 ml/hr); 0.1 ml (100 to 999.9 ml/hr; 1 ml (1000 to 2000 ml/hr). Units with rate range of 0.1 to 1,200 ml/hour is acceptable. 7. Time Mode a. 00:00:01-99:59:59 hh:mm:ss; adjustable. Units that measure infusion in hours and minutes	75,000.00		

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
Chairperson

\_\_\_\_\_  
(Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-09-0057**  
 End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
 Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
 Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
 Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
			only (00:01 – 99:59 hh:mm) are acceptable. 8. Body Weight Mode: a. Weight : 0.1-300.0kg minimum, Step 0.1kg. b. Drug-Amount : 0.1-999.9, step 0.1g/mg adjustable c. Volume : 0.10-9999.99ml, step 0.01ml d. Dose: 0.01-999.99, ng/kg/min, µg/kg/h,ug/kg/min,ug/kg/24 h, mg/kg/min, mg/kg/h, mg/kg/24h, g/kg/min, g/kg/h, mU/kg/min, mU/kg/h, U/kg/min, U/kg/h, U/kg/24h, kU/kg/h, mmol/kg/h, mol/kg/h, kcal/kg/h, kcal/kg/24h, mEq/kg/min, mEq/kg/h 9. Preset Volume (VTBI): 0.10-9999.99 ml (increment: 0.01 ml) 10. Measures volume in ml/hr 11. Delivery rate settings adjustable in 0.01ml(0.1-99.99ml/h); 0.1ml(100-999.9ml/h); 1ml(1000-2000ml/h) 12. KVO Rate: 0.1-5.0ml/h adjustable, step 0.1ml/h 13. Purge is available with a rate of 1,200 ml/hour or higher 14. Bolus Rate: a. Manual Bolus: 0.10-1,200 ml/h or higher			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-09-0057**  
 End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
 Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
 Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
 Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
			b. Automatic Bolus : 0.10-1,200ml/h or higher c. Preset Bolus volume: 0.10-9999.99ml (increment: 0.01 ml) 15. Self-test system 16. Must have an anti-bolus system 17. Titration function: Available to change the delivery rate during infusion at minimum increment of 0.01ml/h 18. The bolus volume and bolus rate shall be accumulated and displayed 19. Drug library with at least 3,500 drugs, add or delete drugs available in user-defined drug list; on/off switchable 20. With at least 2,500 history records, including information: infusion information, pump status, parameter changing, turn on/off, start/stop infusion, bolus, alarms, silence 21. History records data could be transmitted to PC 22. Last parameter configuration: remembers last infusion configuration when powered off 23. Delivery Accuracy: ±5% 24. Visual and audible alarm 25. Alarm sound 1-8 levels. 26. Occlusion alarm pressure 27. 12 to 15 levels, adjustable			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-09-0057**  
 End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
 Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
 Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
 Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
			28. Occlusion pressure unit: 4 units selectable (mmHg, kPa, psi, bar), automatically calculates and displays the conversion in 4 units. 29. With air bubble detection and adjustable air bubble alarm level: 6 levels selectable 30. Air-bubble detection mechanism: Ultrasound Sensor 31. Pre-alarms : 1-30 min. Selectable; on/off switchable a. Infusion Complete b. 3min. as battery empty c. 30min. as low battery 32. Screen: At least 3.5-inch color TFT LCD, capacitive touchscreen 33. Brightness 1-8 levels adjustable 34. Display content on one page: Infusion status (drug name, infusion parameters, real-time in line pressure), System status information (infusion mode, IV set brand or bed number, alarm status, battery status, network status, relayed status and system time) 35. Power supply: 100-240V, 50/60HZ 36. Battery type: Rechargeable Lithium battery 37. Battery operating time: At least 10 hours @25ml/h 38. Battery charging time: <math>\leq 6</math> hours for 100% 39. Type of shock protection: Class I,			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-09-0057**  
End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
			Type CF, defibrillation-proof 40. Water-Proof Grade: IP23 or better 41. CE and ISO Certified 42. Each unit must have an integrated pole clamp. 43. Must be delivered with at least Two (2) units central docking station with a capacity to stack 4 infusion pumps/docking station.			
2	10	Unit	<b>B. SYRINGE PUMPS</b> 1. Weight: 2.0kg. or less 2. All general syringe brands must be compatible with the unit 3. User configurable for at least 10 different syringe brands 4. Syringes selectable: At least 1, 2, 5, 10, 20, 30 and 50/60ml. Automatic recognition of syringe size. 5. Automatic recognition of syringe size and fixation 6. 3 Infusion modes: a. Rate mode i. VTBI: 0.10-9999.99ml, increment 0.01ml/h ii. Delivery rate 0.1-2000ml/h minimum, 0.01ml (0.1-99.99ml/h); 0.1ml (100-999.9ml/h); 1ml (1000-2000ml/h) b. Time mode i. VTBI: 0.10-9999.99ml, increment 0.01ml/h	70,000.00		

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
Chairperson

\_\_\_\_\_  
(Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-09-0057**  
 End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
 Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
 Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
 Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
			ii. Time: 00:01-99:59 hh:mm; adjustable c. Body weight mode i. Weight: 0.1-300.0kg minimum, step 0.1kg. ii. Drug-Amount: 0.1-999.9, step 0.1, g/mg adjustable iii. Volume: 0.10-9999.99ml, step 0.01ml iv. Dose: 0.01- 999.99 µg/kg/h, mg/kg/h, µ/kg/min, mg/kg/min 7. Preset Volume (VTBI): 0.10-9999.99ml (increment 0.01ml) 8. Measures volume in ml/hr 9. KVO Rate: 0.1-5.0ml/h adjustable, step 0.1ml/h 10. Purge is available 0.10-2000ml/h minimum range (depending on syringe size) 11. Bolus Rate: a. Manual Bolus: at least 0.10-1,200 ml/h minimum range b. Automatic Bolus : at least 0.10-1,200ml/h minimum range c. Preset Bolus volume: 0.10-9999.99ml (increment: 0.01 ml) 12. Self-test system 13. Must have an anti-bolus system 14. Titration function: Available to change the delivery rate during infusion at minimum increment			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-09-0057**  
End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
			of 0.01ml/h 15. The bolus accumulation volume and bolus rate shall be accumulated and displayed 16. Drug library with at least 3,500 drugs, add or delete drugs available in user-defined drug list 17. With at least 2,500 history records, including information: infusion information, pump status, parameter changing, turn on/off, start/stop infusion, bolus, alarms, silence 18. Have automatic bolus system, with bolus rate and preset volume adjustable 19. Start reminder function: remember last infusion configuration when power off 20. Delivery Accuracy: 2% ±2% 21. Visual and audible alarm 22. Occlusion alarm pressure a. 12 to 15 levels Selectable b. Occlusion pressure unit: 4 units selectable (mmHg, kPa, psi, bar), automatically calculates and displays the conversion in 4 units. 23. Alarm sound 1-8 levels selectable 24. Pre-alarms : a. 1-30 min. Selectable infusion finish			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
Chairperson

\_\_\_\_\_  
(Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
(Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-09-0057**  
End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
			<ul style="list-style-type: none"> <li>b. 3min. as battery empty</li> <li>c. 30min. as low battery</li> <li>25. Screen: At least 3.5-inch color TFT LCD, capacitive touchscreen</li> <li>26. Brightness 1-8 levels adjustable</li> <li>27. Display content on one page: Infusion status (drug name, infusion parameters, real-time pressure status); System status information (alarm status, infusion mode, battery status, relayed status, syringe brand or bed number)</li> <li>28. Power supply: 100-240V, 50/60HZ</li> <li>29. Battery type: Rechargeable Lithium battery</li> <li>30. Battery operating time: more than 10 hours @5ml/h</li> <li>31. Battery charging time: &lt;/=6 hours for 100%</li> <li>32. Electrical and shock protection: <ul style="list-style-type: none"> <li>a. Class I,</li> <li>b. Type CF</li> <li>c. Defibrillation-proof</li> </ul> </li> <li>33. Water-Proof Grade: IP23 or better</li> <li>34. CE and ISO</li> <li>35. Each unit must have an integrated pole clamp.</li> <li>36. Must be delivered with at least Two (2) units central docking station with a capacity to stack</li> </ul>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
Chairperson

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*



Proj. Ref. No.: **BAC1-2023-09-0057**  
 End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
 Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
 Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
 Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
			4 syringe pumps/docking station.			
			<b>C. Specification of the Central Docking Station:</b> <ol style="list-style-type: none"> <li>1. 4 slots central docking station.</li> <li>2. Vertical or horizontal fixation is possible.</li> <li>3. Should have tube and drop sensor management clamp</li> <li>4. User-defined IV tube or syringe brand is possible for quick setting for single pumps. This feature may be present on the syringe/infusion pump and/or central docking station.</li> <li>5. Only one power cord to support all pump modules, each module could be flexible to transfer in and out and assemble without any tools.</li> <li>6. Should have automatic multi-channel relay function to support continuous infusion</li> <li>7. Automatic Day/night mode switching, time interval can be set from 1hr to 15hrs with yyyy-mm-dd, mm-dd-yyyy or dd-mm-yyyy format. Units that display this function only in the pumps are acceptable. this requirement will be waived for suppliers who will comply with this requirement by providing a computerized monitoring</li> </ol>			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-09-0057**  
 End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
 Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
 Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
 Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
			system. 8. Can store at least 2000 history records. Units that store records of at least 2,000 history in the pump only are acceptable. 9. System parameters can be automatically synchronized by manual setting or internet connection. Units that automatically synchronized by manual or internet connection in the pump only are acceptable. 10. Data transmission can be sent to a central infusion monitoring station via Wi-Fi network. 11. All alarms can be monitored in real-time, including docking, infusion pump, syringe pump. 12. Should have visual and acoustic alarms with unified alarm volume 13. One button to silence all alarms 14. Should have at least a 3.5" color LCD or OLED, 16:9 format screen for data monitoring and setting, using do not need to set on each pump. 15. Compatible with both infusion pumps and syringe pumps. 16. Real-time monitoring and display of data of infusion pump type, pump status, drugs,			

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
 Chairperson

\_\_\_\_\_  
 (Signature over Printed Name of President / Gen. Manager)

\_\_\_\_\_  
 (Name & Address of Company)

Proj. Ref. No.: **BAC1-2023-09-0057**  
End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30) UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS STACKABLE SYRINGE PUMPS WITH TWO CENTRAL DOCKING STATION**  
Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
Total ABC: **Php2,950,000.00**

Item No.	Qty.	UOM	Item Description	Unit Cost	Quotations (all taxes included)	
					in Figures	In Words
			infusion remaining time, bed number, patient name, battery, Wi-Fi, USB 17. Power supply 100-240V -, 50/60Hz 18. Battery should last more than at least 4hrs to support 1 main controller + 4 pumps 19. Recharge time is less than 6hrs for 100% battery.			
<b>TOTAL APPROVED BUDGET FOR THE CONTRACT:</b>				<b>Php2,950,000.00</b>		

**TERMS AND 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.

**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 services. Free quarterly preventive maintenance during the warranty period. Warranty Period shall commence from the date of acceptance by the end user.
4. Signed service level agreement with the Philippine General Hospital.
5. The winning bidder must provide a suitable clamp for each pump.
6. Original hard copy (not photocopy) or soft copy of operators manuals in English Language

Approved by:

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
Chairperson

\_\_\_\_\_  
*(Signature over Printed Name of President / Gen. Manager)*

\_\_\_\_\_  
*(Name & Address of Company)*

Proj. Ref. No.: **BAC1-2023-09-0057**  
End-User: **DEPARTMENT OF MEDICINE AND PEDIATRICS**  
Project: **SUPPLY AND DELIVERY OF ONE (1) LOT OF THIRTY (30)  
UNITS OF STACKABLE INFUSION PUMPS; TEN (10) UNITS  
STACKABLE SYRINGE PUMPS WITH TWO CENTRAL  
DOCKING STATION**  
Contract: **SINGLE BID**

Opening of Bids: **10 November 2023**  
Total ABC: **Php2,950,000.00**

7. Training: Provide Product orientation for end users and troubleshooting training for at least two (2) biomedical engineers.
8. Acceptance Procedures and Parameters: Visual and functional testing.

**C. Documents required of the bidder to be submitted 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. Proof that The Brand has been in the local market for the past five (5) years. Proof required: Invoices or Purchase Orders.
5. Proof that the offered model has been supplied in at least ten (10) government and or private hospital in Metro Manila. Proof Required: Invoices or Acceptance Certificate
6. Certification by the supplier that at least one service engineer is available locally to provide quick on-site support
7. List of local Service Center/s
8. Certificate of Performance Evaluation from the Single Largest Contract.
9. License to Operate (LTO) from the Philippine FDA.

**D. Documents required of the principal 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 acceptance.
3. Certification by the principal that service engineers are factory trained on service and repair.
4. ISO compliance certificate of the manufacturer.
5. List of the manufacturer's office and contact details in the following territories: Western Europe, US/Canada and Japan.

Approved by:

---

**Dean CHARLOTTE M. CHIONG, MD., PhD.**  
Chairperson

---

*(Signature over Printed Name of President / Gen. Manager)*

---

*(Name & Address of Company)*