



Republic of the Philippines
Province of Pampanga

City of San Fernando

Office of the Bids and Awards Committee

REQUEST FOR QUOTATION

(FM-CSFP-CGSO-39; Revision No.03; 04/01/2022)

Project Title : **Supply and Delivery of 12 Lead Electrocardiograph (ECG) with complete Accessories to be used for the Equipping of City Health Office Primary Care Facility and RHU Services: SUPER HEALTH CENTER for 2023 in the City of San Fernando, Pampanga**

Location of the Project : **City Health Office**

Company Name	Date : Sep 1, 2023
Address	PR No. : 2023-08-01995

Please quote your lowest price on the item/s listed below and submit your quotation duly signed by your representative not later than **Tuesday, September 5, 2023 10:00 AM** at **CGSO Building, New Public Market, Del Pilar, City of San Fernando, Pampanga**.

Canvassed by: **Camille C. Mendiola**

Approved by: 
Engr. Michael N. Quizon, Jr.
BAC Chairperson

- NOTE:
1. ALL ENTRIES MUST BE READABLE
 2. DELIVERY PERIOD WITHIN _____ CALENDAR DAYS
 3. WARRANTY SHALL BE FOR A PERIOD OF SIX (6) MONTHS FOR SUPPLIES & MATERIALS, ONE (1) YEAR FOR EQUIPMENT, FROM DATE OF ACCEPTANCE BY THE PROCURING ENTITY
 4. PRICE VALIDITY SHALL BE FOR A PERIOD OF _____ CALENDAR DAYS

Item No.	Qty	Unit	Item Description	Remarks	Unit Price	Total
1	1	unit(s)	Electrocardiograph (ECG) 12 Lead with Accessories Physical Height: 56 mm Width: 260 mm Depth: 194 mm Weight: 1.2 Kg including battery, internal AC power supply Processing Digital sampling rate: 1000 samples/second/channel Pacer detection sampling rate: 16,000 samples/second/channel ECG amplifier: DC-coupled Acquisition mode: Pre- or post-acquisition, provide 10 seconds of instantaneous ECG acquisition			



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			<p>Dynamic range: AC differential ± 10 mV, DC offset ± 600 mV Resolution: $1 \mu\text{V}/\text{LSB}$ Frequency response: -3 dB @ 0.05 to 150 Hz Baseline drift filter: 0.05 Hz, Baseline Drift Removal (BDR) Artifact filter: 20 Hz, 35 Hz AC filter: 50/60 Hz Common mode rejection: ≥ 110 dB (with AC filter switched off) ADC: 24 bits Input impedance: $> 50 \text{ M}\Omega$ @ 10 Hz, defibrillator protected Time Constant ≥ 3.2 s noise Level $\leq 15 \mu\text{V}$ Patient leakage: $< 10 \mu\text{A}$ Heart rate meter: 30 to 300 BPM $\pm 10\%$ or ± 5 BPM, whichever is greater Startup time: ≤ 5 second Sensitivity/gain: 5,10,20 mm/mV, Auto</p> <p>Display Display type: 5-inch 24-bit color, TFT LCD with LED graphics backlit Display resolution: 800*480 pixels Display data: Patient ID, gender, age, heart rate, clock, battery power indicator, waveforms, lead labels, speed, gain and filter settings, warning messages, information messages, network, USB status</p> <p>Power Power supply: AC input (without external power adaptor) or battery operation AC Power Input voltage: 100 to 240 VAC $\pm 10\%$ Input power: 60 VA AC frequency: 50/60 Hz ± 3 Hz Battery Battery type: Rechargeable Lithium ion battery, 11.1 V, 2500 mAh Battery capacity: 6 hours of continuous operation without recording or 500 ECGs in 2.5x4 format at 25 mm/s and 10 mm/mV</p>			



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Location of the Project : **City Health Office**

Item No.	Qty	Unit	Item Description	Remarks	Unit Price	Total
			<p>Battery charge time: 3.5 hours with power off</p> <p>Writer Writer technology: Thermal dot array Writer Width: 80 mm Writer speed: 5, 12.5, 25, 50 mm/s Number of traces: 3 leads + 1 rhythm or 3 leads; user selectable Writer speed accuracy: $\pm 5\%$ Writer amplitude accuracy: $\pm 5\%$ Writer resolution: Horizontal 32dots/mm @ 25mm/s, Vertical 8 dots/mm Paper type: Thermal roll paper (20 m) or Z-fold paper (80 mm width, 200 sheets/pack)</p> <p>Software Measurement and interpretation: Supports the University of Glasgow 12-lead ECG analysis program for adults and pediatrics Resting ECG mode: Records and prints 12-lead resting ECG with 10-second duration as a standard feature Supported patient information: Name, patient ID, secondary ID, age, date of birth, gender, race, medication, class, V3 electrode Placement. Internal storage: 800 ECGs in internal memory ECG Storage format: XML, PDF, Mindray Multi- language support: Supports 13 languages</p> <p>Extensional Function Reanalyze ECG automatically after changing patient's demographics Connect to external printer directly (Optional) Upload XML or PDF reports through FTP protocol (Optional) Barcode scanner (Optional) Wifi (Optional) USB flash drive storage of PDF and XML outputs (Optional)</p>			



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Location of the Project : **City Health Office**

Item No.	Qty	Unit	Item Description	Remarks	Unit Price	Total
			<p>Report Formats Thermal printer report formats: 4 by 2.5s (Sequential) 4 by 2.5s Compact 4 by 2.5s + 1 rhythm lead 4 by 2.5/5/7.5/10s (Simultaneous) Auto-rhythm (60-second ECG data for 1 rhythm lead) Continuous 1 or 3 channel manual rhythm PDF report format (A4/Letter): 4 by 2.5s + 1 rhythm lead 2 by 5s 2 by 5s + 1 rhythm lead 1 by 10s</p> <p>Accessories ECG patient cable with banana plugs, Limb Clamps, Chest Bulbs (IEC/AHA) ECG cable with Electrode clips (IEC/AHA) Country-specific power cords Z-fold and Roll paper Trolley</p> <p>Environmental Specification Temperature Operating: 0°C to 40°C Transport/storage: -20°C to 60°C</p> <p>Humidity Operating: 15% to 95% RH non-condensing Transport/storage: 10% to 95% RH non-condensing</p> <p>Pressure Operating: 57.0 kPa to 107.4 kPa Transport/storage: 16.0 kPa to 107.4 kPa</p>			
Total Amount:						

After having carefully read and accepted your General Conditions, I quote you on the item at prices noted above.



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Supply and Delivery of 12 Lead Electrocardiograph (ECG) with complete Accessories to be used for the Equipping of City Health Office Primary Care Facility and RHU Services: SUPER HEALTH CENTER for 2023 in the City of San Fernando, Pampanga

Location of the Project :

City Health Office

Printed Name/ Signature

Tel No./ Cellphone No.

Date

TERMS OF REFERENCE

Supply and Delivery of Electrocardiograph (ECG) 12 Lead with Accessories to be used for the Equipping of City Health Office Primary Care Facility and RHU Services: SUPER HEALTH CENTER for 2023 in the City of San Fernando, Pampanga

I.BACKGROUND

A paradigm shift is needed for the Philippine Health Sector wherein health reforms are critical especially during the pandemic situation. According to the DOH Philippine Health Facility Development Plan for 2022 to 2040, capital formation on health should be considered as assets with enormous economic returns. Without sacrificing the goal of equity and universal access, health care provider networks of local governments should consider health infrastructure as investments that have income generating potential. The plan envisions to create a modern, resilient, and sustainable health care system.

The PHFDP 2020-2040 outlines our strategic direction for health facilities in the country to achieve strong primary care and an integrated health system. The PHFDP will lead us to establish immediate and sustainable gains in primary care, hospital access, quality care, and other key health outcomes.

Data further showed that, the Philippines has around 3,900 primary care facilities (PCF), of which 2,593 are Rural Health Units/ Health Centers (RHU/HCs). Only 50% of Filipinos have access to an RHU/HC within 30 minutes of travel time. The country needs an additional 2,400 RHU/HCs by 2025.

II. BUDGETARY REQUIREMENT

The Budgetary Requirement for the **Supply and Delivery of Electrocardiograph (ECG) 12 Lead with Accessories to be used for the Equipping of City Health Office Primary Care Facility and RHU Services: SUPER HEALTH CENTER for 2023 in the City of San Fernando, Pampanga** is included in the PPMP with Ref. No. 2023- 3364 and already included in the Annual Procurement Plan (APP) of the City Government, which is in the amount of **ONE HUNDRED TEN THOUSAND PESOS (P 110,000,00)**

III.OBJECTIVES

The objectives of the **Supply and Delivery of Electrocardiograph (ECG) 12 Lead with Accessories to be used for the Equipping of City Health Office Primary Care Facility and RHU Services: SUPER HEALTH CENTER for 2023 in the City of San Fernando, Pampanga** are as follows:

1. To be able to facilitate the accreditation of Super Health Center as a Primary Care Facility and Rural Health Unit 6 to the Department of Health.
2. To be able to put up and establish an additional health facility in the City of San Fernando.
3. To be use as part of the diagnostic services of the Super Health Center.

IV.TERMS AND CONDITIONS

During the procurement process and delivery/ implementation of the contract, the end- user and the supplier/ contractor shall:

- a. Specifications/ Schedule of Requirements

Qty.	Unit	Item Description/ Specifications	Delivery Date	Location
1	Unit	Physical Height: 56 mm	November 6, 2023 at 8AM	Super Health Center, Civic Center

	<p>Width: 260 mm Depth: 194 mm Weight: 1.2 Kg including battery, internal AC power supply</p> <p>Processing</p> <p>Digital sampling rate: 1000 samples/second/channel Pacer detection sampling rate: 16,000 samples/second/channel ECG amplifier: DC-coupled Acquisition mode: Pre- or post-acquisition, provide 10 seconds of instantaneous ECG acquisition Dynamic range: AC differential ± 10 mV, DC offset ± 600 mV Resolution: 1 μV/LSB Frequency response: -3 dB @ 0.05 to 150 Hz Baseline drift filter: 0.05 Hz, Baseline Drift Removal (BDR) Artifact filter: 20 Hz, 35 Hz AC filter: 50/60 Hz Common mode rejection: ≥ 110 dB (with AC filter switched off) ADC: 24 bits Input impedance: > 50 MΩ @ 10 Hz, defibrillator protected Time Constant ≥ 3.2 s noise Level ≤ 15 μV Patient leakage: < 10 μA Heart rate meter: 30 to 300 BPM $\pm 10\%$ or ± 5 BPM, whichever is greater Startup time: ≤ 5 second Sensitivity/gain: 5, 10, 20 mm/mV, Auto</p> <p>Display</p> <p>Display type: 5-inch 24-bit color, TFT LCD with LED graphics backlit Display resolution: 800*480 pixels Display data: Patient ID, gender, age, heart rate, clock, battery power indicator, waveforms, lead labels, speed, gain and filter settings, warning messages, information messages, network, USB status</p> <p>Power</p> <p>Power supply: AC input (without external power adaptor) or battery operation AC Power Input voltage: 100 to 240 VAC $\pm 10\%$ Input power: 60 VA AC frequency: 50/60 Hz ± 3 Hz Battery Battery type: Rechargeable Lithium ion battery, 11.1 V, 2500 mAh Battery capacity: 6 hours of continuous operation without recording or 500 ECGs in 2.5x4 format at 25 mm/s and 10 mm/mV Battery charge time: 3.5 hours with power off</p>		
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		<p>Writer</p> <p>Writer technology: Thermal dot array Writer Width: 80 mm Writer speed: 5, 12.5, 25, 50 mm/s Number of traces: 3 leads + 1 rhythm or 3 leads; user selectable Writer speed accuracy: $\pm 5\%$ Writer amplitude accuracy: $\pm 5\%$ Writer resolution: Horizontal 32dots/mm @ 25mm/s, Vertical 8 dots/mm Paper type: Thermal roll paper (20 m) or Z-fold paper (80 mm width, 200 sheets/pack)</p> <p>Software</p> <p>Measurement and interpretation: Supports the University of Glasgow 12-lead ECG analysis program for adults and pediatrics Resting ECG mode: Records and prints 12-lead resting ECG with 10-second duration as a standard feature Supported patient information: Name, patient ID, secondary ID, age, date of birth, gender, race, medication, class, V3 electrode Placement. Internal storage: 800 ECGs in internal memory ECG Storage format: XML, PDF, Mindray Multi-language support: Supports 13 languages</p> <p>Extensional Function</p> <p>Reanalyze ECG automatically after changing patient's demographics Connect to external printer directly (Optional) Upload XML or PDF reports through FTP protocol (Optional) Barcode scanner (Optional) Wifi (Optional) USB flash drive storage of PDF and XML outputs (Optional)</p> <p>Report Formats</p> <p>Thermal printer report formats: 4 by 2.5s (Sequential) 4 by 2.5s Compact 4 by 2.5s + 1 rhythm lead 4 by 2.5/5/7.5/10s (Simultaneous) Auto-rhythm (60-second ECG data for 1 rhythm lead) Continuous 1 or 3 channel manual rhythm PDF report format (A4/Letter): 4 by 2.5s + 1 rhythm lead 2 by 5s 2 by 5s + 1 rhythm lead 1 by 10s</p>		
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	<p>Accessories</p> <p>ECG patient cable with banana plugs, Limb Clamps, Chest Bulbs (IEC/AHA) ECG cable with Electrode clips (IEC/AHA) Country-specific power cords Z-fold and Roll paper Trolley</p> <p>Environmental Specification</p> <p>Temperature Operating: 0°C to 40°C Transport/storage: -20°C to 60°C</p> <p>Humidity Operating: 15% to 95% RH non-condensing Transport/storage: 10% to 95% RH non-condensing</p> <p>Pressure Operating: 57.0 kPa to 107.4 kPa Transport/storage: 16.0 kPa to 107.4 kPa</p>		
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b. Procurement Process

1. For the End- user, ensure the completion of the documents in order to proceed with the procurement process.
2. For the supplier/ provider, ensure the completeness of the documents being required by the Bids and Awards Committee (BAC) for the procurement process on- time based on the procurement schedule including this TOR duly signed by the end- user and confirmed by the supplier/ provider.
3. If the procurement process reaches the ensuing year, observe that the allowed delivery is only up to what is stipulated in the contract.
4. For the End- user, present clearly this TOR during the Pre- Bid Conference for the information of the prospective bidder/s (for Competitive/ Public Bidding), and present by the Buyer with the assistance of the End- user (for Alternative Methods of Procurement).
5. Ensure that there are readily- available supplies upon submission of Request for Quotation (RFQ)/ Bid since delivery is anticipated upon issuance of PO/ Contract.
6. Comply with the provisions of the Procurement Law regardless of the mode of procurement, whether Competitive/ Public Bidding or the use of Alternative Methods of Procurement.

c. Delivery/ Implementation period

1. Strictly observe the "No Purchase Order (PO)/ Contracts, No Delivery" Policy and comply with the delivery period.
2. The Delivery Period shall be **November 6, 2023** at the City of San Fernando, Pampanga.
3. During the delivery, strictly follow the provisions enumerated in the Terms and Condition of the PO/ Contract including the Delivery Schedule, Penalty, among others.
4. In case there is a change in the Delivery Schedule and specifications, the End- user through the Procurement Officer shall coordinate with the CGSO- Procurement Management Division (PMD) for the latter to advise the supplier/ contractor regarding the concern.
5. Coordination with the supplier/ contractor shall be the function of the CGSO- PMD as its mandate.

d. Inspection and Acceptance

1. The CGSO- PSMD shall inspect and accept the delivery.
2. The supplier/contractor shall present the PO and issue Sales Invoice.
3. The CGSO- PSMD shall prepare the corresponding Inspection and Acceptance Report/s.
4. Such documents will be used in notifying the concerned offices on the delivery such as the City Accountant's Office (CAccO) and Commission on Audit (COA) to include the same in the Payables.

V.DELIVERABLES BY THE SUPPLIER/ CONTRACTOR AND THE CITY GOVERNMENT


The deliverables of the supplier/ contractor shall be as follows:

- a. Provide the quantity and quality of medical equipment being required by the project/ program; and
- b. Strictly follow the specifications and timely provision of requirements based on the delivery schedule.

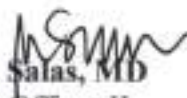
The deliverables of the City Government shall be as follows:

- a. On- time payment of the supplier/ contractor i.e., 15 days after delivery regardless if the delivery is per month or Ordering Agreement.
- b. End- user shall monitor the delivery of requirements.
- c. The Procurement Officer shall assist in the monitoring, delivery and on- time payment of the supplier.
- d. Provide necessary and readily- available documents such as during the conduct of post-audit.
- e. Evaluate the performance of the supplier/ contractor and in case there is a violation to the Contract/ Agreement, prepare a Verified Report.

Prepared and submitted by:


Aylmer Anthony V. Alimurong, RN
PPO II

Noted by:


Rowena L. Salas, MD
City Health Officer II

CONFORME:
_____ Signature over Printed Name
_____ Date

Note: This TOR shall form part of the Contract and should be strictly followed by both parties otherwise, the implementation of the project/ program might be affected as well as the performance of the supplier/ contractor

ULTRASOUND WITH ACCESSORIES

BeneHeart RA
The 4-in-1 ultrasound

Great Mobility
The BeneHeart RA is a compact, portable ultrasound machine that can be used in a variety of settings, including the office, the hospital, and the home.

Consistent Operation
The BeneHeart RA is designed for consistent operation, with a clear display and intuitive controls that make it easy to use, even for new users.

Unique Recorder
The BeneHeart RA features a unique recorder that allows you to save and share your ultrasound images and videos with ease.

Reliable Analysis
The BeneHeart RA is equipped with advanced software that provides accurate and reliable analysis of your ultrasound images.

Clear Display
The BeneHeart RA features a large, clear display that makes it easy to view and interpret your ultrasound images.

Prepared and submitted by:

[Signature]
Aylmer Anthony V. Alimurong, RN
PPO II

Noted by:

[Signature]
Rowena L. Salas, MD
City Health Officer II