

Republic of the Philippines DEPARTMENT OF HEALTH



Metro Manila Center for Health Development

SUPPLEMENTAL/BID BULLETIN NO. 1

IB2024 – 072E PROCUREMENT OF ECG MACHINE (LOT BIDDING)

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

1. Query during Pre-bidding C	onference:	
Technical Specifications	Query	Response of the End User Unit
Item no. 1 ECG Machine		
Sampling Frequency: 1 MHz	Sampling Frequency: 1 mHz	Sampling Frequency: 1 mHz
Item No. 2: Wireless Rest ECG		
Wireless Rest ECG	Wireless Rest ECG -	Wireless Rest ECG - Usual
	Usual ECG but wireless	ECG but wireless
		GRANTED
• Low pass filter: 20, 35, 40 Hz	Low pass filter: 20-25, 35, 40-45 Hz	Low pass filter: 20-25, 35, 40-45 Hz

Bidders are advised to use the following attached forms and submit them together with all required documents for the submission of bids on the 7th day of August 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 31st day of July 2024 in MMCHD

Approved by:

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



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	TECHNICA	L SPECIFICATIONS	
Item No. 1	ECG MACHINE	Qty./Unit	7 Units
Name of Manu	facturer:		Country of Origin
Brand:			Model: (if applicable)
ABC: 1,400,0 0	00.00		
	PURCHASER'S SPECIFICA	TION	STATEMENT OF COMPLIANCE
rechnical s	PECIFICATIONS:		
Standard 12			
	D touchscreen display		
	hanumeric keyboard		
	Manufacturer's Standard		
	l storage of at least 200 ECGs		
	25 Hz/ 35 Hz/ 45 Hz/ off		
	ter: 150 Hz/ 100 Hz/ 75 Hz detection for failure electrodes		
	ECG waves displaying with grid		
	in be transmitted to the PC soft	ware thru serial cable not	
cable or WIFI	in be transmitted to the re soit	ware thru serial cable, liet	
	ise technology		
	lation protection		
	equency: 1 mHz		
	rechargeable lithium battery		
	l thermal recorder		
 recording free 	equency response: ≤300Hz		
 Supplied wit 	th 10 pcs ECG paper		
	NTS, if awarded the contract		
	n Period : The delivery, installation		
	g of the equipment and its access		
	nd maintenance staff must be con	npleted within 60 calendar	
days upon rec	eipt of Notice to Proceed.	all sandust a physical	
2. Testing : Pr	ior to acceptance, the end user sh	all conduct a physical	
	d functionality test. The equipmen	it must be functioning and	
must nave no	physical damage and defect. 'he supplier shall provide a traini	ng on the proper use and	
maintenance	of the equipment to the end-users	and to the hospital	
maintenance	staff within 3 days upon delivery	of the equipment.	
4. Warranty:	stair within a days apon don't ory	1	4
	certificate for two (2) years on p	arts and service. The	
supplier shall	either repair or replace any item	or part in the equipment	
that is found t	to be defective in material or wor	kmanship under normal	
use. The warr	anty period shall commence from	the date of acceptance by	
the end-user	after testing and commissioning.		
	re maintenance at least every six	(6) months or according to	
	urer's recommendations;		
	e maintenance within five (5) cale		
notification fr	om the end-user regarding equip	ment breakdown/defects.	
d) The num	ber of days where the equipment	is unusable due to	
equipment de	efects/faults shall be added to the	warranty period.	
el The supp	lier shall specify post-warranty co	imprenensive preventive	
	costs including list and prices of a	naior chara nanta of the	

- 5. **Notarized** undertaking that the supplier shall conduct the necessary corrective maintenance, replacements and repair within five (5) calendar days upon notification of the equipment breakdown from the end-user. The undertaking shall include a statement that the number of days where the equipment is unusable due to defective material or workmanship, shall be added to the warranty period.

 6 Manuals: The supplier must provide the end user one (1) hard and one
- 6. **Manuals**: The supplier must provide the end-user one (1) hard and one (1) soft copy of the following:
 - a) Service manual in English language
 - b) Operation manual in English language
- 7. With "DOH-MMCHD HFEP (Government Property not for sale)" sticker in each unit.

Source of Fund: SAA 2024-02-001002 (HFEP 2024)

Item No. 2	WIRELESS REST ECG(Usual ECG but	Qty./Unit	1 Unit
	wireless)		
Name of Manı	ıfacturer:		Country of Origin
Brand:			Model: (if applicable)
ABC: 480,00 0			
	PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE
Technical Spe			
 Rest ECG Un 		*****	
	tion ECG processing, resolution of 12 bits (2.44	kμV/LSB)	
	to function as both rest and stress ECG	0 EDD 01	
	ss communication interface using Bluetooth 2.		
	ble to get a complete ECG recording in 10	seconds with	
network stora			
	ng rate: 250, 500, 1000 samples per second	ring the test	
• Able to prin	t in A4, letter and legal plain paper printing du test results in formats: PDF, DICOM, HL7, J	nnig uie test	
text, GDT, Nat		beg, AML, plani	
	iterface with Electronic Medical Records (EM)	R) and Hosnital	
Information S		ara rrospitar	
	e filtering and automatic baseline correction		
	t processing of saved data		
• With ST mea	1 0		
	5, 10, 20, 40 mm/mV		
	scale: 12.5, 25, 50, 100 mm/sec		
	mic range: ±5mV		
	lence: >10 Mohm		
• CMMR: >90			
• Frequency r	range (at -3db): 0.05-260Hz		
	ter: 20-25, 35, 40-45 Hz		
• With base li	ne filter		
			A
• Line noise fi	ilter: 50/60Hz		
Line noise fiWith lead of			

- \bullet System software compatible with Microsoft Windows, Andriod and Apple iOS for rest ECG
- Operating time: up to 7 hours or better
- · Size Manufacturer's Standard
- Computer: Desktop or Laptop Computer
 - with core at least core i5 processor or better
 - with at least 8gb ram or better
 - with at least 500gb storage capacity
 - Operating system: Windows 10 or better
 - Must be supplied with trolley or table
 - Must be supplied with inkjet printer or better

REQUIREMENTS, if awarded the contract

- 1. **Completion Period**: The delivery, installation, testing and commissioning of the equipment and its accessories, including the training of end-users and maintenance staff must be completed within **60 calendar days** upon receipt of Notice to Proceed.
- 2. Testing: Prior to acceptance, the end user shall conduct a physical inspection and functionality test. The equipment must be functioning and must have no physical damage and defect.
- 3. **Training**: The supplier shall provide a training on the proper use and maintenance of the equipment to the end-users and to the hospital maintenance staff within 3 days upon delivery of the equipment.

4. Warranty:

- a) Warranty certificate for two (2) years on parts and service. The supplier shall either repair or replace any item or part in the 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.
- b) Preventive maintenance at least every six (6) months or according to the manufacturer's recommendations;
- c) Corrective maintenance within five (5) calendar days upon notification from the end-user regarding equipment breakdown/defects.
- d) The number of days where the equipment is unusable due to equipment defects/faults shall be added to the warranty period.
- e) The supplier shall specify post-warranty comprehensive preventive maintenance costs including list and prices of major spare parts of the equipment for three (3) years after the warranty period.
- 5. **Notarized** undertaking that the supplier shall conduct the necessary corrective maintenance, replacements and repair within five (5) calendar days upon notification of the equipment breakdown from the end-user. The undertaking shall include a statement that the number of days where the equipment is unusable due to defective material or workmanship, shall be added to the warranty period.
- 6. **Manuals:** The supplier must provide the end-user one (1) hard and one (1) soft copy of the following:
 - a) Service manual in English language
 - b) Operation manual in English language
- 7. With "DOH-MMCHD HFEP (Government Property not for sale)" sticker in each unit.

- \bullet System software compatible with Microsoft Windows, Andriod and Apple iOS for rest ECG
- Operating time: up to 7 hours or better
- Size Manufacturer's Standard
- Computer: Desktop or Laptop Computer
 - with core at least core i5 processor or better
 - with at least 8gb ram or better
 - with at least 500gb storage capacity
 - Operating system: Windows 10 or better
 - Must be supplied with trolley or table
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Brand:			Model: (if applicable)
ABC: 1,400,000			CTATEMENT OF COMPLIANCE
TECHNICAL SPE	PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE
• Standard 12 le			
	touchscreen display		
	numeric keyboard		
	anufacturer's Standard		
With internal s	storage of at least 200 ECGs		
1	Hz/ 35 Hz/ 45 Hz/ off		
	er: 150 Hz/ 100 Hz/ 75 Hz		
	etection for failure electrodes		
	G waves displaying with grid		
The state of the s	be transmitted to the PC software thru so	eriai cable, net	
cable or WIFIWith anti-nois	a tachnalagy		
With defibrilla			
• Sampling Freq			
	echargeable lithium battery		
	thermal recorder		
 recording freq 	uency response: ≤300Hz		
Supplied with	10 pcs ECG paper		
	S, if awarded the contract	d	
	Period: The delivery, installation, testing and of the equipment and its accessories, including		
of end-users and	d maintenance staff must be completed with	in 60 calendar	
	pt of Notice to Proceed.		
	r to acceptance, the end user shall conduct a	physical	
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that is found to	be defective in material or workmanship un	der normal	
	nty period shall commence from the date of a		
the end-user aft	ter testing and commissioning.		*
	maintenance at least every six (6) months o	r according to	
	er's recommendations;		
	maintenance within five (5) calendar days up		
	m the end-user regarding equipment breakd rr of days where the equipment is unusable o		
	er of days where the equipment is unusable tects/faults shall be added to the warranty pe		
	er shall specify post-warranty comprehensiv		
, , , , ,	ests including list and prices of major spare p		
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ABC: 480,000			
	PURCHASER'S SPECIFICATION		STATEMENT OF COMPLIANCE
Technical Spe			
• Rest ECG Un			
	tion ECG processing, resolution of 12 bits (2.44	ł μV/LSB)	
	to function as both rest and stress ECG	O.FDD G	8
	ss communication interface using Bluetooth 2.		
	ble to get a complete ECG recording in 10	seconds with	
network stora			
	ng rate: 250, 500, 1000 samples per second		
	t in AA lotter and legal plain paper printing du	iring the test	
• Can export	t in A4, letter and legal plain paper printing du	iring the test neg_XML_plain	
 Can export 	test results in formats: PDF, DICOM, HL7, J _I	rring the test peg, XML, plain	
 Can export text, GDT, Nat 	test results in formats: PDF, DICOM, HL7, Jរុ tive raw data	peg, XML, plain	
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 Can export text, GDT, Nate Option to in Information S With on-line Enables pos With ST mea Sensitivity: S Horizontal s Signal dynamic input imped CMMR: >90 	test results in formats: PDF, DICOM, HL7, Jative raw data atterface with Electronic Medical Records (EMB System (HIS)) at filtering and automatic baseline correction at processing of saved data assurements 5, 10, 20, 40 mm/mV scale: 12.5, 25, 50, 100 mm/sec mic range: ±5mV dence: >10 Mohm dB	peg, XML, plain	
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- Computer: Desktop or Laptop Computer
 - with core at least core i5 processor or better
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