



Republic of the Philippines
Department of Health
MARGOSATUBIG REGIONAL HOSPITAL
Margosatubig, Zamboanga del Sur



(0981) 141-4419



(062) 925-8033



mrh_gov@yahoo.com.ph / mrhgov@gmail.com



<http://mrh.doh.gov.ph>

July 18, 2023

Contract ID : MRH-027-2023
Contract Name : Procurement of Defibrillator Machine with Monitor for Cardio and ECG

Mode of Procurement: **Public Bidding**

BID BULLETIN No. 1

Subject : Amendments to the Bidding Documents

The Bidding Documents for the **Procurement of Defibrillator Machine with Monitor for Cardio and ECG** under Project Reference No. **MRH-027-2023** is **amended** as follows:

FROM	TO
<p>SECTION VII. TECHNICAL SPECIFICATIONS</p> <p>DEFIBRILLATOR MACHINE WITH MONITOR FOR CARDIO & ECG</p> <p><u>PRODUCT SPECIFICATIONS</u></p> <ul style="list-style-type: none"> ➤ Manual Defibrillator <ul style="list-style-type: none"> ○ Output energy <ul style="list-style-type: none"> ▪ External paddle <ul style="list-style-type: none"> • 1 – 360 joules ○ Paddle <ul style="list-style-type: none"> ▪ Reusable external paddles ▪ Multifunction disposable electrodes ○ Charge Control <ul style="list-style-type: none"> ▪ Front panel button ▪ External panel button ○ Charging time <ul style="list-style-type: none"> ▪ 5 seconds at 200 J ▪ 7 seconds at 360 J 	<p>SECTION VII. TECHNICAL SPECIFICATIONS</p> <p>DEFIBRILLATOR MACHINE WITH MONITOR FOR CARDIO & ECG</p> <p><u>PRODUCT SPECIFICATIONS</u></p> <ul style="list-style-type: none"> ➤ Manual Defibrillator <ul style="list-style-type: none"> ○ Output energy <ul style="list-style-type: none"> ▪ External paddle <ul style="list-style-type: none"> • 1 – 360 joules ○ Paddle <ul style="list-style-type: none"> ▪ Reusable external paddles ▪ Multifunction disposable electrodes ○ Charge Control <ul style="list-style-type: none"> ▪ Front panel button ▪ External panel button ○ Charging time <ul style="list-style-type: none"> ▪ 5 seconds at 200 J or BETTER ▪ 7 seconds at 360 J or BETTER

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STANDARD ACCESSORIES: D1

- Reusable electrode 5 packs
- Automatic voltage regulator

STANDARD ACCESSORIES: D1

- **Disposable electrode 5 packs**
- Automatic voltage regulator

For guidance and information of all concerned.

EUGENE A. DAGOLDOL, RN, MN, MBA
BAC Chairperson

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June 5, 2023

Validity: 60 days

Technical Requirements for
Defibrillator machine

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PRODUCT SPECIFICATIONS

➤ ECG

- 3, 5 and 10 leads
- Internal and external reusable paddles
- Loose lead indicator
- Size
 - 2.5 mm/mV
 - 10 mm/mV
 - 20 mm/mV
 - 40 mm/mV
- On screen speed of ECG
 - 25 mm/sec
- Frequency response
 - MAINS filter
 - 50/60Hz
 - Diagnostic
 - 0.05 – 150 Hz
 - Muscle filter
 - 0.67 – 40 Hz
 - On-screen response
 - 0.05 – 40 Hz
- Heart rate
 - 30 – 300 bpm
- Heart rate response time
 - From 80 – 40 bpm : 8 seconds
 - From 80 – 120 bpm: 5 seconds
- Alarm response time for tachycardia
 - 206 bpm (1mV): 3 seconds
 - 195 bpm (2mV): 3 seconds



- Alarms
 - Visual alarm
 - Sound alarm
 - General alarm
 - Unit ready for shock
 - Lead off alarm
- Defibrillator
 - Waveform
 - Truncated exponential biphasic
 - Output energy accuracy
 - $\pm 15\%$
 - Patient impedance range
 - 25 – 300 ohms
 - Manual defibrillator
 - Output energy
 - External paddle
 - 1 – 360 joules
 - Paddle
 - Reusable external paddles
 - Multifunction disposable electrodes
 - Charge control
 - Front panel button
 - External paddle button
 - Charging time
 - 5 seconds at 200 J or better
 - 8 seconds at 360 J or better
 - Automated defibrillator
 - Output energy
 - 150 – 360 Joule $\pm 15\%$
 - Guiding messages
 - Audible and screen messages that guide the user during operation



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- Charge indication
 - Charging tone
 - Charge complete tone
 - Flashing shock button on the front panel
- Shock control
 - Front panel button
- Detection characteristics
 - VF sensitivity
 - VT sensitivity
 - NSR specificity
- NIBP
 - Systolic pressure
 - Adult: 50– 250 mmHg
 - Pedia: 50 – 150 mmHg
 - Diastolic pressure
 - Adult: 30 – 190 mmHg
 - Pedia: 30 – 100 mmHg
- Screen
 - Not smaller than 170 x 120 mm screen size
 - TFT color with LED backlight
 - Resolution: at least 800 x 600 pixel
- Data storage
 - Compact flash removable external memory
 - At least 16 MB
- Power supply
 - 220 – 240 Vac
 - Battery
 - NiMH or better
 - Charging time not more than 3 hours
- Standard compliance
 - IEC 61000 – 4 – 2
 - IEC 61000 – 4 – 4
 - IEC 61000 – 4 – 11

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STANDARD ACCESSORIES: D1

- Disposable electrode 5 packs
- Automatic voltage regulator
-

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STANDARD REQUIREMENTS UPON SUBMISSION OF BIDDING DOCUMENTS

- Soft copy of user manual

REQUIREMENT/S IF AWARDED THE CONTRACT

- Manual in English Language
 - 2 copy of Operation manual (Hard copy)
 - Service manual with soft copy
- Training Program
 - for end-user on equipment's operation with certificate
 - Technical training with certificate (When necessary)
- Three (3) years warranty on parts and service after commissioning and acceptance
- Certification on the availability of spare parts for the next 5 years
- Down time of machine will be added as extension of the warranty.
- With calibration certificate (When necessary)
- **Section V. Special Conditions of the Contract**
 - Delivery Place: Margosatubig Regional Hospital, Zamboanga del Sur
- **Section VI Schedule of Requirements**
 - Completion/Delivery Period: 120 calendar days upon receipt of the Notice to Proceed including the delivery, installation, testing and commissioning, Partial delivery allowed within the completion/delivery period.
 - Payment terms: Sixty (60) Calendar days.

PREPARED & REVIEWED BY

IVY REALES, RN
Nurse III