



PHILIPPINE HEART CENTER
East Avenue, Quezon City

SUPPLEMENTAL BID BULLETIN No. 037-2024

SUBJECT : Revised Technical Specifications of the Project

PROJECT : 2 units Transport Monitor with Defibrillator - ITB No. 032.24

To ensure that the transactions are comparatively advantageous to the interests of the PHC, the originally pre-issued bidding documents as mentioned above, revised technical specifications is hereby introduced.

- **Attached - Revised Technical Specifications - Annex "A"**

This Supplemental Bid Bulletin is hereby supersedes the original parameters as stated therein. All other requirements previously stated on the bid documents must be complied.

Please be guided accordingly.

Approved. Done this 16 day of May 2024, BAC Office, PHC.


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Chairman, BAC for Pharmaceutical Supplies and Medical Equipment



2 units Transport Monitor with Defibrillator

Specifications

Description of Function

This is attached to the patient as ordered his/her stay in the unit to determine his/her hemodynamic status. This gives the health team accurate assessment of the patient necessary for effective intervention.

Operational Requirements

System complete with all accessories as specified in the Technical Specifications below.

- 1.1 Biphasic Technology
- 1.2 Data Storage for at least 24 hours
- 1.3 Color LCD Screen; at least 6.5 – 7.5 inches display; minimum resolution of 640 x 480 pixels
- 1.4 Monitoring Parameters: ECG, SPO2, NIBP and Capnography
 - 1.4.1 Electrocardiogram (ECG)
 - 1.4.1.1 Support 3 – 6 Lead ECG cables
 - 1.4.1.2 Able to recognize abnormal rhythms, leads off and produce a subsequent alarm
 - 1.4.1.3 HR detection from 30 – 300 beats per minute
 - 1.4.1.4 Simultaneous analysis of at least 4 leads of any of the 12 leads as per user's preference
 - 1.4.1.5 QRS detection
 - 1.4.2 Pulse Oximetry (SPO2)
 - 1.4.2.1 Transmitted from
 - a. Reusable finger probe, and
 - b. Skin probe – 10 pcs/unit
 - 1.4.2.2 Range: 0 - 100%
 - 1.4.2.3 Accuracy: 70 – 100%
 - 1.4.2.4 PR accuracy \pm 3 bpm
 - 1.4.3 Non Invasive Blood Pressure
 - 1.4.3.1 Parameters: Systolic, Diastolic and Mean
 - 1.4.3.2 Range: Systolic: Minimum- 25mmHg, Maximum- 290mmHg
Diastolic: Minimum- 10mmHg, Maximum - 210mmHg

Maximum- 265 mmHg or higher

Diastolic: Minimum- 10-20 mmHg

Maximum – 210 mmHg or higher

Mean: Minimum- 15mmHg

Maximum- 220 mmHg or higher

1.4.3.3 Cuff inflation time: 30 – 120 seconds

1.4.3.4 Modes: Manual and Automatic

1.4.3.5 Interval in Automatic mode: from 5 minutes up to 480 minutes

1.4.3.6 Accuracy: ± 5 mmHg

1.4.3.7 Method: Oscillometric

1.4.3.8 With variable cuff sizes with liner fit for:

a. Extra Large Adult – 2 pcs

b. Regular Adult – 2 pcs

c. Small Adult – 2 pcs

d. Neonate – 2 pcs

e. Child – 2 pcs

1.4.4 Capnography: warm-up time less than 10 seconds; capable for intubated and non-intubated patients with provision of 1 set of connectors per unit

1.5 AED mode capability

1.6 External pacer capability with available cables fit for pedia and adult

– 1.7 External cable paddles for pedia and adult and with discharge buttons

1.8 Internal paddle electrodes (with 2 Internal Paddles each unit: 1 adult and 1 pedia set paddles for each unit)

1.8.1 Standard sizes for adult, pediatric, neonatal

1.8.2 Handle with discharge buttons

1.8.3 Sterilizable on steam or plasma

1.9 Output energy: 2 joules to 270; or 2 joules – 360; adjustable settings

1.10 Charge status indicator

1.11 Charging time is 5 seconds or less for energy of 200 joules

1.12 Defibrillation of at least 100 shocks at a minimum of 200 joules at fully charges battery

1.12.1 Quick recovery ECG baseline at least than 3 seconds

- 1.13 Automatic disarm feature
- 1.14 Monitoring Parameter Alarms: setting adjustable
 - 1.14.1 Low or high cardiac rate
 - 1.14.2 Arrhythmia
 - 1.14.3 Low or high Blood Pressure
 - 1.14.4 Low level Oxygen Saturation
 - 1.14.5 Disconnection
- 1.15 Record of parameters printed on thermal paper
- 1.16 Monitoring cart/trolley; wheel caster with brakes
- 1.17 Can be mounted/hooked to bed

2 System Configuration Accessories, spares and consumables

- 2.1 Consumables
 - 2.1.1 Pacer pad connectors fit for adult and pedia
 - 2.1.2 With 4 sets of pacer pads per unit with 2 sets each for adult and pedia
 - 2.1.3 1 pack of 30 pcs Electrodes each for adult and pedia per unit to be included upon delivery
 - 2.1.4 Thermal paper 3 pcs per unit

3 Environmental factors

- 3.1 The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90%
- 3.2 The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%
- 3.3 Shall meet IEC-60601-1-2:2001(or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility or should comply with 89/366/EEC; EMC-directive.

4 Power Supply

- 4.1 Power input to be 220-240VAC, 60Hz fitted with PHC electrical outlet
- 4.2 Re-settable over-current breaker shall be fitted for protection
- 4.3 Lithium-ion battery or Ni-MH; with battery indicator and overcharge protection
- 4.4 Electrical Plug compatible with PHC set socket, provide certification
- 4.5 Full charging to:
 - 4.5.1 Monitoring: at least 3 hours continuous monitoring
 - 4.5.2 Defibrillation: at least 200 shocks at a minimum of 200 joules
 - 4.5.3 Pacing: at least 2 hours continuous pacing

4.6 Charging time: 4 – 8 hours

5 Standards, Safety and Training

5.1 Manufactures/Supplier should have ISO 13485 certificate to Quality Standard

5.2 Should be CE, UL or BIS approved product

5.3 Should be FDA Philippines approved product

5.4 Comprehensive technical training for PHC BIOMED and user's training to staff for familiarity with the system

5.5 Electrical Safety conforms to standards for electrical safety IEC 60601-1 General requirements (OR EQUIVALENT) international/national standards

5.6 Comprehensive warranty for 3 years on parts and services and 3 years free quarterly preventive maintenance

5.7 Consumables should be available for 5 years in the market

6 Documentation

6.1 User/Technical Maintenance manuals to be supplied in English (hard and soft copy) upon delivery

6.2 Laminated quick operational guide per unit

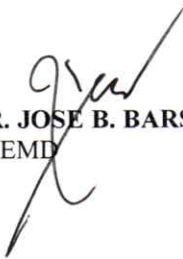
6.3 List of important spare parts and accessories with their part number and costing

6.4 List of equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual

6.5 Supplier must submit notarized certification of good standing from PHC user/ other hospital / health care facilities

6.6 Exclusive distributorship of similar project

6.7 Delivery 90 calendar days


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