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No. F-8(324) RMSC/EPM/M-2/NIB-748/2023-24/ 837

Date:- 7/12/23

Clarification/Corrigendum/Addendum

Subject:- NIB No. F-8(324) RMSC/EPM/M-2/NIB-748/2023-24/417 Dated 25.08.2023 for item Multipara Monitor (Basic), Central Monitoring System (CMS)-8 Channel and Central Monitoring System (CMS)-16 Channel

In Reference to subject cited above and NIB-748 The following Corrigendum/Addendum is issued for inclusion in bid document as below:-

1. Revised Specification:-

AMENDMENT/REVISED TECHNICAL SPECIFICATIONS OF "MULTI PARA MONITOR (BASIC)"

- 1) It should having ECG, SpO2, NIBP, Respiration and two Temperature as standard parameters and upgradable to 2 IBP and EtCO2.
- 2) Should have facility to display 7 lead ECG, RR, HR, SpO2, NIBP, and dual Temperature.
- 3) Should display 8 or more waveforms of selected parameters simultaneously, should have color coding for different waveforms.
- 4) Should have inbuilt battery backup of at least three hours.
- 5) Display: Color LED/LCD touch screen display size of 12" or more.
- 6) Monitor should have both touch screen and knob to operate.
- 7) Should have dual temperature monitoring in Celsius or Fahrenheit.
- 8) Should have facility for displaying multi - screen configurations.
- 9) Should be able to store & display at least 48 hrs or more of trends of all parameters.
- 10) Should be suitable for monitoring adult & pediatric & neonate patients.
- 11) The SpO2 technology should be Masimo/Nellcor and it should also sense in hypotension, shivering & motion. Agreement Copy and authenticity mail from principal manufacturer of currently under contract shall be submitted with bid document.
- 12) Should have oscillometric technology for measurement of NIBP with Auto, START and Manual modes.
- 13) Should have drug dose calculation.
- 14) The pulse rate should be displayed either with ECG or SpO2.
- 15) The respiration rate should be calculated through Impedance method.
- 16) Should be able to analyze 20 or more type arrhythmias & ST segment changes and QT/QTc Analysis.
- 17) Should have heart rate variability (HRV) analysis.
- 18) Memory should not wipe off when the power is turned off.
- 19) Should be able to give visual & audible alarms with three levels of volume adjustment. Monitor should have audio-visual alarm and parameter lamp glowing in different colors.

- 20) Should have facility of connecting to the central monitoring station (Port only) having facility for real time monitoring through Ethernet cable or Wireless Connectivity.
- 21) Monitor should have VGA/**similar** port for External Display.
- 22) Wall mount stand should be provided free of the cost with the monitor.
- 23) Quoted model should be European CE (Notified Body)/USFDA approved/**BIS**. In case of Model not mentioned in certificate authenticity proof from certifying agency shall be submitted with bid document.
- 24) Warrantee-Three years on equipment from the date of installation.
- 25) **Manufacturer should have ISO 13485 certificate from IAF accredited certifying agency.**
- 26) CMC: CMC will be given @ 5 % of Net Rate exclusive of GST (As applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion of Warrantee period of three years.
- 27) Equipment shall be supplied with 5 lead ECG cable (1 Nos.**OEM of quoted product**), SpO2 (Adult,Pediatric,Neonate) probe with extension cable (Each 1No.)**make:Masimo/Nellcor**, NIBP Cuff with extension cable of Large Adult, Adult & Pediatric (2 each)**OEM of quoted product**, Temperature probe (2 Nos.**OEM of quoted product**) & Operating / user Manual (1 No.).

AMENDMENT/REVISED TECHNICAL SPECIFICATIONS OF "CENTRAL MONITORING SYSTEM (CMS) – 8 CHANNEL"

1. Central monitoring should be compatible for 08 No of beds.
2. Shall have support of all parameter available on connected Multipara Monitor and can select among them for display.
3. Should have communication facility through Ethernet/LAN
4. Should have **uni-directional/bi-directional** communication with monitor
5. Should have different display modes like Waveforms, Numeric Data, Graphical Display, Tabular Display and Calculation, Trend for Tabular and Graphics.
6. Should have facility of Freeze/Unfreeze wave analysis.
7. Should have Audio/Visual alarms.
8. Should have different wave color for Selectable for Each Display Area.
9. Should have 30 days of Storage of Patient Data
10. Should have different views like Normal, Maximize and Monitor view.
11. Should have different printing facility as Table Trend Printing and Data Review Printing.
12. Should have Facility for entering doctor's name, diagnostic and remarks for individual patient.
13. It must have facility of online monitor cloning & control, Must have facility of online update.
14. Should have computer **minimum** configuration of i3, 500 GB HDD, 4GB RAM, Qty. 2 Monitor-32", Keyboard, Mouse, UPS, Speaker.
15. Firm shall provide full installation and commissioning of CMS system in ICU with monitor display at both nursing station and doctor's duty room.

AMENDMENT/REVISED TECHNICAL SPECIFICATIONS OF "CENTRAL MONITORING SYSTEM (CMS) 16 CHANNEL"

1. Central monitoring should be compatible for 16 No of beds.
2. Shall have support of all parameter available on connected Multipara Monitor and can select among them for display.
3. Should have communication facility through Ethernet/LAN
4. Should have **uni-directional/bi-directional** communication with monitor
5. Should have different display modes like Waveforms, Numeric Data, Graphical Display, Tabular Display and Calculation, Trend for Tabular and Graphics.
6. Should have facility of Freeze/Unfreeze wave analysis.
7. Should have Audio/Visual alarms.

8. Should have different wave color for Selectable for Each Display Area.
9. Should have 30 days of Storage of Patient Data
10. Should have different views like Normal, Maximize and Monitor view.
11. Should have different printing facility as Table Trend Printing and Data Review Printing.
12. Should have Facility for entering doctor's name, diagnostic and remarks for individual patient.
13. It must have facility of online monitor cloning & control, Must have facility of online update.
14. Should have computer **minimum** configuration of i3, 500 GB HDD, 4GB RAM, Qty. 2 Monitor- 32", Keyboard, Mouse, UPS, Speaker.
15. Firm shall provide full installation and commissioning of CMS system in ICU with monitor display at both nursing station and doctor's duty room.

2. Date extension of Bid:-

Existing Dates			Extended Dates		
Last Date & Time of Online Downloading of Bidding Document	Last Date & Time of Online Submission of Bid	Date & Time of Online Opening of Technical Bid	Last Date & Time of Online Downloading of Bidding Document	Last Date & Time of Online Submission of Bid	Date & Time of Online Opening of Technical Bid
11.12.2023 6:00 PM	11.12.2023 6:00 PM	12.12.2023 03:00 PM	14.12.2023 6:00 PM	14.12.2023 6:00 PM	15.12.2023 03:00 PM

All other terms & conditions remains the same.


 Executive Director (EPM)
 RMSCL, Jaipur

Note:- Please note that all above amendments/corrigendum is technical specifications/bid conditions is the integral part of (Section-VIII) and the bid document. This corrigendum/addendum should be signed and annexed with bid document. All other terms & conditions remains the same.