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No. F-8(260)RMSC/EPM/M-2/2021-22/NIB-670/ 36

Date:- 13/04/2022

Clarification/Corrigendum/Addendum

Subject:- NIB No. F-8(260) RMSC/EPM/M-2/2021-22/NIB-670/1782 Dated: 24.03.2022 Primary Trauma Centre's on Turnkey Model.

In Reference to subject cited above and NIB-670 the various representations received from the firms and issues raised by the Bidders are under consideration by the competent Authorities and technical committee. The following Corrigendum/Addendum is issued for inclusion in bid document as below:-

1. Revised Technical Specification of Primary Trauma Centre's on Turnkey Model

Package – I (100 Different Location)

Item No. 4: (A) Ambu Bag (adult) Silicon Resuscitator

- 1) Should have silicon rubber bellow to with stand autoclave at 134 deg. C
- 2) Should provide with autoclavable face mask & Oxygen Connecting tube.
- 3) Should be supplied with a carry pouch.
- 4) It should have a bag volume of 1600 ml. , variation of ± 100 ml will be accepted.
- 5) It should have controlled flow rates and ventilation, and with reduced airway pressure.
- 6) Should have a port in the bag to connect oxygen with reservoir bag

(B) Ambu Bag (Pediatric) Silicon Resuscitator

- 1) Should have silicon rubber bellow to with stand autoclave at 134 deg. C
- 2) Should provide with autoclave able face mask & Oxygen connecting tube
- 3) Should be supplied with a carry pouch.
- 4) It should have a bag volume of 500 ml., variation of ± 100 ml will be accepted.
- 5) It should have controlled flow rates and ventilation, and with reduced airway pressure
- 6) Should have a port in the bag to connect oxygen with reservoir bag

Item No. 5: B type Oxygen Cylinder (40 Cu FT)& Flow meter/holder

1. Should be B type capacity 10.2 liters .
2. Should be supplied with humidifier and flow meter
3. Should be supplied with trolley (wheeled) and Matching key cum spanner
4. The trolley should be mounted on good quality wheels of 100mm
5. The trolley should have MS tubular frame work and SS base.
6. Should have a gauge to measure the cylinder pressure.
7. Cylinder should have ISI mark
8. Cylinder should have explosive safety certificate and should be provided along with each cylinder during installation

Flow meter:

1. Back Pressure Controlled Flow Meter
2. Sturdy and reliable Flow Meter Unit for an accurate measuring of flow of gases
3. Chromium plated Brass Body
4. Metering tube and rover made of unbreakable Poly carbonate
5. Flow adjustment by Needle valve equipped with inlet filter 100 μ m
6. Flow rate range 0-15 liters/minute
7. Inlet pressure suitable for the cylinder

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Bubble Humidifiers with safety valve and pressure Relief:

1. Lid made of ABS Plastic
2. Jar made of Unbreakable Poly Carbonate
3. Valve Brass chromium plated
4. Humidifier jar should be steam autoclavable / gas sterilizable

Item No. 6: D type O2 Cylinder (220 Cu FT)& & Flow meter/holder (Bulk)

- 1) A container designed as a refillable cylinder used to hold compressed medical oxygen (O₂) under safe conditions at high pressure O₂ is used as an essential life support gas, for anesthesia, and for therapeutic purposes
- 2) It should be a standard D- type molybdenum steel cylinder
- 3) The capacity should be of approx 7 cu mt. at pressure of 1800-2000lbs/square inch
- 4) should be supplied with **Bulk Cylinder Oxygen Conversion Unit** Oxygen pressure regulator/flow meter capable of reducing the pressure to appropriate level to run either a ventilator or provide oxygen therapy
- 5) should be seamless
- 6) Fitted with Humidifier, key and flow meter
- 7) Mobility on its trolley , **Should be supplied with trolley (wheeled) and Matching key cum spanner**
- 8) Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90% Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90%
- 9) Cylinder should have ISI mark and ISO certificate for quality standard or BIS equivalent; IS 3224 Cylinder should have explosive safety certificate and should be provided along with each cylinder during installation
- 10) Color Codes to be displayed on the cylinders.

Item No. 13: Multi Para monitor

- 1) It should having ECG, SpO₂, NIBP, Respiration and two Temperature as standard parameters.
- 2) Should have facility to display 7 lead ECG, RR, HR, SpO₂, NIBP, and dual Temperature.
- 3) Should display 6 or more waveforms of selected parameters simultaneously, should have colour 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 either in 0Celsius or 0Fahrenheit.
- 8) Should have facility for displaying multi - screen configurations.
- 9) Should be able to store & display at least 96 hours of graphical trends of all parameters.
- 10) Should be suitable for monitoring adult & pediatric & neonate patients.
- 11) The SpO₂ technology should be Masimo/Nellcor/TruSignal and it should also sense in hypotension, shivering & motion.
- 12) Should have oscillometric technology for measurement of NIBP with Auto, START and Manual modes.
- 13) Should have different patient type selection.
- 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 arrhythmias & ST segment changes.

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14. Auto-Print facility from the moment it is charged and continues after the shock is delivered. Time of charging, time of shock delivery and the energy delivered should be printed. Should have a built in 50mm strip printer.
15. **Should be supplied with 2 Nos disposable pads for AED/ Pacer.**

Item No. 43: Desktop Computer (i3 Processor latest 11th Generation, 4 GB / 1TB configuration, Monitor 15 inch or more)

Item No. 45: Multi-Functional Printer (MFP) Laser Print (18 pages per minute), Scan, Copy Monochrome Laser, Up to 18 ppm (A4), USB connectivity.

Item No. 38: Gauze Place Bin (Dressing Drum Stainless Steel) size- 11 inch x 9 inch

Item No. 39: Kidney tray Set - J4 grade (8, 10, 12 inch)

Item No. 40: SS Kick Blow/Bucket (304 grade stainless steel, Easy removable and smart clean, 330mm external diameter bowl with 4lt. volume)

Package – II (Didwana, Nagaur)

Item No. 26: Multi Para Monitor

- 1) It should having ECG, SpO2, NIBP, Respiration and two Temperature as standard parameters.
- 2) Should have facility to display 7 lead ECG, RR, HR, SpO2, NIBP, and dual Temperature.
- 3) Should display 6 or more waveforms of selected parameters simultaneously, should have colour 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 either in 0Celsius or 0Fahrenheit.
- 8) Should have facility for displaying multi - screen configurations.
- 9) Should be able to store & display at least 96 hours of graphical trends of all parameters.
- 10) Should be suitable for monitoring adult & pediatric & neonate patients.
- 11) The SpO2 technology should be Masimo/Nellcor/TruSignal and it should also sense in hypotension, shivering & motion.
- 12) Should have oscillometric technology for measurement of NIBP with Auto, START and Manual modes.
- 13) Should have different patient type selection.
- 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 arrhythmias & ST segment changes.
- 17) Memory should not wipe off when the power is turned off.
- 18) Should be able to give visual & audible alarms with three levels of volume adjustment.
- 19) Should have facility of connecting to the central monitoring station having facility for real time monitoring through Ethernet cable or Wireless Connectivity.
- 20) **Monitor should have VGA / USB / DVI port for External Display**
- 21) Wall mount stand should be provided free of the cost with the monitor.
- 22) Quoted model should be European CE (Notified Body)/USFDA approved.

Item No. 30: Split Air Conditioner 2.0 Ton , 5 Star

Item No. 09: A-Type Nitros Oxide Cylinder (Mild Steel)

Medical Nitrous Oxide Cylinder (A Type) Water Capacity (Litres): 5, Volume of gas (cubic meter) contained in a full cylinder:1.74 Minimum Gas weight of a full cylinder :3 kg Should be fitted with pin indexed flush valve for direct attachment to Anesthesia Workstation

Item No. 16: CCTV Camera Surveillance System

(Surveillance Camera set (16 Cameras, 1 DVR set / 32"LED TV)

2. Date extension of Bid:-

Existing Dates		Extended Dates	
Last Date & Time of Online Submission of Bid	Date & Time of Online Opening of Technical Bid	Last Date & Time of Online Submission of Bid	Date & Time of Online Opening of Technical Bid
19.04.2022 6:00 p.m.	20.04.2022 11:00 a.m.	28.04.2022 06:00 PM	29.04.2022 03:00 PM

All other Technical Specification, 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.