

**OFFICE OF THE PRINCIPAL S.M.S. MEDICAL COLLEGE  
& CONTROLLER OF THE ATTACHED HOSPITALS, JAIPUR**

No.-----/F/MC/Store/2020-21

Dated. -----2020

M/s. Avighna solutions,  
Off.no-G-3, Plot No-R-15/A,  
Yudhisthir Marg, C-scheme,  
jaipur-302001

Sub: - Supply and installation of Multipara Monitor High End.

Ref: - E-tender. No.21102-09 Date 18/09/2020 & Your Negotiation Letter Dated 05-10-2020.

On the subject cited above it is inform to you that your offer for supply and installation of Multipara Monitor High End for use in Various medical colleges, Rajasthan (SMSMC Jaipur-20, RNTMC Udaipur-25, SPMC Bikaner-20, MBSSMC Kota-30, JLNMC Ajmer-20, Dr. SNMC Jodhpur-20, JHALAWARMC-15, Total 150 Nos) is here by approved in your favour on the following terms and conditions.

S.No.	Name Of Items	Rate Per Unit	Qty	Total Amount
1.	Multipara Monitor High End	Rs. 3,20,000=00	150	Rs. 4,80,00,000=00

**High end Bedside Multipara Monitors with EtCO2 and IBP**

**General specifications:**

1. The monitor should have Adult, and Pediatrics applications and should be user friendly.
2. The monitor should have an inbuilt & standard capability to monitor ECG, NIBP, Spo2 (Nellcor/Masimo Technology), Dual temperature and dual IBP & ETCO2.
3. The monitor should be modular in design preferably with detachable modular with monitoring of vital parameters with LED screen of 15 inches or more in size will be with colored waveforms. Display of waveform as well as the numbers should be clearly visible from a distance of up to 6-10 feet.
4. The monitor should display of six or more curves at a given time and the operator should be able to arrange curves, graphics and measured value fields as desired on the screen. The operator should be able to freeze the waveforms at will.
5. The color of each individual curve should be freely selectable.
6. It should have an internal battery, which should last for more than two hours.
7. It should be operational at wide temperatures (0 degree to 40 degree and humidity (20% to 90%).
8. Trend data should be 48 hours or more.
9. Should have a facility to deactivate all the alarms if necessary.
10. The monitor should have flexibility of being used as well pole mounted or as transport monitor.
11. The monitor should have touch screen and rotatory knob both.
12. Monitor should have minimum 72 Hrs of graphical and tabular trends and minimum 2hrs of online trend. The graphical & tabular trend should be seen simultaneously.
13. The monitor should have facility for marking various events that may occur during hospitalization. These events should be displayed in the trend.
14. Monitor should have facility to transfer (Download & upload) patients data during patient shifting OR during patient discharge.
15. It will be preferable to have IBP zero facility close to the patient.
16. The monitor should be able to communicate with standard laser printers through USB or through WiFi connection. Print outs should be on A4 pages with minimum of 3 waveform on single page.
17. Should have systolic pressure variation (SPV) and pulse pressure variation (PPV) monitoring capability.
18. Should have split screen facility to see mini trends, ST real time views, spirometry loops.
19. Standard parameters to be provided with all monitors, ECG, Heart rate, respiratory SPO2, ETCO2 side stream/mains stream, NIBP upto 4 IBP and 2 temp simultaneously through integrated module.



20. Monitor should be upgradable to NMT cardiac output, EEG, Spirometry BIS, AGM and venous gas saturation.

**ECG monitoring Essential specifications.**

1. Available leads: I, II, III, V, AVR, AVF, AVL with facility for display and recording of 7 lead ECG.
2. Should display one or all the selected leads at a time.
3. Accuracy of + 1% or + 1 beat/min.
4. Should efficiently filter out the electricity disturbances.
5. Should have ST segment analyzer.
6. Should have arrhythmia monitoring facility.
7. Should have user selectable alarms.
8. Heart rate measured ranges 15-300beats/min.

**Pulse Oximeter(SpO<sub>2</sub>)**

1. Should provide a digital value of the arterial oxygen saturation as well as diagnostic plethysmographic pulse waveform.
2. Measurement range 0% to 100%
3. User selectable upper and lower alarm limits.
4. Standard reusable pulse oximetry probes with sleeves (preferable), latex free, with wrist band and ear sensors for adults, and pediatric use.
5. Should have Masimo/nellcor Technology.

**EtCO<sub>2</sub> monitor:**

1. Should use infrared absorption technique.
2. Mode: low flow side stream/main stream.
3. Range EtCO<sub>2</sub>: 0-99 mm Hg, Ins CO<sub>2</sub> - 0-99 mm Hg.
4. Accuracy: + /- 2 mm Hg at normal readings.
5. Should have an apnea alarm.
6. Should support usage of standard both end luerlock CO<sub>2</sub> sampling line.

**Respiration**

1. Range 4-90 breaths/ min for adult and 4-150 breaths/min for pediatric
2. Accuracy: +/- 2 breaths/min.
3. Should have an apnea alarm.

**Invasive pressure monitoring**

1. Should have the ability to measure and display minimum one invasive pressure value with waveforms.
2. Should display systolic, diastolic and mean pressures simultaneously.
3. Facility to select a smaller scale (10-30 mm Hg), so that the waveform can be magnified to a desired level.
4. User selectable upper and lower alarm limits.
5. Measuring range 00 or less to 300 mm Hg.
6. Accuracy +/- 1 mm Hg to +/- 3mm Hg.

**Non-Invasive blood pressure (NIBP) monitoring:**

1. Range: 10-250 mm Hg for adults and 10-200 pediatric.
2. Auto, Manual, Stat mode. User selectable, automatic time intervals. Should provide over pressure protection.
3. Oscillometric measurement principle.

**Recorder and printer:**

1. Monitor should be equipped with a central monitoring facility, compact thermal recorder with a capacity to record up to all four waveforms together or separately in different combinations as desired.
2. Sweep speed should be adjustable from 25 mm/sec & 50 mm/sec.
3. Should be capable of printing complete contents of the screen. Print screen option.
4. NIBP measurement should be automatic with time interval and manual.
5. ECG-3/5 lead cable around 3 m long and display in 4 sec single trace. It should have facility for freeze ECG and text error messages.

6. It should have Spo2 probe:

- For Adult-2 Nos.
- For Pediatric-2 Nos.

7. It should have NIBP cuff of:

- Adult size -2 Nos.
- Pediatric size -2 Nos.of each

8. Spo2 cable and NIBP cuff tube should be around 3 meter in length.

9. Accessories required to be supplied at time of installation.

**General conditions:**

- All essential accessories required should be supplied for standard function working.
- Should provide IBP Cables and at least 5 Nos, disposable transducers and temperatures probes.
- The unit should be US FDA / European CE certified by a notified body with nando europa site.

**Total without GST**

**Rs.4,80,00,000=00**

**GST@12%**

**Rs.57,60,000=00**

**Total amount with GST**

**Rs.5,37,60,000=00**

**Make- MBS INDIA**

**Model- VENUS**

**Note:-Your quotation Dated 24-09-2020 should meet the Departmental Specifications.**

1. Your offer in addition to above should also be supplied accordingly
2. Please enclose latest price charging certificate,GST Registration certificate & PAN card copy with the invoice.
3. Please mention all items name,make and modal no.on invoice,also mention the name of free items make & model.

**Note: -(1):- Firm will submit an agreement bond on non-judicial stamp paper worth Rs. 1000/- within 05 days and security money Rs.12,00,000=00 in shape of Demand draft/ Bankers cheque/NSC duly pledged /Bank Gurantee/ FDR duly lien by Bank in favor of Principal & Controller as per RTTP Rules 75(e) otherwise FDR will not be Accepted & the bid security (EMD) taken from you shall be forfeited.**

**The terms and conditions are as follows:- (Please insert terms condition in the agreement bond. )**

1. The rates are F.O.R., S.M.S. Medical College, Jaipur & User, Various medical colleges,Rajasthan(SMSMC jaipur-20,RNTMC Udaipur-25,SPMC Bikaner-20,MBSMC Kota-30,JLNMC Ajmer-20,Dr.SNMC Jodhpur-20,JHALAWARMC-15,Total 150 Nos) .
2. Warranty/gurantee of machine with spare parts and all accessories for three years from the date of installation and demonstration of machine.
3. Order should be executed within 15 days otherwise L.D. clause shall be applicable on late delivery .
4. Comprehensive A.M.C. Contract for a period of five years after expiry of Warranty period three years as per our Tender form terms & condition .
5. Please note that condition (S) in addition to or in conflict with the prescribed terms and condition (S) are not accepted, hence such condition (S) mentioned in your tender/offer should be deemed as withdrawn.
6. S.D. will be refunded as per tender documents.
7. The firm will depute their engineer immediately for repair/maintenance during the period of Warranty & CAMC in instances of breakdown .Otherwise as per policy and tender terms and conditions a penalty of @ 10% of the AMC Contract Value per day shall be charged if the firm does not depute their Engineer

- within 72 hours from the intimation during breakdown.
8. Firm Will be bounded for availability of spare parts and consumables if any for a period of minimum 10 years.
  9. The Firm will submit a copy of satisfactory report CAMC/AMC of the concerned instrument at the end of every quarter within the validity period of comprehensive AMC duly signed by the competent authority of the user department.
  10. CAMC means including all spare parts & labor and etc. in all respect as per tender document terms & conditions. departments will not pay any amount in CAMC period exclusive as per agreement.
  11. Please submit pre-installation work requirement if, any within 7 days from receipt of work order.
  12. Jurisdiction will be at Jaipur.
  13. All the terms & conditions mentioned in tender form and RTPP act 2012 & RTPP Rule 2013 will be applicable and part of agremment.

22840-49  
No.-----/F/MC/Store/2020-21

PRINCIPAL & CONTROLLER

Dated. 9/10/2020

Copy forwarded for information and necessary action to :-

1. Principal concern Medical college.
2. PS to ADP(Expdt.) of this college.
3. Superintendent SMS Hospital, Jaipur
4. Financial Advisor of this college.
5. Convener of Technical committee.
6. Moic central store of this college.
7. Moic central store of Concern MC.
8. DDO/cashier of this college
9. Account Section of this college.
10. Storekeeper of this college.
11. Storekeeper of concern MC.
12. I.T.Section of store for uploade on sPPP , Eproc website & concern supdt/PHOD
13. Guard file.

  
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