

Advertised Tender Enquiry

For

1. 9Parameter Monitor
2. High End Ventilator

at

Jawaharlal Nehru Medical College Hospital
AMU, Aligarh.

NIT Issue Date	: 06-07-2018
NIT No.	: JNMCH/CTVS/007/2018-19
Pre-Bid Meeting	: 18-07-2018 at 12:00 Noon
Last Date of Submission	: 06-08-2018 at 01:00 PM
Bid opening	: 07-08-2018 at 01:00PM

Tender documents may be downloaded from university website www.amu.ac.in



Aligarh Muslim University Aligarh

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Medical Superintendent
J.N. Medical College Hospital
A.M.U., Aligarh

Jawaharlal Nehru Medical College Hospital, AMU, Aligarh invites **bids (Technical & Financial)** from reputed, experienced and financially sound Companies/Firms/Agencies for the supply & installation of the **9Parameter Monitor & High End Ventilator** to the J.N. Medical College Hospital, AMU, Aligarh. Those who are in the similar business for the last five years and providing the same service to Central/State Govt./Reputed Private Hospitals or Autonomous Bodies may send their bids both Technical & Commercial in sealed envelopes.

The interested Companies/Firms/Agencies may send their bid complete in all respect along with Earnest Money Deposit (EMD) as mentioned below for each item separately in the form of Demand Draft/Bank Guarantee issued in favour of Finance Officer, AMU, Aligarh, drawn on any scheduled bank payable at AMU, Aligarh and other requisite documents to Medical Superintendent, J.N. Medical College Hospital, AMU, Aligarh-U.P. through registered/speed post. The bids in sealed cover –I containing “Technical Bid” and sealed cover –II containing “Financial Bids” should be placed in a third sealed cover super scribed “Tender for **9Parameter Monitor & High End Ventilator** separately mentioning Tender No. JNMCH/CTVS /07/2018-19 on or before 01:00 PM on 06.08.2018. The bids received after this deadline shall not be entertained under any circumstances whatsoever. In case of postal delay this Institute will not be responsible. The offers submitted by Telegram/Fax/email shall not be considered and no correspondence will be entertained in this matter. The EMD, in case of unsuccessful bidders shall be retained by JN Medical College Hospital, AMU Aligarh till the finalization of the tender. No interest will be paid by J.N. Medical College Hospital, AMU, Aligarh on the EMD.

S.No	Item Description	Qty	EMD (Rs.)
1.	9Parameter Monitor	02Nos.	Rs.40,000.00
2.	High End Ventilator	01No.	Rs.30,000.00

The following documents are to be furnished by the Supplier along with **Technical Bid** as per the tender document:

- i) Signed and scanned copy of valid registration certificate, experience certificate as per the tender notice, PAN, GST registration certificate and Tender Acceptance Letter.
- ii) Signed and Scanned copy of documents like (Earnest Money Deposit)
- iii) Signed and Scanned Copy of Make and model with HSN code of all systems, sub system send additional items should be mentioned in the technical bid and complete technical details should be provided in the form of Brochures and write-ups.

Bids will be opened on 07.08.2018 at 1:00 PM in the presence of bidders or their authorized representatives who wish to participate in the bidding process. If the opening date happens to be a closed day/holiday, the tender will be opened on the next working day.

Any future clarification(s) and / or corrigendum(s) shall be communicated by the Medical Superintendent through the website www.amu.ac.in

Medical Superintendent, J.N. Medical College Hospital, AMU, Aligarh reserves the right to amend or withdraw any of the terms and conditions contained in the Tender Document or to reject any or all tenders without giving any notice or assigning any reason. The decision of the Medical Superintendent, J.N. Medical College Hospital, AMU, Aligarh in this regard shall be final.

Technical Specifications

SPECIFICATIONS FOR 9PARA MONITOR

The monitor should be modular in nature with possibility of future upgradation through plug & play modules which can be used in Operation Theatres, Emergency Departments, ICU's and wards

- At least 19 inch Color TFT LCD/LED display
- High Screen resolution
- Modular slots available with measurement of up to 9 parameters : 12 lead ECG with arrhythmia analysis, SpO2, Respiratory rate, EtCO2, three invasive pressure monitoring, BIS, NIBP, two temperature probes
- Can be mounted on wall
- Touch screen and/ otator knob facility
- Short-cut keys should be provided for ease of operation
- Suitable for adult, paediatric and neo-natal applications
- Audio and Visual Alarms
- Alarm settings can be changed for different parameters
- Three different levels of alarms: High, Medium and Low Priority. Should have user selectable values for each level of alarm
- Lithium Ion Battery with battery status indicators and 4 hours continuous monitoring back up
- Extensive data storage capabilities:
 - >100 Hours of trend data storage capabilities
- Monitor can detect arrhythmias, with storing and reviewing facility
- 5 lead ECG cable provided with different modes of monitoring for ECG: Surgery, Monitor and Diagnostic modes of operation
- Multi-channel ST segment analysis
- Advanced Masimo Technology or its equivalent for spO2 detection.
- NiBP cuffs available for adult, paediatric and neonate patients, and wide measuring range and mode of measuring: Oscillometric
- Pulse rate measurement with accuracy of +/- 3 bpm
- WAN communication compatible
- Should be upgradable module for Cardiac output measurement using thermo dilution method
- Should be upgradable to continuous non invasive arterial pressure monitoring
- Should be CE/US FDA approved

Scope of Supply

- SpO2 probe – adult, pediatric and neonatal – one each
- NIBP cuff – adult, pediatric and neonatal – one each
- IBP transducer set – 20
- 5 lead ECG – one
- Temperature probe – 2
- EtCO2 attachment – 3

GENERAL SPECIFICATIONS FOR HIGH END VENTILATOR

- Must be microprocessor/computer controlled ventilator.
- Should be usable for Adult and Pediatric patients.
- Should work on electrical sources: External AC and internal battery rechargeable battery backup for at least 60 minutes for the main unit.
- The ventilator should be compressor driven. The ventilator trolley mount compressor should be (External) of same make OR OEM and it must be US FDA Approved product.
- The Ventilator must run on both the air compressor unit and/or on central pipeline air supply (60psig) if available.
- Must have an integrated color touch screen of not less than 12" in size, showing all the set ventilator and patient parameters, scalars, loops, mechanics etc. on clear display. The color touch screen should have the facility for tilt & rotate for better viewing.
- Should have external interface with RS 232 serial port of VGA for Live LCD projection (shall be used for teaching purpose)

OXYGEN SUPPLY

- Must have in-built O2 blender with sensor with display for set and delivered O2 concentration.
- Should provide O2 enrichment @ 40 to 60 psi o2 supply source with alarms for low or high pressure supply.
- Should have provision to work on both pipeline O2 or air supply and high pressure O2 cylinder based supply.

MODES OF VENTILATION

- Should have Assist Control and SIMV modes, in both pressure and volume modes.
- Should have provision of Noninvasive ventilation with leak compensation at all user set pressure values.
- Should have additional modes such as Pressure Regulated Volume Control (PRVC), APRV, Volume Support, Bilevel with PS & spontaneous Breathing Trial and any other advance modes specific to manufacturer.
- Must have provision for all the following:
 - a. Automatic Tube Compensation for ET tube.
 - b. CPAP (0-40 cm H20)
 - c. Back-up Apnea ventilation
 - d. 100% oxygen for a period of two minutes before disconnection for suctioning or other procedures.

SETTING OF VENTILATOR:

- Should have the at-least the following range of settings.
 - a. Should be able to be programmable for Adult & Pediatric separately on switching on the equipment
 - b. Setting of modes should be user friendly and have volume based and pressure based modes separately, along with provision for noninvasive ventilation
 - c. Settings should be user friendly-com wheel or touch screen based
 - d. Tidal volume from 20 – 2000 ml (in volume Control Mode)
 - e. Respiratory rate- upto 120 bpm
 - f. PEEP- 0 to 50 Cm H2O
 - g. Fio2- 21 to 100%
 - h. Pressure support- 0 to 50 cmH2O
 - i. Rise time 0 – 2 secs in fraction of 0.1 sec or in %age steps which could be manufacturer specific
 - j. Inspiration time 0.1 to 5 secs
 - k. Apnea time interval setting from backup ventilation when in spontaneous mode
 - l. Flow 0 to 180 L/min or more
 - m. I:E ratio- 4:1 – 1:9.
 - n. Trigger flow and pressure with sensing from 0.5 -8 L/min and -0.5 to -10 cmH2O as selected by the user

