Advertised Tender Enquiry

For

1. EEG System
2. Invasive Mechanical Ventilator

at

Jawaharlal Nehru Medical College Hospital
AMU, Aligarh.

NIT Issue Date : 06-07-2018
NIT No. : JNMCH/Medicine/06/2018-19
Pre-Bid Meeting : 17-07-2018 at 12:00 Noon
Last Date of Submission : 07-08-2018 at 01:00 PM
Bid Opening : 08-08-2018 at 01:00PM

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

Aligarh Muslim University Aligarh
Office of the Medical Superintendent
JN Medical College Hospital
AMU Aligarh 202002
e-mail: jnmedicalpurchase@gmail.com
Tender for Medicine Equipment

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 EEG System & Invasive Mechanical 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” separately mentioning Tender No. JNMCH/Medicine/06/2018-19 on or before 01:00 PM on 07.08.2018. 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.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Item Description</th>
<th>Qty</th>
<th>EMD (Rs.)</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>EEG System</td>
<td>01</td>
<td>Rs.28,000.00</td>
</tr>
<tr>
<td>2</td>
<td>Invasive Mechanical Ventilator</td>
<td>02</td>
<td>Rs.34,000.00</td>
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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 08.08.2018 at 01:00 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/holidays, 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 of EEG System

**Amplifier:**

- a. 32 Channel Amplifier with inbuilt SPO2 having at least 8 channels configurable as bipolar AC and at least 1 channel for DC to connect external devices.
- b. CMRR should be > 115 dB or better
- c. Noise < 1.5μV peak to peak
- d. Input Impedance > 100 M ohm
- e. 16 bit ADC resolution or better
- f. Channel Crosstalk < -40 dB
- g. Sampling Frequency : 2000 Hz
- h. Should have facility to extend the amplifier electrode connection to small headbox so that patient can carry the electrode box to washroom, if required.
- i. USB Microphone, should work without batteries.

**Acquisition Software:**

- a. Facility to combine all user defined settings into templates or protocol, for use in different applications.
- b. Facility for Individual Channel Control, Customization of Montages, along with Remontage Capabilities.
- c. Facility to define new Sensors should be possible i.e assign to amplifier inputs, define traces in a montage, define calculated channels (Average, Source), or define trends.
- d. Facility to click any point to display corresponding traces & Slide pointer to change displayed duration of the Overview.
- e. Facility for sortable list of all events placed in the recording, both automatically and manually.
- f. Facility to review and add events to recorded traces.
- g. Facility for automatic time counters and event insertion during Hyperventilation.
- h. Facility to controlled display Sensitivity for User defined value.
- i. Facility to choose Low & High Cut Filters along with facility to enter any user defined value.
- j. Facility of configurable Time Base.
- k. Paging facility as Automatic Paging, Mouse controlled Paging and/ or Keyboard Paging.
- l. Playback of EEG for one or more channels.
- m. Facility for Zoom/ Magnify EEG trace.
- n. Facility for Copy & Paste of EEG or Trends to reports and presentations
- o. Facility for Automatic generation of reports.
- p. Facility for viewing several recordings in tiled or cascading windows.
- q. Facility to archive to CD or DVD, powerful search, and patient folder.
- r. Continuous impedance testing of electrodes during acquisition video data editing capabilities with and without EEG data.
- s. EEG video data recording facility on CD / DVD in readable format on other PC’s without use of special software.

**Photic Stimulator:**

- a. Should be strictly based on White LED, FDA approved for medical EEG use.
- b. Photic Stimulator with software programmable for manual or automatic sequences.
- c. Pole Stand from manufacturer to be supplied for sturdy fixation.
Video Camera:

Sony / Panasonic Video Camera for recording video with below specs.
   a) 1/4 TYPE 380K PIXEL EXVIEW HAD CCD.
   b) WIDE RANGE PAN/ TILT: 340 DEGREES PAN /120 DEGREES TILT
   c) HIGH ZOOM RATIO AF LENS: 18X OPTICAL + 12 X DIGITAL
   d) EXCELLENT LOW LIGHT SENSITIVITY: ILLUMINATION LESS THAN 1 LUX.
   e) E FLIP FUNCTION
   f) FULLY REMOTE CONTROLLABLE
   g) AUTO ICR FUNCTION
   h) AUTO FOCUS
   i) ALARM FUNCTION

Accessories for the units must include:

   a. EEG Cup Electrodes Gold Plated – 200 Pcs.
   b. EEG Paste – 10 Jar Gms
   c. Skin Prepping Gel – 10 Tubes of 114 Gms

Patient Data Management:

SQL Based Patient information database and data management, Role Based user management folders with audit trial for technicians, physicians and administrator.

Recording Computer:
Latest branded Core i7 processor with 8 GB RAM or better, 4 TB SATA HDD, DVD Writer, Optical mouse, 19” flat panel TFT, Laser Printer, UPS, optical mouse, key board.
Good Quality Metallic Trolley with Caster.

Compliance / Regulatory Standards:
The quoted model must be Strictly CE European and US FDA.

Warranty: 5 years
Technical Specifications of Invasive Mechanical Ventilator

1. Latest state of art technology Suitable for Adult, Paediatric, Neonatal & LBW babies.
2. Modes of Ventilator, CMV (A/C), SIMV, PCV, SPONT, NIV, APRV, BIPAP, VS , nCPAP & HFNC (HFNC O2 Therapy price quoted separately).
3. Ventilator must have dual mode like PRVC/Auto flow for Volume Guarantee.
4. "Ventilator should have advance mode ASV/Smart care/Automode, which provide automatic change of Modes from Volume Control to Volume Support Vic versus and Pressure Control to Pressure Support Vic versus"
5. Have Pulmonary Function Assessments (P-V Tools) provision to have idea for optimum PEEP and lung recruitment.
7. Should have inbuilt Volumetric CO2 Monitoring with facility to display monitored/calculated parameters like: VtiCO2, VteCO2, Vd alve, etc.
8. monitored/calculated parameters like: VtiCO2, VteCO2, Vd alve, etc.
9. Should be upgradable with Heliox Therapy with required accessories.
10. Should have Simultaneous on screen display of at least 4 waveforms and 2 loops.
11. Should have following user Control Settings/Selections:
   a). Tidal Volume: 5ml-2000 ml and should be suitable/approved for use on Preterm/Lower birth weight from 500gm onwards.
   b). I:E Ratio : 1:5 to 4:1,
   d). P ramp: 30-150 ms or in steps 1-9.
   e). Flow: 1-120 L/min with automatic support upto 180lpm for spontaneous breaths.
   f). Apnea time: 15-60 s
   g). Expiratory Trigger Sensitivity: 10-70% of peak flow (Manually adjustable)
   h). Flow Trigger: 0.1 to 10 lpm.
   i). Pressure Trigger: 0.5 to 15 cmH2O.
   j). Rate: 1-120 b/min, Flow Patterns: Square, 100% decelerating, 50% decelerating.

12. Ventilator should be able to monitor following parameters
   a). Real-time airway pressure
   b). Mean airway pressure
   c). Plateau airway pressure
   d). Positive-end expiratory pressure/cont. positive airway pressure
   e). Real time inspiratory/expiratory flow
   f). Peak Flow.
   g). Peak expiratory Flow
   h). Real-time set tidal volume/exp.T.V.
   i). Leakage %
   j). Inspiratory/Expiratory ratio
   k). Spontaneous breathing frequency
l). Inspiratory time
m). Expiratory Time
n). Percentage of spontaneous breathing rate every hour/8 hour.
o). Static compliance
p). Airway occlusion pressure
q). Auto PEEP or intrinsic PEEP
r). Expiratory time constant
s). Vital Capacity.
t). Imposed work of breathing
u). FiO2
v). End-tidal CO2 partial pressure
w). CO2 Elimination
x). Airway dead space

13. Should have Visual representation of ventilator dependency, grouped into oxygenation, CO2 elimination, and patient activity.

14. Supplied with the total two reusable autoclavable patient circuits for Adult & paediatric patients separately and two autoclavable expiratory valve/ autoclavable expiratory cassette.

15. Supplied with inbuilt inspiratory Synchronized Nebulizer.


17. Should have internal battery backup more then 1 hour for Ventilator only.

18. Machine should have up to 72 hours of trends for the all the monitored parameters.

19. Should have Storage of 1000 events with the time and date stamp.

20. Should have inbuilt connecting facility to connect through one of the Ethernet, USB, Compact Flash DVI with VGA Output etc.

21. Ventilator should be HL7 compatible & ready for interface to institute’s HIS systems, whenever implemented.

22. Machine should have the Internal or External compressor (Turbine Model not accepted) of the same make as of ventilator and its price should be quoted separately.

23. Machine should have facility of Servo Controlled humidifier and its price should be quoted separately, to remain valid for minimum 12 months.

24. Machine should have alarms for Low/high minute volume exhaled, low/high pressure, low/high tidal volume, low/high rate, apnea time, low/high ETCO2, %leak, oxygen concentration, disconnection, loss of PEEP, exhalation obstruction, high PEEP alarm, flow sensor alarms, power failure. Low Gas Pressure.

25. Ventilator should be supplied with autoclavable Flow Sensor and O2 Sensor both should be covered under warranty during guarantee period as well as during CMC period from 6th – 10th year. And none of these will not be considered as consumable.

26. Ventilator must include OEM trolley & circuit support arm with lockable wheels.

27. Ventilator as well as compressor should be both US FDA and CE European approved.
Terms & Conditions:

1. The quoted rates must be valid for a period for 180 days from the date of closing of the tender. The over all offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, he same will be treated as unresponsive and it may be rejected. In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and the earnest money deposit shall be forfeited without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required, without changing any terms, conditions etc. of their original tender.

2. No overwriting or cutting is permitted in the rates. If found, quotation shall be summarily rejected.

3. The Equipment/System/Instruments should be USFDA/CE European approved product.

4. PRE-BID meeting with the intending bidders shall be held on 17.07.2018 from 12:00 Noon onwards in the Office of the Medical Superintendent, J.N. Medical College Hospital, AMU, Aligarh. All the prospective bidders are requested to send comments/representations on or before pre-bid meeting. Intending bidder will be allowed to seek clarification on specification, Conditions of Contract/Tender, etc. in writing to J.N. Medical College Hospital, AMU, Aligarh, within 48 hours after the pre-bid meeting.

5. The goods ordered shall be delivered and installed at the J.N Medical College Hospital, AMU, Aligarh, within 30 days from the date of issue of supply order.

6. All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier. If the supplier fails to deliver, install and commission the goods on or before the stipulated date, then a penalty at the rate of 0.5% per week of the total order value shall be levied subject to maximum of 10% of the total order value. The successful tenderer will also provide required training for supplied items at the J.N. Medical College Hospital, AMU, Aligarh. The goods should be manufactured after adoption of latest technology.

7. In the case of package supply where the delayed portion of supply materially hampers installation and commissioning of the systems, liquidated damages charge shall be levied as above on the total value of the concerned package of the purchase order. Quantum of liquidated damages assessed and levied by the purchaser shall be final and not challengeable by the supplier.

8. The supplier shall be required to perform the following services:
   a. Installation & Commissioning, Supervision and Demonstration of the goods.
   b. Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
   c. On Site Training to Doctors/Technicians/Staff is to be provided by Supplier for operation and maintenance of the equipment for a period of 30 working days after successful installation of the machine, as per direction of user department.
   d. Supplying required number of operation & maintenance manual for the goods.
   e. To provide non-locked open software and standard interface inter-operability conditions for Networked equipment’s in hospital management information system, wherever applicable.

9. The separate price list of all accessories and consumables, if any, must be attached/enclosed along with the Financial Bid.

10. After sales service should be available on 24 (hrs.) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 24hrs to ensure an uptime of minimum 95%,
Tender for Medicine Equipment

wherever applicable, failing which the necessary penalty measures shall be enforced.

11. The J.N. Medical College Hospital, AMU, Aligarh shall have the right to inspect and/or to test the
to confirm their conformity to the NIT Specifications at no extra cost to the Purchaser. Medical
Superintendent, J.N. Medical College Hospital, AMU, Aligarh, shall be the final authority to reject
full or any part of the supply which is not confirming to the specification and other terms and conditions.
No payment shall be made for rejected Stores.

12. The bidder shall provide a list of major Government and Private Institutions where its relevant
bid item has been supplied during last two years.

13. The bidder (if not original equipment manufacturer must submit Original Equipment
Manufacturer authorization certificate that the tenderer is authorized for selling and maintain
the equipment quoted for.

14. The bidders are required to submit user certificate for the relevant equipment on the letter head
of the institution (Government/ Private).

15. The successful bidder will be required to submit order copies of the supply of the equipment in
Government Institutions in last 24 months for rate reasonability purpose.

16. The supplier shall make arrangements for insuring the goods against loss or damage incidental
of manufacture or acquisition, transportation, storage and delivery. If the equipment is not
commissioned and handed over to J.N. Medical College Hospital, AMU, Aligarh, within
specified period, the insurance will have to be extended by the supplier at their cost till the
successful installation, testing, commissioning and handing over of the goods to the J.N.
Medical College Hospital, AMU, Aligarh.

17. The bidder supplying equipment/goods or already imported goods shall quote the price only in
Indian Rupees. Further, imported goods to be imported and supplied by the bidder are also
required to be quoted in Indian Rupees and F.O.R. JNMC Hospital.

18. Please mention CGST/SGST or other taxes clearly & separately which will be payable on the
goods in India.

19. The price of Annual CMC Financial Bid after warranty period must be mentioned clearly.

20. 100% payment of the total order value shall be released only after the successful
installation/Commissioning of the ordered goods/equipment against the submission of the
inspection report. No advance payment is possible.

21. The Tenderers must quote for 05 years comprehensive warranty including all Spares,
Accessories and Labour) from the date of completion of the satisfactory installation. The
warranty charges shall not be quoted separately. Also the bidders are requested to submit their
quote (Rates) for subsequent 05 years Comprehensive Maintenance Contract (CMC)
(Including All Spares, Accessories and Labour).

22. During the comprehensive warranty period, the guarantee up time of 95% of 365days will be
ensured. In case the down time exceeds the 5% limit penalty of extension of guaranty period by
two days for each additional day of down time will be forced. The vendor must undertake to
supply all spares for optimal up keep of the equipment for atleast FIVE YEARS after handling
over the unit to the Institute. If accessories / other attachment of the system are procured from
the third party, then the vendor must produce cost of accessory/other attachment and the CMC
Tender for Medicine Equipment

from the third party separately along with the main offer and the third party will have to sign the CMC with the Institute if required.

23. The principal or their authorized service providers are required to submit a certificate that they have satisfactory service arrangement sand fully trained staff available to support the uptime guarantee.

24. **Arbitration:** If any difference arises concerning this agreement, its interpretation on payment to the made there- under, the same shall be settled out by mutual consultation and negotiation. If attempts for conciliation don’t yield any result within a period of 30 days, either of the parties may make a request to the other party for submission of the dispute for decision to the sole arbitrator i.e. Vice-Chancellor, AMU, Aligarh, or his nominee. The decision of the sole arbitrator shall be binding on parties. The venue of arbitrator will be at Aligarh.

25. **Subletting of Work:** The firm shall not assign or sublet the work/job or any part of it to any other person or party without having first obtained permission in writing of J.N. Medical College Hospital, AMU, Aligarh, which will be at liberty to refuse if thinks fit. The tender is not transferable. Only one tender shall be submitted by one tenderer.

26. **Breach of Terms and Conditions:** In case of breach of any terms and conditions as mentioned above, the Competent Authority will have the right to cancel the Purchase order/work order/job without assigning any reason thereof and nothing will be payable by J.N. Medical College Hospital, AMU, Aligarh, in that event the security deposit shall also stand forfeited.

27. **In solvency etc:** In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other order under the Insolvency Act made against them or in the case of any company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions here in specified, the Medical Superintendent, J.N. Medical College Hospital, AMU, Aligarh shall have the power to terminate the contract without any prior notice.

28. Bidder shall submit a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.

29. The quantity of item given in the tender is tentative, which may be increased or decreased as per the requirement of the hospital.

30. Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid.

31. Conditional bid will be treated as unresponsive and it may be rejected.

32. **Demonstration:** The J.N. Medical College Hospital, AMU, Aligarh reserves the right to ask the tenderers for arranging demonstration of their equipment for which rates have been quoted to the concerned committee, if required.

33. The hospital reserves the right to accept in part or in full or reject any or more tender(s) without assigning any reasons or cancel the tendering process and reject all tender(s) at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).
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34. **Applicable Law:**
   - The contract shall be governed by the laws and procedures established by Govt. of India within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings/processing.
   
   - Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Aligarh Uttar Pradesh, India only.

   - The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Aligarh. The decision of the Arbitrator shall be final and binding on both the partied.

Medical Superintendent
J.N. Medical College Hospital
J.N. Medical College Hospital
A.M.U. Aligarh
Annexure-I

TECHNICAL BID

<table>
<thead>
<tr>
<th>Name of Firm/Contractor/Supplier</th>
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<tr>
<td>Complete Address &amp; Telephone No.</td>
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<tr>
<td>Name of Proprietor/Partner-Managing Director/Director.</td>
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<td>Phone No:-</td>
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<tr>
<td>Mobile No:-</td>
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<td>Email Id:-</td>
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| Name and address of service centre nearby J.N. Medical College Hospital, AMU, Aligarh |
| Whether the firm is a registered firm Yes/No (attached copy of certificate). |
| PAN No. (enclose the attested copy of PAN Card). |
| Service Tax No. (enclose the attested copy of Service Tax Certificate). |
| GST No. (enclose the attested copy of CGST/SGST Certificate). |
| Whether the firm has enclosed the Bank Draft/Pay Order/Banker's cheque of Earnest Money Deposit. |
| Whether the Firm/Agency has signed each and Every page of Tender/NIT. |
| Please provide full list of consumables. |
| Any other information, if necessary. |

Authorized signatory of the bidder with seal.
Annexure –II

MANUFACTURER’s / PRINCIPAL’s AUTHORIZATION FORM

TO,
Medical Superintendent
JN Medical College Hospital
A.M.U. Aligarh.

Sir,

TENDER: ........................................................................................................................

We, ................................................................................................................................., who are

Established and reputable manufacturer of ................................................................., having

Factories at ......................................................................................................................hereby

Authorize M/s ..............................................................(name and address of agents)

to bid, negotiate and conclude the contract with you against Tender

No.............................................................for the above goods manufactured by

us. No. Company or firms or individual other than M/s ................................................are

authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

We hereby extend our full guarantee and warranty as per the conditions of tender for the goods offered for

supply against this tender by the above firm.

The authorization is valid up to ..........................................................

Yours faithfully,

(Name)

For and behalf of M/s ..........................................

(Name of manufacturers)/Principal