ADVERTISED TENDER ENQUIRY

for the purchase of Adult/Paediatric ICU Ventilator

at
Jawaharlal Nehru Medical College Hospital
AMU, Aligarh.

NIT Issue Date : 23-10-2018
NIT No. : JNMCH/Med/014/2018-19
Pre Bid Meeting : 01-11-2018 at 2:30 PM
Last Date of Submission : 13-11-2018 at 01:00 PM
Bid Opening : 14-11-2018 at 1:00 PM

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

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 Adult/Paediatric ICU Ventilator to the J.N. Medical College Hospital, AMU, Aligarh. Those who are in the same 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/Med/014/2018-19 on or before 01:00 PM on 13.11.2018. 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>
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<tbody>
<tr>
<td>1</td>
<td>Adult/Paediatric ICU 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 14.11.2018 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/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 for Adult/Paediatric ICU Ventilator

1. Should be a microprocessor controlled ventilator with minimum inbuilt 8'' colour TFT touch screen integrated graphics and easy to use rotary knob operation providing support to Adult and pediatric. Also ventilator should have option for upgradable to Neonatal ventilation tidal volume 2ml to 300 in case of requirement in hospital.

2. Ventilator should have air supply integrated ultra-quiet turbine from the same manufacturer no OEM.

3. Should be based on reliable flow measuring technology, preferably proximal flow sensor which ensures the most precise flow and pressure measurements for better patient assessment for all patient range.

4. Ventilation modes:
   Pressure Control: PCV, PSIMV, SPONT
   Volume Control: CMV, SIMV
   Noninvasive: NIV with option of rate and TI setting.
   Should be upgradable to Nasal High Flow Oxygen Therapy 2 to 80 ltr/pm and firm should quote rate in optional for future upgradation.

5. Ventilator should have close loop ventilation mode ASV (Compulsory)

6. Apnea Back-up and any other mode for safe ventilations offering both volume guarantee & lung protective strategies like volume limit etc.

7. Controls: Tidal volume 20 to 2000 ml in Volume Control Mode or better

8. Respiratory rates 4 to 80 BPM or better,

9. Peak flow upto 260 lpm or better

10. Trigger sensitivity: - Flow 1 to 20 l/min

12. PEEP: 0 to 35 cm H2O or better.

14. FiO2: 21 to 100 %.

15. I: E ratio 1:9 to 4:1 (DuopAP/BiPAP/BiPhasic 1:599 to 149:1)

16. Inspiratory time (TI) 0.1 to 12 s

17. Pressure control 5 to 60 cmH2O, added to PEEP/CPAP

18. Pressure support 0 to 60 cmH2O, added to PEEP/CPAP

19. Pressure ramp 0 to 2000 ms

20. Expiratory trigger sensitivity (ETS) 5% to 80% of inspiratory peak flow

21. Should have facility of Manual breath, O2 enrichment, standby, screen-lock, apnea backup ventilation, inspiratory hold, screen-shot, suctioning tool, dimmable screen, configurable Quick start-Settings, startup settings based on patient height and gender, integrated pneumatic nebulizer, O2 consumption display

22. Facility to permanently deactivate the O2 alarm, if the O2 cell is depleted or defective.

23. Ventilator should have integrated nebulizer synchronized with inspiratory cycle.

24. Alarms: low/high Minute Volume, Low/high Pressure, Low/high tidal volume, low/high Rate, Apnea time, low/high oxygen, Oxygen concentration, disconnection, loss of PEEP, exhalation obstruction, flow sensor, power supply, batteries, gas supply.
   Alarm Loudness: Adjustable (1 – 10), configurable minimum loudness

25. Display: Should have Real-time visualization of the lungs with representations of tidal volume, lung compliance, resistance, and patient activity

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

27. Should display at least 30 monitoring parameters including exhaled tidal volume, Breath rate, I: E ratio, FiO2, Peak Pressure, Mean Airway Pressure, etc...

28. Source input pressure of oxygen: 40 to 60 psi also facility for input low pressure O2.

29. Should work with double limb/ single limb patient circuit both reusable & disposable.

30. Complete with Reusable Silicon Breathing circuits (1 Nos. each) for Pediatric & Adult, autoclavable
   Expiratory valve complete. The complete unit must be mounted on a pedestal stand / for easy movement of the complete ventilator within hospital original from the same manufacturer no OEM.
<table>
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<tr>
<th>Tender for Medicine Equipment</th>
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<tr>
<td>31. Ventilator should be supplied with disposable flow sensors/ expiratory valve (10 nos) for Adult and Pediatric Patients with each ventilator.</td>
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<tr>
<td>32. Internal rechargeable battery with minimum operating time of at least 3 hours for complete Ventilator including external air compressor/inbuilt turbine</td>
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<tr>
<td>33. Ventilator should also have option for upgradation of inbuilt volumetric mainstream ETCO2 and SPO2 and firm should quote rates in optional for future upgradation.</td>
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<tr>
<td>34. Should have Interface connectors USB, RS-232</td>
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<tr>
<td>35. Ventilator should have facility of maintaining automatic cuff pressure for Adult, Pediatric patients and firm should quote rate in optional for future upgradation</td>
</tr>
<tr>
<td>36. Ventilator should be US FDA or European CE with four digit notified body number certificate and certificate to be submitted.</td>
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<tr>
<td>37. Vendor should provide 3 years warranty on ventilator and compressor/turbine.</td>
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<tr>
<td>38. Firm should quote CMC/AMC rates for next 5 years.</td>
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<tr>
<td>39. Firm should quote rates for consumables like Oxygen cell, filters, battery, Flow Sensor, for routine working of ventilator.</td>
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Tender for Medicine Equipment

Terms & Conditions:

1. The quoted rates must be valid for a period for 180 days from the date of closing of the tender. The overall 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 01.11.2018 from 2:30 PM 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 JN 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 item sat 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 interoperability 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%, 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 365 days 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 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 and 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 a 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).
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 parties.

(Signature)  
(Medical Superintendent)  
J.N. Medical College Hospital  
A.M.U., Aligarh
### Annexure-1

**TECHNICAL BID**

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

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 ........................................ and .......................................................... 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