

Advertised Tender Enquiry

For

Anaesthesia Workstation

at

Jawaharlal Nehru Medical College Hospital AMU
Aligarh.

NIT Issue Date	:	19-12-2018
NIT No.	:	JNMCH/Ophth/15/2018-19
Pre-Bid Meeting	:	29-12-2018 at 2:30PM
Last Date of Submission	:	08-01-2019 at 12:30PM
Bid opening	:	09-01-2019 at 11:AM

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



Aligarh Muslim University Aligarh

Office of the Medical Superintendent

JN Medical College Hospital

AMU Aligarh 202002

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Medical Superintendent
J.N. Medical College Hospital
AMU 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 **Anaesthesia Workstation** 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 **Anaesthesia Workstation** separately mentioning Tender No. **JNMCH/Ophth/15/2018-19** on or before 12:30 PM on 8.01.2019. 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.	Anaesthesia Workstation	01No.	Rs.25,000.00

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 09.01.2018 at 11:00 AM 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.

Specification for Anaesthesia Workstation

1. General Requirement

- a) Compact and modular, three gas Anaesthesia workstation with an integrated piston ventilator for adult to infants.
- b) The machine should be suitable for low and minimal flow anesthesia application with compliance compensation of breathing ckt, fresh gas flow compensation/ decoupling.
- c) The system should have upto 60mins. battery backup
- d) System should confirm to European CE and EN 60601-2-13 (Requirement for safety and essential performance of anaesthesia system)

2. Gas delivery system

- a) Should have pin index yokes for Oxygen & Nitrous Oxide besides separate connection for Central gas supply for Oxygen, Nitrous Oxide and Air.
- b) The machine should have pressure gauges for cylinders & central supply lines mounted on front of Anaesthesia machine for better visibility.
- c) The system should be suitable to use at minimal flow upto 700ml fresh gas setting.
- d) Automatic cutoff of N₂O by Oxygen pressure failure.
- e) Hypoxic guard for linear regulation of minimum oxygen concentration at 23% volume
- f) To ensure patient safety minimum Oxygen flow of 200 ml at low fresh gas flow settings even below total 500 ml fresh gas flow
- g) Audible visual oxygen failure alarm.
- h) Emergency Oxygen flush at 30 – 70 L/min bypassing the vaporizer.
- i) Ambient air ventilation in case of total gas supply failure

3. Flow meter

- Dual Cascade type flow meter tubes for Oxygen & N₂O. Range 20 ml / min to 10 Lit/min. Calibrated in multiple scales. Single tube for air 100 ml to 14 L/ min.

4. Vaporizer

- Machine should have possibility to mount two quick mount type vaporizer for easy interchangeability, and safety with interlock facility.
- Should be provided with a Temperature / pressure compensated and flow independent
- Should be capable of connecting Vaporiser. for Isoflourane / Sevoflourane / Halothene / Desflorane Vaporizer
- should have extended delivery range from 0 to 6 Vol. %
- The vaporiser should require no calibration in its life time.

5. Breathing System

- Should have fresh gas de-coupled semi closed circle absorber system.
- Should have adjustable pressure relief valve from 5 to 75 mbar.
- Should have change over from Spontaneous to Bag ventilation with single step.
- Should have compact breathing system with approx 1.7 Ltr. Volume capacity.
- Should have an external fresh gas outlet for connecting Magill or Bain's circuit
- The system should have integrated breathing system warmer to prevent condensation in breathing system and patient comfort (to prevent delivery of dry fresh gases to lungs or mucocilliary transport of fresh gas)
- The device should have port for anaesthesia gas scavenging system.

6. Anaesthesia Ventilator

- The system should have inbuilt ventilator with electronically controlled and pneumatic or Piston driven technology.
- Should have minimum screen size of 6".
- Modes: Manual/Spont, Volume controlled, Pressure controlled, , SIMV/PS,
- The same ventilator should be capable to be upgrade to pressure support.
- Tidal Volume : 20 ~ 1400 ml
- PEEP : 0 ~ 20 mbar
- Breathing Frequency : 4 to 60 BPM
- I:E Ratio : 4:1 to 1:4
- Inspiratory pause : 0 – 50% of T_i
- Should have Desflurane compensation.
- Should be able to ventilate with atmospheric air, in case of total gas supply failure.

