

# Notice Calling Tender

OFFICE OF THE SUPERINTENDENT  
J.N. MEDICAL COLLEGE HOSPITAL  
ALIGARH MUSLIM UNIVERSITY,  
ALIGARH

No. Ext 2120 /MCH/SHAKEB

Dated 01/2/2018

M/s.....

Sealed Quotation/Bids (one Technical and one Financial separately) are invited from Manufacturer or their authorized dealers for the following items which should be sealed by the tenderers in separate covers duly super scribed and both these sealed covers are to be put in a bigger cover, which should also be sealed and duly super scribed, on the terms and conditions as mentioned on Page No.2

Quotation should reach this office on or before 15/02/2018 by 3:00 PM.

## VENTILATOR FOR NEONATAL-PEDIATRIC INTENSIVE CARE UNIT

### **Specification for Intensive Care Ventilator :**

1. Advanced Multi-Microprocessor controlled ventilator with integrated facility for ventilation Suitable for neonatal to adult category patient.
2. Standard –USFDA / European CE Approved.
3. Display should be more than 10” inch LCD/TFT inbuilt color screen.
4. Should display atleast 2-waveform & 2-loop on the screen.
5. Suitable for continuous use in ICU for therapeutic application on external hospital’s compressed piped air & oxygen supply (not on inbuilt turbine /Blower/piston technology or any modification thereof). Ventilator should continue to run on one of the two sources.
6. Should supply with reusable, Pneumatic, Independent of flow, Nebuliser. It should produce uniform particles size.
7. Should supply with heated wire active humidifier with adult reusable chamber. (MR850) or equivalent or USFDA approved.
8. The Ventilator Should supply with a permanent/Non consumable O2 sensor for fio2 Monitoring, in case consumables same should be provided free of charge atleast for 5years.
9. Should have heated covered Expiratory valve/Cassette to minimize condensation.
10. Power input to be 220-240VAC, 50Hz
11. Should have inbuilt battery backup atleast 120min for ventilator including air compressor turbine.
12. Should have Numerical & Graphical Trend data of set & exhale parameters for 48hrs.
13. Should provide ET-Tube Resistance & leak compensation.
14. **Should have following modes of ventilation.**
  - a) A/C Volume and pressure controlled modes.
  - b) SIMV (Pressure controlled and volume controlled) with pressure support.
  - c) Spontaneous modes like CAPAP/PEEP
  - d) Bilevel/BIPAP
  - e) Advanced mode like pressure controlled volume guaranteed/Dual modes/PRVC/Auto flow/ASV Smartcare/NAVA/PAV any one of this .
  - f) Non-invasive ventilation for Adult/Ped & Ncpap for Neonatal patient
15. **Should have following setting Parameters**
  - a) Tidal volume : Minimum 2ml and Maximum of 2000ml or more in volume control.
  - b) PEEP Upto 50cm H2O or more
  - c) Pressure support upto 60cm H2O
  - d) Flow Pattern : Square, Decelerating
  - e) Respiratory rate upto 150bpm with >200-240LPM or more peak flow

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

