

Notice Calling for Quotation/Tender

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

No. Ext 1637 /MCH/SHKB

Dated 22/12/2018

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.02

Quotation should reach this office on or before 07/01/2019 by 12:00Noon. & will be open on 08/01/2019

Specification for Transport Ventilator

1. The ventilator should be a turbine operated, with in –built touch screen display of minimum 8”, small in size and weight should less than 5Kg.
2. The ventilator should have the following modes for INVASIVE as well as NON-INVASIVE Ventilation, both with dual limb or single limb patient circuit :
 - Pressure support ventilation –PSV with option for –Apnea back up ventilation (ventilator must have selection of volume and pressure cycle selection during Apnea back up ventilation) & pressure support ventilation with minimum breaths/min setting.
 - Pressure support, pressure control /Assisted pressure control with tidal volume security-PSV, PCV, APCV + Vt security.
 - Volume controlled ventilation –CV & Assisted volume control ventilation-ACV
 - Pressure control ventilation-PCV & Assisted pressure control ventilation-APCV
 - Inverse ration ventilation –IRV with I:E setting.
 - (S) IMV with pressure support SIMV + PS & (S)IPPV with pressure support –SIPPV +PS CPAP.
 - All above models should be possible to be used NON-INVASIVELY also. Device must have an algorithm to detect and compensate leak and detect the trigger without compromising the performance.

Ventilator must have following real time monitored parameters.

- Breathe rate
 - Inspiratory and Expiratory time
 - I:E ratio
 - Inspiratory and Expiratory tidal volume
 - Minute Ventilation
 - Spontaneous (Patient triggered breath's) minute volume
 - Total PEEP
 - Peak pressure, Mean pressure
 - FiO2
3. It should be able to work with low pressure oxygen supply.
 4. It should have a maximum inspiration time of 3 seconds.
 5. Both pressure and flow trigger setting should be possible individually.
 - The trigger reactiveness shouldn't be more then 40msec.
 - The sensors should be non-disposable type – and maintenance free.
 6. It should have option for selection of I:E control, IT (inspiration time) or maximum flow selection as per the user's choice.
 7. It should have expiratory trigger setting facility starting from 10-90% and AUTO in PSV, SIMV,PsTv,and SIPPV modes.
 8. It should have an internal battery back up of minimum 6hrs, should be extendable to 10-12hours.
 9. It should have a leak display and alarm in Invasive ventilation.
 10. Tidal volume delivery should be from 50-2500ml for adult patients.
 11. Inspiratory pressure must be from 3-40 in NIV and 3-60 in invasive ventilation mode for pediatric and 5-60cm H2O for adults.
 12. Pressure support should be from 3-60cm H2O.

continued on page no02

[Signature]
Medical Superintendent
J.N. Medical College Hospital
A.M.U. Aligarh

