EXTENSION OF DATE OF TENDER SUBMISSION

The last date of submission of Tender D.No.1631/MCH dated 22-12-2018 Regarding Transport Ventilator was 07-01-2019. Due to some technical reason, the date of said tender has been extended upto 18.01.2018 by 12:00 Noon and Tech. bid will be opened on 19.1.2018 other terms & conditions will remain the same.

Copy of the tender is being attached for ready references.
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 12:00 Noon. & will be open on 08/01/2019

**Specification for Transport Ventilator**

1. The ventilator should be a turbine operated, with a built-in 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 BE 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 the following real time monitored parameters:
   - Breathe rate
   - Inspiratory and Expiratory time
   - BE 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 reactivity shouldn’t be more than 40msec.
   - The sensors should be non-disposable type – and maintenance free.
6. It should have option for selection of BE control, I/E (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, PS/Tv, and SIPPV modes.
8. It should have an internal battery back up of minimum 6hrs, should be extendable to 10-12 hours.
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.

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13. PEEP should be from 0-25cm H2O
14. Maximum flow should be from 5-40 L/min in Pediatrics and 10-120 L/min for adults.
15. It should have automatic inspiration and expiration trigger setting for Non invasive ventilation.
16. Frequency should be from 2-80 BPM
17. Apnea time should be 5-20sec for pediatric and 10-60sec for adults.
18. Should have programmable lung recruitment and sigh function.
19. Should have a programming memorization of 2 preset configurations of ventilation.
20. Should have Display indicating, see wear and tear of turbine.
21. Should have the option of wireless PC interface for enhanced graphics for display of pressure, flow, and volume curve as well as PV and PV loops.
22. Leakage compensation in NIV.
23. Should have the following trends:
   1. Events log.
   2. Trends log.
24. There should be a special Bio-medical Menu to observe the electrical and pneumatic faults, and see the performance of the device without opening the unit.
25. Should have self test procedure to measure resistance and compliance of the Inspiratory and Expiratory limbs.
26. Should comply with the EN 794-1, CE 0197, ISO etc international quality and safety standards.
27. Should comply with the US FDA and European CE international quality and safety standard.

Terms & Conditions:
1. Make, Model, Rate, Warranty & GST detail MUST BE clearly mentioned in the quotations.
2. Only typed quotations/tenders bearing GSTIN No. on original letter head will be entertained and please provide GST-HSN code on each item separately.
3. Manufacturers/ Authorised dealer’s certificate must be attached with the quotations/Tenders.
4. Cutting/over writing on quotations/tenders will not be accepted.
5. The firm must be registered with Directorate General of supplier and Disposals (DGS &D) or in Central purchase office A.M.U Aligarh.
6. List of users for the quoted item with contact no. should be provided Photocopy of purchase order along with terms and conditions of contract received from any Govt/Public sector institution in last 2 years for supply of offered equipment must be enclosed with the price bid.
7. Installation and Commissioning will be the responsibility of the supplier & after sale service should be provided.
8. The Equipment should be US FDA/ CE European approved product.
9. The Instruments/Equipment might be called for demo, and approval. It is sole discretion of the department to approve or disapprove the quality.
10. Comprehensive onsite warranty 05years & detail after sale service backup in warranty period must be clearly mentioned.
11. The Rate of CMC for 2 years must be provided separately after warranty.
12. The payment shall be made against bill and satisfactory installation. No advance payment is possible.
13. The hospital reserve the right to reject any or all the tender/Quotations without assigning any reason or to allot full or part of supply to one or more firms.
14. Inclusive GST rates will not be accepted and tender/Quotations will be cancelled.
15. The rate must be quoted in Indian rupees and F.O.R JNMC Hospital.