Notice Calling Tender

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

No. Ext ............../MCH/SHAKEB
M/s...................................................
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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 30/01/2018 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.
3. Display should be atleast 15” inch LCD/TFT inbuilt color touch 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, electrically operated, Independent of flow, Nebuliser. It should produce <3 micron uniform particles size to save drug wastage.
7. Should supply with heated wire active humidifier with adult reusable chamber (MR850)
8. The Ventilator Should supply with a permanent/Non consumable 02 sensor for fio2 Monitoring, in case consumables/electrochemical 02 sensors are being offered by a vendor, same should be provided free of charge atleast for 5 years.
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 60min for ventilator.
12. Should have Numerical & Graphical Trend data of set & exhale parameters for 72hrs.
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) Airway pressure release ventilation.
   g) Volume support/Pressure support.
   h) Non-invasive ventilation for Adult/Ped & Ncapp 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 >200LPM or more peak flow

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f) Inspiratory plateau upto 60% of Inspiratory time.
g) SIMV Rate upto 60cycles/Min,IE-1:9:4:1
h) FIO2: 21%-100%
i) Should have both flow & pressure trigger mechanism with PEEP ON i.e anything >3 cmh20 of PEEP.
j) Manual cycle, Inspiratory pause, Expiratory pause

16. **Should have following Monitoring**
   a) Tidal volume
   b) Plateau
   c) Mean airway pressure
   d) RSBI (Rapid shallow breathing index)
   e) Pressure/Volume loops
   f) Flow /volume loops

17. **Should have following measurements**
   a) Intrinsic PEEP with PEEP volume
   b) Dynamic & static resistance and compliance.
   c) P0,1
   d) NIF
   e) Vital capacity

18. **Audio-Visual Alarms**
   a) Peak Inspiratory pressure – High & low
   b) Fio2-High & low
   c) Respiratory rate – High & Low
   d) Tidal volume –High & Low
   e) Minutes volume –high & low
   f) Apnea
   g) Gas supply failure

19. **The following should be Provided with each Ventilator**
   a) Reusable Adult Non-Propertary breathing circuit -1each
   b) Reusable Expiratory valve/Cassette -2Nos.
   c) Reusable flow sensor -2Nos.
   d) Patient circuit arm & cart from same manufacturer 01no.
   e) High pressure color coded separate hose for O2 & air
   f) Filters for O2 & air high pressure line -1each
   g) Test lung -1No.
   h) Proximal Neonatal flow sensor -2 reusable
   i) Nebuliser-1

**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 supplier in central purchase organization (e.g DGS&D)/National small scale Industries/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 Instruments/Equipment should be rust proof, made from surgical grade stainless steel and should be FDA or European CE, UL or BIS 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 03years & detail after sale service backup in warranty period must be clearly mentioned.
11. The Rate of CMC for 2years must be provided separately after warranty.
12. The payment shall be made against bill and satisfactory installation. No advance payment is possible.
13. The rate must be quoted in Indian rupees and F.O.R JNMC Hospital.

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

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