

**CLARIFICATION/CORRIGENDUM/ADDENDUM**

Subject: -Revised technical Specifications and other terms and conditions of Bid document VENTILATOR (ADULT, PAEDIATRIC AND NEONATAL) under NIT F-8() RMSC/EPM/M-2/2014 /NIB 61/7251 Dated: 23.12.2014

In Reference to subject cited above and NIB-61, the various representations received from the firms and issues raised by the Bidders are examined by the competent Authorities and technical committee. The following Corrigendum/Addendum is issued for inclusion in bid document & Technical Specification of items (Section-V, Schedule of Supply, Point no. 3) as below:-

1. Amended SPECIFICATIONS OF VENTILATOR (ADULT, PAEDIATRIC AND NEONATAL)**Operational Requirements:**

1. It should be microprocessor Controlled ventilator with integrated facility for Ventilation monitoring suitable for Neonatal to adult ventilation.
2. The unit should be external compressor based for precise gas delivery (not a turbine / piston/ blower based).
3. Demonstration of the equipment is a must.

Technical Specifications:

4. Hinged arm holder for holding the circuit
5. Should have integrated Colored Touch screen, 12 Inch or more
6. It should have inbuilt facility to measure and display for all patient category (Adult to neonatal)
 - a) 3 waves- Pressure and Time, Volume and Time and Flow and Time.
 - b) 3 loops- P-V, F-V, P-F with facility of saving of Loops for reference.
 - c) Status indicator for Ventilator mode, Battery life, patient data, alarm settings, clock etc. Simultaneous display of set and exhaled parameter, 3 waveform and 2 loops and Alarm
7. should have Trending facility for 72 hours
8. should have Automatic compliance & Leakage compensation for circuit
9. Should have Following settings for all age groups.
 - a) Tidal Volume 5 ml to 1500 ml
 - b) Pressure (insp) 2- 80 cmH₂O
 - c) Pressure Ramp / Flow patterns
 - d) Respiratory Rate 1 to 150 bpm, Insp. Time 0.1 to 3 sec, I : E Ratio 5:1 to 1:5
 - e) CPAP/PEEP 0-40 cmH₂O
 - f) Pressure support 2-80 cm H₂O
 - g) FIO₂ 21 to 100%
 - h) Pause Time 0 to 2 sec
 - i) Flow Trigger 0.2 to 15 lpm & Pressure Trigger 0.5 to 15 Cm H₂O .
10. Should have monitoring of the following parameters
 - a) Airway Pressure (Peak & Mean)
 - b) Tidal volume (Inspired & Expired)
 - c) Minute volume (Expired)
 - d) Spontaneous Minute Volume
 - e) Total Frequency
 - f) FIO₂
 - g) Intrinsic PEEP
 - h) Plateau Pressure
 - i) Resistance (R_{insp} & R_{exp}) & Compliance (C_{dyn} & C_{stat})
 - j) Use selector Alarms for all measured & monitored parameters
11. Should have following modes or equilant modes of ventilation
 - a) Volume controlled
 - b) Pressure Controlled
 - c) SIMV (Pressure Control and volume control) with pressure support
 - d) CPAP/PEEP, PSV + assured tidal volume / guarantee
 - e) Any advance mode like pressure controlled volume guaranteed / PRVC / AUTOFLOW or equivalent
 - f) TCPL with continuous flow for neonates
 - g) Non Invasive ventilation including Nasa! CPAP for neonates.
12. should have Apnea /backup ventilation

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13. Expiratory block should be autoclaveable and no routine calibration required
14. should have monitoring of the following parameters
15. a. Occlusion Pressure(P0.1) , Max Inspiratory pressure (Pi max)
b. RSBI , Imposed work of Breathing (WOBi)
16. should have integrated (in-built) nebulizer or synchronized ultrasonic nebulizer with capability to deliver fine particle On line"
17. should have integrated Battery backup for minimum 2 hour for main unit

System Configuration Accessories, spares and consumables:

18. ICU Ventilator mounted on trolley
19. Adult , Pediatric , Neonatal autoclavable silicone patient breathing circuits -02 each
20. Reusable and autoclavable Flow sensor and exhalation valve/ expiratory cassette - 4 nos each. The expiratory flow sensor and valve should have 5 years complete replacement (free of cost)
21. Hinged Support Arm - 1no
22. Air and Oxygen Hose - each 1 no
23. Medical Air Compressor , with CE mark
24. Reusable Masks (Small, Medium, Large) with each machine.- 01 set each
25. Humidifier -Servo controlled with digital monitoring of inspired gas temperature -01 . All accessories required like temp. probe , heating wire , draw, chamber etc - each 1 no.

Standards, Safety and Training:

26. Should be USFDA/European CE approved product. The supplier must be ISO certified company.
27. Demonstration of quoted equipment model is a must.
28. Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
29. Should have Three year guarantee and provision for next five year Comprehensive Annual Maintenance Charges.
30. CMC: CMC shall be given @ 4 % of net rate (inclusive of Excise Duty & exclusive of VAT/CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after Guarantee period of three years.

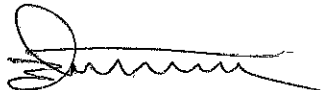
Optional item:

31. Main stream EtCO₂ Sensor - Reusable Adult /ped, & neonatal adaptor -- one each (Rates to be quoted separately, so that may be procured, if required,)
2. Section IV technical bid submission sheet (Cover-A) point no. 12 (v) is deleted and added at Section III.
3. Section III, evaluation and qualification criteria, point no. 2, clause no.8 Tax clearance certificates:- The VAT/Sales Tax and other taxes clearance or declaration is to be submitted by the bidder. Bidders shall have to submit a valid 'VAT' clearance certificate from the concerned Commercial Taxes Officer or Affidavit and the 'PAN' issued by Income Tax Department.
4. Section II Bid Data Sheet (BDS) point no. 6.3 is read as " The Performance security shall be required as per GCC-10 (iii) @ 5% of the value of the indicative quantity in the bid subject to a maximum Rs. 10.00 lacs for each item in favor of MD, Rajasthan Medical Services Corporation Ltd., Jaipur."
5. It is clarified that Information of award of contract shall be communicated to all participating bidders on the website www.rmssc.nic.in and sppp.raj.nic.in. Please note that individual bidder will not be intimated.
6. It is also further clarified that, if any amendment/clarification is carried out in the technical specifications and bid terms & conditions following pre-bid meeting or any other information, the same will also be uploaded on the Corporation website www.rmssc.nic.in, sppp.raj.nic.in and <https://eproc.rajasthan.gov.in> and will not be published in news papers. It will not be intimated to individual bidder. In case any inconvenience is felt, please contact over telephone number i.e. 0141-2223887 or queries may be e-mailed on address "edepmrmssc-rj@nic.in".

Please note that all above clarification/amendment/corrigendum in technical specifications/bid conditions is the integral part of the bid document. This corrigendum/ addendum should be signed and annexed with bid document.

All other terms & conditions remains the same.

This bears the approval of M.D., RMSCL, Jaipur.



Executive Director (EPM)
RMSCL, Jaipur