



**Rajasthan Medical Services Corporation Limited, Jaipur**  
Gandhi Block, Swasthya Bhawan, Tilak Marg, C-Scheme, Rajasthan, Jaipur

Phone No.-2223887, Fax no.-0141-2228065

E-Mail : [edepmrmsc-ri@nic.in](mailto:edepmrmsc-ri@nic.in)

CIN:U24232RJ2011SGC035067

Website: [www.rmsc.health.rajabsthan.gov.in](http://www.rmsc.health.rajabsthan.gov.in)

F-8(261) RMSC/EPM/M-3/18-19/NIB-396/ 125

Date:- 11-01-19

**Clarification/Corrigendum/Addendum**

**Subject: - Revised Technical Specification and Date Extension for NIB No. F-8(261) RMSC/EPM/M-3/18-19/NIB-396/4532 Dated 21.12.18 for item Basic Ventilator.**

In Reference to subject cited above and NIB-396, 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 as below:-

**1. Revised Technical Specifications:-**

**Technical Specifications for Basic Ventilator**

1. It should have microprocessor based technology for adult and pediatric application.
2. It should have user friendly pop-up menu with rotary encoder.
3. It should have simultaneous display of waveforms & loops on screen, screen size should be 12 inch or more with Touch Screen.
4. It should have apnea backup ventilation.
5. It should have about 24 hour trend display.
6. It should have manual/auto nebulizer.
7. It should have standard ventilator modes:
  - a. CMV-V (Assist) and CMV-P (Pressure Support)
  - b. SIMV / V and SIMV / P
  - c. Bi-level Ventilation or equivalent.
  - d. Pressure Regulated Volume Controlled (PRVC)/ Autoflow
  - e. CPAP and PEEP.
  - f. Facility for Non-Invasive ventilation
  - g. **One optional advance ventilation mode:** Any upgradable advance ventilation mode like ASV or MMV or PAV or equivalent. price to be quoted separately in BOQ.
8. It should have settings of:
  - a. Tidal volume: 20ml - 1500ml.
  - b. Inspiratory pressure: 5 - 70 cmH<sub>2</sub>O.
  - c. Pressure support: 0 - 30 cmH<sub>2</sub>O
  - d. Respiratory rate: 2-80 bpm.
  - e. Inspiratory time: 0.3-10 sec.
  - f. PEEP: 0 - 30 cmH<sub>2</sub>O.
  - g. O<sub>2</sub> delivery: 21-100%
9. Alarms should be user friendly. audio and visual with text message. system alarm should be for:
  - a. Pressure changes (high/low).
  - b. Tidal volume changes
  - c. Minute volume changes
  - d. High PEEP
  - e. High/Low O<sub>2</sub> Concentration

- f. Power failure & Low Battery
- g. Patient disconnection
- h. Apnea
10. Monitoring data:
  - a. Flow vs Time, Pressure vs Time and Volume vs Time graphs.
  - b. Parameters: Rate, PIP, leakage, tidal volume, minute volume and Delivered O<sub>2</sub>%
  - c. Display of set and measured parameters
11. Should have inbuilt/integrated Air source of same make.
12. It should be compatible with central gas supply of air & O<sub>2</sub> in ICU setup, wherever applicable.
13. Battery backup for ventilator including air source should be minimum 2 Hours.

**System Configuration Accessories, spares and consumables:**

14. Mounting Trolley/ cart mounting for easy transportation and Hinged Support Arm - 1 no. All of same make.
15. Adult and Pediatric reusable silicone patient breathing circuits - 02 nos. each complete set.
16. Hose for Oxygen and compressed Air with connector - 01 no. each
17. Reusable Masks (Large & Medium) with each machine - 01 set each
18. **Humidifier** - Heated humidifier comprising of adult & paediatric chamber with all required accessories like temp. Probe, heating wire, draw, chamber - 1 no. each

**Standards, Safety and Training:**

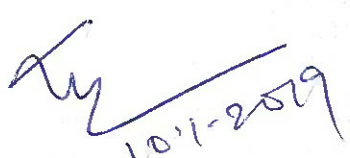
19. Ventilator should be USFDA / European CE (by notified body) approved.
20. Demonstration of quoted equipment model is must for final technical approval.
21. Firm should have service engineer network in Rajasthan. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
22. **Guarantee:** for three years from the date of installation, including Oxygen Sensor.
23. **CMC:** CMC shall be given @ 4% of net rate (excluding GST 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.

**2. Date extension of Bid:-**

Extended dates		
Last Date for Sale of Bid Form	Last Date of Receipt of Bid Form	Date of Opening of Technical Bid
24.1.2019 11:00 AM	24.1.2019 06:00 PM	25.1.2019 11:00 AM

Please note that all 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.

  
10.1.2019  
Executive Director (EPM)  
RMSCL, Jaipur