



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
Swasthya Sathi
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Kolkata-700091

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Procurement of Mechanical Ventilator for Medical College & Hospital, Kolkata
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-103/2025

Dated-07.02.2025

The following amendment has been made in the tender document,

Amendment – 1

Revised Technical Specification

Mechanical Ventilator

1. Should be time-cycled ventilator operating on mains, battery or. Battery backup should be for minimum of 4 hours.
2. Ventilator should be of low weight (**not more than 10 kg**) and with operation range from- 20 to + 50 degrees centigrade.
3. Should be supplied with autoclavable breathing circuits for Adult: **2 no.**
4. Screen Size minimum 5 inch. Upgradable to ETCO₂ (Possibly).
5. **Should have integrated display of set and expired data as below**
 - a) Tidal volume: 50 ml- 2 litres.
 - b) Rate: 2-50 breaths/min.
 - c) PEEP (integrated in main unit): 0 to 20 mbar/cm H₂O
 - d) Inspiratory Pressure: **5**- 60 cm H₂O
 - e) Flow trigger: 3 - 15 lpm
 - f) Pressure Support: 0 - 35 cm H₂O
 - g) Ventilation Waveforms.
 - h) FiO₂: **21%** to 100%

6. Should have following ventilation modes:

- a) NIV
- b) IPPV (CMV/Control ventilation)
- c) Assist Control
- d) SIMV
- e) CPAP
- f) Volume support
- g) Pressure control
- h) Pressure Support
- i) PRVC/IVAPS/APV/DUAL BI LEVEL/AUTO FLOW

7. Should have both audio -visual alarms for:

- a) High & Low Pressure
- b) Apnea
- c) Setting errors
- d) Low battery
- e) Low oxygen supply

8. Standard scope of supply to include requirements

- a) Main unit with inbuilt battery
- b) Breathing hose set with expiratory valve and flow sensor
- c) AC - DC adaptor
- d) Oxygen high pressure hose
- e) Test lung
- f) Instruction Manual

9. Quality standards and support requirements

The bidder should submit valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable.

- 10. Should have local service facility. The service provider should have the necessary equipment recommended by the manufacturer to carry maintenance manual.
- 11. Availability of consumables for at least 7 years after the date of installation.