



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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Procurement of Mechanical Ventilator for Medical College & Hospital, Kolkata
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-194/2025

Dated-06.03.2025

2nd call of Bid Reference Number: 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. **or more** Upgradable to ET_{CO}₂ (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.