



Notice Inviting e-Tender

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SUPPLY OF CRITICAL CARE UNIT (CCU) AND HIGH DEPENDENCY UNIT (HDU) EQUIPMENTS
IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 58/2019

Dated-21.06.2019

2nd call of tender no. WBMSCL/NIT-99/2018, dated: 06.06.2018, Schedule V

The following amendments have been made in the tender document,

Amendment –I (Revision of Technical Specification)

The revised technical specifications for the item is given below,

Non Invasive Ventilator

1. Modes of Operation:
 - 1.1 Spontaneous
 - 1.2 CPAP
 - 1.3 BI-LEVEL
 - 1.4 Variable apnea backup

- 1.5 During changing from one mode to the other, the machine should not be switched off.
- 1.6 Ventilatory circuit including all its parts are to be considered as non-consumables and should be supplied free of cost during warranty and CMC.

2. Product Feature:

- 2.1 Simplified standard setting menu
- 2.2 Automatic Leak management
- 2.3 Automatic / Adjustable Breath trigger / cycle
- 2.4 Noiseless flow generator of less than 30Db

3. Technical Specification:

3.1 Performance:

- 3.1.1 Operating pressure range: 4 to 25 cm H₂O

3.2 Dynamic pressure characteristics:

- 3.2.1 S mode: IPAP: 4 to 25 cm H₂O ; EPAP: 4 to 25 cm H₂O
- 3.2.2 CPAP mode: 4 to 20 cm H₂O

3.3 Sound pressure level:

3.4 <30Db with certification

3.5 Display:

- 3.5.1 Leak
- 3.5.2 Pressure
 - 3.5.2.1 IPAP
 - 3.5.2.2 EPAP
- 3.5.3 Respiratory Rate
- 3.5.4 Minute / Tidal Volume

3.6 Power Supply:

- 3.6.1 220 – 240 V AC, 50 – 60 Hz
- 3.6.2 **Inbuilt** Battery Back-up minimum 1 hour

3.7 Environmental condition:

- 3.7.1 Operating Temperature – 5 – 40°C
- 3.7.2 Humidity – 10 – 95%

3.8 Air Filter:

- 3.8.1 Washable air filter
- 3.8.2 Filter to be changed whenever needed without disturbance to compressor

3.9 Electromagnetic Compatibility:

- 3.9.1 Shall meet IEC – 60601 – 1 – 2:2001 (or equivalent BIS) general requirements of safety for electromagnetic compatibility
- 3.10 Should **have valid** European CE and US FDA approved.
- 3.11 Warranty for 2 years and CMC for 5 years.

Note: Supplier should arrange for stand by machine in case the equipment is taken to the service centre for repair and calibration.