



## Notice Inviting e-Tender

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SUPPLY OF NEONATAL CARE EQUIPMENTS FOR FACILITY BASED NEWBORN CARE (FBNC) UNITS IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 104/2017

Dated-29.11.2017

3<sup>rd</sup> call of Bid reference no. WBMSCL/NIT-41/2017, dated: 21.07.2017 of Schedule – V and VIII

The following amendments have been made in the tender document,

### Amendment – II (Revision of Technical Specification)

The revised technical specifications for the item is given below,

### Neonatal Transport Ventilator (MR Compatible)

#### General Specifications:

1. Volume Control ventilator
2. Ventilator should have ability to be used at a magnetic field strength of 50 mT (equivalent to 1m distance for a 3T static magnetic field scanner), without creating any MR image artefacts.

3. Ventilator should have facility of Integrated Tesla Spy Gauss meter for ground clearance detection.
4. It should have facility for both Invasive as well as Non-Invasive Ventilation including NAVA/ASP.
5. Approved for use in various environments such as Emergency, Ambulance, Aircraft, Hospital & MRI.
6. Alarms : low / high minute volume, low / high pressure, low / high tidal volume, low / high rate, Apnea time, low / high oxygen, Oxygen concentration, disconnection, lose of PEEP, exhalation obstruction, flow sensor, power supply, batteries, gas supply.
7. Internal rechargeable battery with minimum operating time of at least 7 hours full system including Air supply source.
8. The system should have 8" or more LED / LCD display.
9. Light weight and rugged.
10. Company Owned Service Centre in India.
11. It should be US FDA & CE ("Conformite Europeene") from European Union notified body having 4 digit identification number approved product.
12. Reusable patient circuit and patient valves.
13. MRI compatible regulators, oxygen supply hoses, Cylinder and Trolley. The supplier should take responsibility for refilling of Oxygen cylinders as when required by the end users up to life span of the machine. The refilling cost would be borne by the end users except initial 5 times. The bidder should include the cost for 5 times refilling of the Oxygen cylinder in the quoted rate of the equipment. The bidder should also quote for the cost of refilling beyond 5 times in From 9 (a) for future procurement.
14. Servo Humidifier should be supplied with the machine.
15. Nasal C PAP kits (Caps, Masks, Nasal Prong, Nasal Tubing): 15 nos. each.

**Technical Specifications:**

- Ventilator should have facility to connect 500gm to 5000gm.
- Neonate ventilation mode :Volume controlled (A/C),Volume SIMV, Pressure A/C,PSIMV.CPAP / SPON,NIV,NCPAP,NAVA/ASP.
- Tidal volume: 2ml to 300ml.
- Frequency: 8-100bpm.
- I:E ratio: 1:2.
- Inspiratory time (TI) 0.1 to 12 s.
- FiO<sub>2</sub>: 21% and 100%.
- Pressure control 5 to 60 cmH<sub>2</sub>O .
- Power source Medical: Oxygen 280-600kPa (41 to 87 psi).
- Patient circuit: 1.5m long.
- Ventilator should have flow trigger 0.1Lpm – 20n Lpm.
- PEEP : 0 to 20 cm H<sub>2</sub>O.
- Facility for graphic display.