



## Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited  
Swasthya Sathi  
GN-29, Salt Lake, Sector-V  
Kolkata-700091

Phone No (033) 40340307/320

E mail: [procurement@wbmsc.gov.in](mailto:procurement@wbmsc.gov.in)

Supply and Commissioning of different medical equipment for Critical Care Block(CCB)  
project(Item category-Type A)  
(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-175/2023

Dated-18.04.2023

### Amendment-I

### Schedule-I

### REVISED TECHNICAL SPECIFICATION

### Multi Para Monitor With Central Station

1. The monitor should have bright, highly visible minimum **12 or more** inch LED screen colour display of minimum 800 X 600 line resolution for easy viewing from a distance.
2. Integrated modules for standard measurements with ECG, Heart Rate, Respiration Rate, SpO<sub>2</sub>, ETCO<sub>2</sub> (**Side Stream preferable**), Arterial pressure, Central Venous pressure, Non Invasive blood pressure & Temp. SpO<sub>2</sub> measurement (accuracy  $\pm 2\%$ ) with **NELLCORE / MASHIMO**. The bidder should supply original accessories from OEM.
3. Modules should be colour coded to avoid inserting wrong cables, leads.
4. The monitor shall be able to mount on the wall with a battery backup of minimum two hrs. as well as on bed side trolley.
5. Should have the capability to display at least **eight (08)** real-time waveforms along with related numerical parameters on a single screen.
6. The size of the numeric and waveforms should be adjustable to become larger for viewing from very long distance.
7. The monitor should have the capability to be operated through **knob and touch screen**.
8. **Minimum 2 hours or more** of battery backup.

9. Should have 5 lead ECG facility.
10. Should have advanced multi – lead arrhythmia analysis capability.
11. The monitor should have configurable screen configurations for various monitoring settings like emergency, general monitoring, 5 lead screens etc.
12. Trends recording for 24 hrs.
13. The monitor should have the facility to connect to central nursing station.
14. The monitor must have audio & visual alarms for the vital parameter specifically covering the range for the neonates.
15. The maker of the central station and Multi Channel Monitor should be of same manufacturer and rate should be quoted simultaneously.

16. System should be compatibility with HL7/HIS.

**17. Specification Of Central Station:**

1. Central station must have 150 hours or more of trends.
2. It must have connectivity to HIS and LIS
3. It must be upgradable to display patient s data on mobile phone and laptop.

**Standard Accessories(be of same manufacturer)should be supplied as standard:**

- ECG/Respiration ECG lead: 02 nos.
- ECG electrodes for paediatric: 10 nos.
- ECG electrodes for Adult: 10 nos.
- NBP Reusable cuff infant: 02 no.
- NBP Reusable cuff paediatric: 02 no.
- NBP Reusable cuff Adult: 01 no.
- NBP Hose for reusable cuff: 01 no.
- SpO2 sensor for paediatric jack type with restrain / Clip type: 05 nos
- SpO2 sensor for adults: 01 no.
- Reusable Temperature probe for paediatric: 01 no.
- Reusable Temperature probe for Adult: 01 no.
- Wall mount to be provided: 01 no.
- Saline pressure bag (500 ml) to maintain Arterial line: 05 nos.
- Arterial pressure transducer: 05 nos.
- Central Venus pressure transducer: 05 nos.
- Pressure transducer cable: 02 nos.

**Standards & Safety:**

- i). The product should be US FDA or European CE (“Conformite Europeene”) from European Union notified body having 4 digit identification number approved (Certificate to be submitted) or UK CA or BIS.
- ii). It should have onsite service facility. The service provider should have necessary equipments recommended by the manufacturer to carryout preventive maintenance test as per guidelines provided in the service/ maintenance manual.
- iii). Warranty for 2 years.