



Notice Inviting e-Tender

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**Supply and Commissioning of different types of Medical Equipment for the Dept. of
General Medicine at Burdwan Medical College & Hospital**

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-538/2025

Dated-23.06.2025

AMENDMENT-I

Schedule-III

REVISED Technical Specification of Multipara patient Monitor

1. Patient monitor system should be advanced modular type and capable of monitoring adult, pediatric & Neonatal patients.
2. Monitor should have 15" TFT/LCD or more display with full touch screen user interface.
3. Should be capable of display 10 or more waveforms.
4. Monitor must be capable of simultaneously monitoring the following parameters which should be present as standard: ECG, NIBP, SpO2, Respiration, Dual IBP, Dual temperatures and EtCO2 (mainstream/sidestream/microstream),
5. Should be upgradeable to Invasive Blood pressure (upto 4 simultaneously), Invasive Cardiac output, Continuous Cardiac Output (Non-invasive/minimal invasive), BIS.
6. ECG should have capability for 3, 5 and/or 10 lead monitoring and should have built in advance arrhythmia monitoring on all leads.
7. Inbuilt ST segment analysis and arrhythmia detection for all the leads should be possible.
8. Hemodynamic and drug dose calculations should be available.
9. Arrhythmia should be grouped based on classifications-and should show no of arrhythmias occurred with ECG waveform.

10. Should have SpO2 technology that works well in low perfusion.
 11. Should display perfusion index (PI%) from SpO2 as an indication of pulse strength at the sensor site.
 12. Machine must have facility for alarm escalation in case nursing staff miss the alarm.
 13. Must have minimum 48 hours or more review data including graphical & tabular trends
 14. Must be able to store & display the 24 hours or more beat by beat waveforms for 4 or more selected parameter by the user.
 15. Monitor must have Hemodynamic Graphs to view hemodynamics parameters based on Frank starling principle view to monitor patient's hemodynamics condition.
 16. Monitor should have (mainstream/sidestream/microstream) EtCO2 sensor, which should be lightweight and small in size and can be use on both intubated and non-intubated patients.
 17. Monitor shall provide the capability to interact with alarms at remote bedsides monitor.
 18. Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm settings must be displayed on-screen when alarms are on.
 19. Waveform color changing should be user configurable.
 20. Monitor must have inbuilt rechargeable battery with minimum backup of 60 minutes or more.
 21. Bed to bed communication between the monitors should be possible without a central station.
 22. Should be compatible with HIS and should be HL7 compliant
 23. Monitor should provide remote viewing of real time waveforms through internet (Price to quoted e optional).
 24. The bidder/ OEM should have valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable.
- 25. Should be supplied with following accessories:**
- i. ECG/respiration: 5 lead ECG cable set -01
 - ii. NIBP: Adult & Pediatric-01 each
 - iii. SpO2 Sensor: Adult sensor-01 each
 - iv. IBP connection cable -02 each
 - v. IBP disposable transducer-05
 - vi. Temperature: Skin and rectal probes 01 each
 - vii. mainstream/sidestream/microstream EtCO2-01
 - viii. Airway adapter: Intubate and non-intubate-05 each
- 26. Price to quoted as option –**
- Invasive Blood Pressure (2 more), Cardiac output, Continuous cardiac output (non-invasive/ minimal invasive method), EEG.