

Amendment no XVI Dated 21.05.2018

HSCC/PUR/CNCI/Kolkata/Medical Equipment/04 dated 03.01.2018

Procurement of Medical Equipment CNCI 2nd Campus

All bidders are requested to note the following:

Item No	Name of the Article	Previous Qty	Previous EMD	Amended Qty	Amended EMD
09	Multipara monitor	36	2,88,000	50	4,00,000

Revised Technical Specification Item. 09. Multipara monitor

1. Advanced high end modular patient monitor of screen size 12 inches or more, having integrated non-invasive and invasive measurements and features suitable for paediatric and adult patients.
2. Monitor must have the facility to display minimum 6 waveforms or more, along with related numerical parameters on single screen.
3. Parameters: Monitor must have the facility to monitor ECG, low perfusion motion tolerant SpO2 (with waveform), HR (source: ECG/SpO2 pleth/Auto), NIBP, RR, dual temperature, IBP, CVP.
4. Monitor must have facility to display real-time 12 lead ECG with ST-T changes.
5. Monitor must have advanced arrhythmia detection and ST analysis as standard feature.
6. Monitor must have the time linked review function for both graphic & tabular trends of all parameters for 48 hours. Monitor must have arrhythmia recall facility.
7. Monitor must have inbuilt rechargeable battery for minimum one hour operation for both machine & display board.
8. Monitors must have printing facility through central stations.
9. Monitor must be able to connect to central monitoring station.
10. Should be USFDA Approved/European CE Certified with 4 digit certification.
11. Each monitor to be supplied with.
 - a) Five lead ECG electrode cable – Two in number with adult & paediatric ECG electrodes.
 - b) SpO2 soft probe:
 - Adult Probe: 5 No.s.
 - Pediatric Probe: 3 No.s.
 - Neonatal Probe: 3 No.s (Wrap type).
 - c) NIBP cuffs for adult & paediatric, large adult, thigh: Five each size.
 - d) Temperature probe: One skin and two core probes for each monitor.
12. Each monitor must be supplied with.
 - a) IBP connection cable: Four in number.
 - b) IBP Disposable pressure transducers: 20(Twenty) in number each monitor.
 - c) 50 etCO2 sampling line with 20 water trap each for 25 modules in sidestream type/ 2 mainstream sensors with 5 adult airway adapter & 3 infant airway adapter each for 18 modules
13. 6 (Six) Central Nursing Station for every 8-10 beds must be provided for complete supply of total 50 monitors.

- a) Cabling, switches, hubs for central monitoring network has to be done by bidder in the ITU.
 - b) Each Central Station should be supplied with 21" color LED medical grade display and one 21" slave display and one laserjet printer.
 - c) One Online UPS of 1 hour backup should be supplied with each Central Nursing Station.
14. 25 Interchangeable modules of etCO2 (Mainstream/sidestream) must be provided for complete supply of total 50 monitors & 4 modules for third IBP must be provided for complete supply of total 50 monitors.
 15. User and service manual must be in English.
 16. Service centre should be in Kolkata.
 17. Wall mounting bracket with flexible arm to be provided by company.
 18. Monitor should be 12 inches display with touch screen and Trim knob.
 19. Monitors should have capable of future upgradation through interchangeable modules to monitor and display.
 - 4 channel EEG
 - Cardiac output (both thermos-dilution, as well as minimally invasive)
 - Spirometry
 20. Monitor should have non-volatile memory; the trend data should remain saved during power-off in the monitor/central station.
 21. The monitors or central station should have HL7 output for future digital upgradation.
 22. The monitor should be able to measure and display ECG, Respiration, NIBP, SpO2, Dual IBP, Dual Temperature & EtCO2 simultaneously.
 23. The monitor and central station should be upgradable in future to HIS, PACS/ DICOM Viewer & Web browsing facility through mobiles/laptop.
 24. The monitor should have the capability to measure & display QT/QTc.
 25. Technical evaluation will be finalized only after functional demonstration of the offer equipment. The functional demonstration will not be a substitute for technical evaluation of the document submitted along with the bid.

All other terms and conditions of the tender enquiry document shall remain unchanged. Prospective bidders are advised to regularly visit HSCC website/ CPP as corrigendum /amendments etc. if any, will be notified on this portal only, no separate advertisement will published in the news papers.

Sr. Chief General Manager -I, HSCC (I) Ltd
For & on behalf of Director CNCI, Kolkata.