



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

Procurement of Continuous Monitor (In line with CPB Circuit) for continuous pH, pCO₂, pO₂, K⁺, Hematocrit monitoring for C.T,V.S Department at I.P.G.M.E & R and S.S.K.M Hospital

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-328/2023

Dated-27.06.2023

Amendment-I

Revised Technical Specification Pg 30 **Schedule – I**

Continuous Monitor (In line with CPB Circuit) for continuous pH, pCO₂, pO₂, K⁺, Hematocrit monitoring

SI No.	Technical Specification
1	The continuous blood monitoring device is a apparatus used to continuous monitoring of in-line blood parameters-PH, pCO ₂ , pO ₂ , K ⁺ , Hematocrit hemoglobin, base excess, bicarbonate, oxygen consumption and oxygen delivery during CPB.
2	The system should be able to display real-time changes in blood parameters using optical fluorescence and reflectance technologies.

SI No.	Technical Specification
3	The system should also continuously display the parameters like DO2 (delivery of oxygen) and VO2 (consumption of oxygen).
4	Two-point tonometer calibration to make each shunt sensor calibrates individually
5	Should have large color LCD display to have high visibility at a variety of viewing angles
6	Should have integrated printer to have easy access to print and document all case parameters.
7	Should have integrated battery which provides back up power for at least 25 mins.
8	The system should display values to monitor patient at both alpha and pH stat management
9	The system should run self-diagnostics of electronics and optics (In vivo calibration)
10	The values of the parameters to be display in numeric, graphic or tabular format as per end user preference.
11	The connectivity should be through RS-232 serial interface.
12	The display update should not take more than 6 seconds.
13	The disposables connectors and cuvettes should be available in all sizes 1/4", 3/8", 1/2", Connectors and cuvettes of each size should be supplied with a monitor to be used for 100 patients. (60% must be supplied at the time of delivery and installation and remaining 40% on demand basis).
14	The system should have compatible pole clamp 4.5" (Approx) to mount the monitor to standard heart and lung machine
15	The system should comprise of all accessories used to calibrate the sensors.
16	Should supply the sensor -100 nos. with the machine which can measure all the parameters. The sensor should be heparin treated.
17	The system should have a calibrator with required gas canisters to calibrate the sensors for accuracy and reliability. 2 nos. gas canisters should be supply with the system.
18	To work with power supply of 100-240 VAC, 50/60 Hz
19	Should have USFDA /European CE(4 Digit Notified Body)/BIS
20	The company should provide complete post sales demonstration and in servicing to the end user.
21	This is a self sufficient unit and can be used with any Heart lung Machine