Notice Inviting e-Tender

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Procurement of Advanced Minimally Invasive Hemodynamic Monitor for the Department of Pulmonary Medicine at IPGME&R, Kolkata, and SNPH (Annex-II)

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-319/2025 Dated-22.04.2025

2nd call of bid reference No. WBMSCL/NIT-151/2025 Dated-20.02.2025

Amendment-I

Revised Technical Specification

Advanced Minimally Invasive Hemodynamic Monitor

1. It should have a touch screen with active area of 12.1 inch.
2. It displays intermittent & continuous hemodynamic measurement when used with appropriate disposable sensor.
3. It should be able to give Auto calibration technology based Continuous Cardiac Output (CCO), Cardiac Index (CI) Stroke Volume (SV),) Stroke Volume Index (SVI) Stroke Volume Variation (SW),Pulse pressure Variation(PPV) Systemic Vascular Resistance (SVR) With CVP Transducer connection for CVP input Systolic Pressure (SYS),Diastolic Pressure (DYS), Mean Arterial Pressure (MAP), HPI, DP/DT, EADYN when using arterial line sensor only and without using any type of manual calibration.
4. It should be equipped with 3 expansion module & 2 cables receptacles.
5. It should have artificial intelligence Module (Hypotension Prediction Index) to measure hypotension probability before the incidents.
6. It should have also provide dP/dt- Systolic slope maximal upslope of the arterial pressure waveform from a peripheral artery. After load – Dynamic arterial elastance (Eadyn) the ratio of pulse pressure variation to stroke volume variation (PPV/SW).
7. It should have upgradable future facility of other technologies like Non-Invasive Continuous Cardiac Output, Pulmonary Artery Catheter Module and Cerebral/Tissue Oximetry parameter (StO2) using Near Infrared Spectroscopy (NIRS) technology with at least 5 different wavelengths and light penetration depth of at least 2.5 cm.

8. It should have the ability to analyze patient's response to specific interventions such as fluid challenge along with Frank Sterling curve, various other interventions etc. All these interventions should be time stamped and stored for retrospective analysis.
9. It should have option of wired and wireless communication.
10. It should have hot swappable battery.
11. It should have a display capacity of at least 4 trend lines and 4 numeric display, optional physiology and physio-relationship screen.
12. It should have the option of connectivity with hospital information system.
13. It must save data up to at least 72 hours.
14. Reputed make UPS should be supplied with this system.
15. It must have screen shot and data download facility through any USB stick.
16. It must have an HDMI, USB & ETHERNET port for various connectivity.
17. The bidder should submit valid CDSCO Certificate/Registration/License for both the manufacturer(s) and importer(s) as applicable.