



## Notice Inviting e-Tender

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**PROCUREMENT OF CEREBRAL FUNCTION MONITOR (aEEG) FOR 80 BEDDED NEONATAL INTENSIVE CARE UNIT (NICU) AT IPGMR, KOLKATA**

(Submission of Bid through *online*)

**Bid Reference No.: WBMSCL /NIT-185/2022**

**Dated –06.05.2022**

**2<sup>nd</sup> call of Bid Reference No.: WBMSCL /NIT-427/2021, Dated –15.12.2021**

Based on the discussion in pre-bid meeting held on 10.05.2022, the following amendment has been made:

### **Amendment – I**

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#### **Revised Technical Specifications of Cerebral Function Monitor (aEEG)**

- Should be minimum 3 channels amplifier.
- Should record and display conventional EEG and aEEG simultaneously.
- Should have facility to scroll the tracing backward or forward.
- Should be able to monitor EEG, aEEG, ECG and upgradable to monitoring of other physiological parameters: SpO<sub>2</sub>, respiration, etc.
- Allow Amplitude integrated EEG (aEEG) both parietal and cross cerebral method
- Facility for automatically report generation in modifiable format on word file format.

- Integrated software compatible with windows 7 & 8 operating system.
- Visualization of aEEG, SpO2, HR, respiration and other trends during recording and reviewing.
- Automatic detection of the pathological aEEG patterns which are specific for the central nervous system abnormalities.
- There should be provision for automatic aEEG patterns interpretation.
- It should be able to detect seizures (including sub clinical) and determine severity.
- There should be provision for aEEG trend calculation by one or several derivations with averaging.
- It should have enhanced signal display for easier diagnosis and interpretation of HIE, Seizure and burst suppression by paediatrician / nursing staff.
- The system should have colour aEEG patterns coding with possibility to change colours.
- The system should have Maximum and average EEG amplitude trends.
- The system should have Delta, theta, alpha, beta rhythms indexes ratio trend.
- Automatic and manual bursts selection.
- The alarm signal should be initiated automatically if the pathological pattern is detected.
- Should be upgradable to synchronize video recording during the long-term aEEG monitoring.
- Easy device control owing to the touch screen interface.
- The intensive care unit staff may operate the device without long-term special training.
- The native EEG is saved in the device memory and, if it is required, can be interpreted by EEG specialist in the real-time mode or after the monitoring.
- The system should be supplied with:
  - (Touch screen computer) Intel Core i3 processors with 2GB RAM, multimedia speakers, mouse, and minimum 1TB hard disk for storing.
  - Re-usable Gold plated Cup Electrodes 12 nos.
  - Trolley with locking castors
  - Laser B/W printer
  - Technical Manuals and user manual
  - Conductive paste – 03 Nos.
  - Skin preparation gel – 03 Nos.

Optional Items to be quoted separately:-

- SpO2 unit along with Probe
- Airflow sensors
- Also separately give the rate lists of consumables & accessories.
- System should be FDA & European CE (4 digit) approved and meets international safety standards like IEC and Class IIb.
- The bidder must have at least one installation in India.