

Notice Calling for Tender

OFFICE OF THE MEDICAL SUPERINTENDENT
J.N. MEDICAL COLLEGE HOSPITAL
ALIGARH MUSLIM UNIVERSITY
ALIGARH

No. Ext 2127 /MCH/SHAKEB

Dated 5/2/2018

M/s.....

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Sealed Quotations/Bids (One Technical and One Financial separately) are invited from manufacturers or their authorized dealers for the following Item which should be sealed by the tenderers in separate covers duly super scribed and both these sealed covers are to be put in a bigger cover, which should also be sealed and duly super scribed, on the terms and conditions mentioned below.

Quotations should reach this office on or before 17.02.2018 by 3:00 P.M.

NERVE MONITORING SYSTEM

Specification:

The system should be ideal for:

- Cranial nerve Surgeries
- Neurovascular Surgeries
- Intracranial Surgeries

Software:

*compact system designed for complex surgical environments:

- Digital acquisition, display, and storage of EMG,SEP, and MEP data
- 16 high level and 2 low level programmable electrical nerve stimulator outputs
- Programmable inbuilt TcMEP stimulator (upto 4 outputs) to deliver upto 1000 V/1500mA, stimulator
- Automatic ESU detection and audio muting
- Nerve integrity monitoring with programmable tone alerts for muscle activity, stimulator contact integrity, selectable chimes
- Trending: Graphical and numeric formats for EP data
- All channels sample simultaneously at 60 KHz
- System capable to display up to 64 waveforms simultaneously
- System capable to stimulate SEP, lower at independent rates within the same test protocol
- Multi-tasking
- Complete stimulus interleaving
- Data trending and history displays with automatic, programmable alerts
- Case annotation tools
- Internet protocol-based remote monitoring with chat function
- Stimulation and acquisition pods for easy patient connections
- Trigger in/out for connections to external devices

System Includes:

*Data Management Computing Device:

- a. Touchscreen All in One PC with Core i3 processor, 1GB RAM, 500 GB HDD, DVD-writer/CDRW drive, Ethernet and USB connectivity, Windows 7, 17" LCD Display

* Amplifier:

- a. Digital main unit with 16 channel amplifier with capability to perform any test modality with 16 channels. 32 Software Switched inputs in any combination: referential and/or differential. Pulse oximetry inbuilt.
- b. Noise Level < 10nv
- c. Common Mode Rejection (CMMR) > 110db @ 60 Hz
- d. Sampling Rate: 60KHz, simultaneously sampling Resolution: 16 bits
- e. Low Frequency Filters: 0.1-500 Hz
- f. High Frequency Filters: 30 Hz-15 KHz
- g. Notch Filter: 50/60 Hz
- h. Sensitivity: 0.1µV/division -5.0mV/division
- i. Impedance Test: Up to 100kΩ

*Stimulator:

- a. Electrical: 16 programmable high level outputs (0-100mA), 2 low level outputs (0-20 V P-P) and 4 programmable TcMEP constant Voltage output (50-1000 V P-P, 1500mA max), Duration: 0.05ms, Modes available: single repetitive and train

*10 inches color coded pods for extending the amplifier inputs with durable lemo connector-2 No

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