



PROCUREMENT OF INTRAOPERATIVE NERVE MONITORING SYSTEM FOR ENT DEPARTMENT, DEMAND NO. 11204369 DT 17/12/2025

(I) TECHNICAL SPECIFICATION: -
IT SHOULD HAVE BIS /USFDA/ CE CERTIFICATION

- 1) Should be able to locate, map and continuously monitor cranial and peripheral, motor and mixed nerves intraoperatively.
- 2) Should be desirably having minimum four channels for intraoperative monitoring of multiple nerves by way of tracing EMG signals on electrical stimulation, so as to maintain the integrity of the nerve during surgical procedures.
- 3) Should monitor simultaneously during bipolar cautery use i.e. zero artifact
- 4) Should have real time continuous monitoring with 'automatic periodic stimulation' electrode.
- 5) Should have high sensitivity with reduced electromagnetic interferences from other equipment.
- 6) Should have artefact detection feature to distinguish between artefact and EMG signals.
- 7) Should have electrode- checking features.
- 8) Should have improvised user friendly interface.
- 9) Should have incrementing probe or mini screen to adjust stimulus level from the sterile area.
- 10) Should have ability to use 01 stimulators at once.
- 11) Should be able to save and load custom settings for different surgeons and surgical procedures, with quick setup guide.
- 12) Should be able to log MG activity throughout a procedure for records.
- 13) Should be able to get printable case log reports for patient records.
- 14) Should have inbuilt nerve and electrode placement guide.
- 15) Should have touch screen control for ease of use.
- 16) Should have colour coded channel labelling for easy identification and use.
- 17) Should have multiple USB ports for connection with mass storage devices.
- 18) Should have provision to connect external keyboard/laptop.
- 19) Should provide high stimulation ranges of 0.01 mA TO 50.00 mA.
- 20) Stimulators should be malleable tip monopolar probe and bipolar probe (Disposable or Reusable) with optional dissecting tool stimulators.
- 21) System should have an option of upgradability to other specialty assistance.
- 22) System should include
 - a) Console
 - b) Intermediate patient interface.
 - c) Patient simulator.
 - d) Muting connection for reducing electromagnetic interferences.
 - e) Incrementing probe or miniscreen. (1 box/ 1no.; 5 set/ box)
 - f) Paired subdermal electrodes (15 box; 5 set / box)
 - g) Endotracheal tube of size (6.5, 7, 7.5mm), 3 box (5 tubes/ box)
 - h) Monopolar stimulator (Disposable or Reusable): 2 box (5 pieces/ box) / 2no.
 - i) Bipolar stimulator (Disposable or Reusable): 1 box (5 pieces / box) / 1no.
 - j) APS electrode 3 mm- 1 piece.


डॉ. दीपक डालमिया
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MEDICAL DIRECTOR
Bharat Ratna Dr. Babasheeb Ambedkar
Memorial Hospital, Central

Procedures Covered by Utility of this Equipment

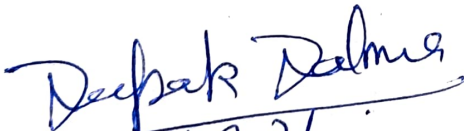
- a) Safety standards/ Certification: Device complies with medical device directive 93EEC.
- b) Medical device complies with EN 60601-1-2 safety standard for electromagnetic compatibility requirements and test. Confirms to IEC/ EN60601-1 certified to a C22.2NO.601.1.IPX8 Rated for water ingress (IEC 60529)

(II) OTHER GENERAL CONDITIONS:-


- a) Original technical Brochures, which will indicate the compliance of the technical specifications as required by us, should be provided.
- b) The firm shall specifically provide compliance statement for all technical specification.
- c) The firm OEM should commit to supply specific spares till completion of codal life of the equipment.
- d) Tenderers who are OEM, must give undertaking for supply of spare parts for a period of expected life of the machine /equipment. Otherwise tenderers must submit undertaking from OEM for supply of spare parts for a period of expected life of the machine/equipment, otherwise offer is liable to be ignored.
- e) After sales service required at the place of delivery. Details of after sales service facilities like address, Toll Free Number, Telephone No, Fax No, Email etc are to be provided. Number of Technical persons/ Engineers should be enclosed.
- f) Downtime in case of breakdown should be 72 hours or less, failing which, standby facilities should be provided. Any delay after 72 hours without providing standby facilities shall attract a penalty of 1% per day of CAMC value.
- g) Market standing of the firms should be minimum 3 years.
- h) Comprehensive Warranty for 3 years & Comprehensive AMC for 5 years after completion of warranty should be required.
- i) Inspection - Visual Inspection by System selected THIRD PARTY INSPECTION (TPI) AGENCY, against Guarantee Certificate & Technical Certificate (GC & TC) of OEM, at Consignee place.
- j) Cost commitment of consumables both expendable and disposables for codal life of the machine with fall clause.

The above specifications are the minimum standards required by us and anything better would be acceptable.

ABOVE SPECIFICATION DO NOT FAVOR ANY BRAND OR COMPANY.


16-06-2026

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