



राष्ट्रीय अस्थि विकलांग संस्थान
NATIONAL INSTITUTE FOR THE ORTHOPAEDICALLY HANDICAPPED
(विकलांगजन सशक्तिकरण विभाग, सामाजिक न्याय एवं अधिकारिता मंत्रालय, भारत सरकार)
(Department of Empowerment of PwDs, Ministry of Social Justice and Empowerment, Govt. of India)
B.T. ROAD, BON-HOOGHLY, KOLKATA-700090
बी.टी. रोड बनहुगल, कोलकाता-700090

Phone: 2531-0279, 2531-0610/Tele Fax: 2531-8379/E-mail: mail@nioh.in and web: www.niohkol.nic.in

ENQUIRY NO:- PUR-EMG/2150/EMG/2014/NIOH

Date: 22.04.2016

Last date of receiving quotation: 16.05.2016

Delivery required within: 30 Days after receiving the P.O.

REF: INVITING OF ONLINE QUOTATION FOR THE PURCHASE OF EMG MACHINE AGAINST BUY BACK OF OLD EMG MACHINE:

<u>SL. NO</u>	<u>NAME OF THE ITEM</u>	<u>SPECIFICATION</u>	<u>QTY</u>
01	EMG MACHINE	<p><u>Minimum 4 channel system with optical isolation having following requirements:</u></p> <ul style="list-style-type: none">- The computer should be supplied with the system, after passing the strict in-house quality checks by the manufacturer to comply with medical equipment standard.- Main Unit should be connected to the Computer through the latest and powerful USB 2.0 Interface- EMG protocol should have Free run needle EMG, Interference pattern, MUAP & Amplitude/turns analysis- Nerve Conduction Studies should have MCS, NCS, F wave, H reflex, Collision, Blink reflex, RNST, Inching studies & CCV- Somato sensory evoked potentials- Auditory evoked potentials: ABR, MLR, SVR, EcochG.- Visual Evoked potentials: VEP, ERG, EOG- Should have option of opening Up to 8 test protocols simultaneously.- Should be able to perform Skin electrode impedance check at both junction box and console- System must be supplied with Constant current stimulator- In-built help file examination guide that shows examination information, and electrodes and stimulation positions for NCS and other examinations.- System should have integrated operation panel with all system control. <p><u>Minimum functional requirement</u></p> <ul style="list-style-type: none">- EMG with continuous storage of live EMG for minimum 10 minutes up to 99 sites.- Should have the option entering patient information, EMG findings or diagnosis during examination.- MCS, SCS, Repetitive Stimulation, F Wave, H Reflex & Blink Reflex automatic marking.- EMG play back with waveform and sound, should be possible.- Insertional/Spontaneous EMG recording for minimum 600 secs on hard disk.- Should be able to show temperature compensated values for the test to guide within the test- System should have option of performing up to 42 NCS exams.	01

- Should have programmable measurement conditions up to 384 examination conditions
- Auditory headphones with clicks, pips and tones
- Visual evoked potentials: Pattern reversal VEP & flash
- The electrical stimulator should have controls for stimulus delivery, intensity.
- Should be able to generate report without the need of MS office.
- The software should have option of having Normative data for computation and online comparison with test values
- The software to have facility to quickly review the complete summary of the all the acquired traces and tabulate the results without need to go in each and every test protocol.
- The base unit of the system should provide all the controls for performing the test, switching to other test protocols and review of the test with control knobs for sensitivity, gain, marking cursors, pulse width etc.,
- Should support multiple users with individualized settings.

Technical specifications:

- Common mode input impedance > 1000Mohm
- The electrical stimulator should have Double,Train stimulation modes
- Stimulator should have constant current stimulation with Current stimulation range of 0-100 mA
- Stimulator should have variable frequency of 0.1 to 100 Hz in variable steps
- Stimulator should have variable Stimulation delay of 0 to 100 ms
- CMRR: >106 dB (Balanced mode), >112 dB (Isolation mode)
- System should have 16 bit A/D converter
- Low cut filter to be varied from 0.01 Hz - 500Hz
- High cut filter to be varied from 10Hz - 20KHz
- Noise: < 0.6 μ V RMS
- Sensitivity: 1- 500 μ V/div
- Should have artifact rejection inhibit range of ± 1 , ± 2 , ± 3 , ± 4 , ± 5 div on screen or off (No artifact rejection)
- Amplitude calibration 1 micro volt to 10 milli volt
- Electrode to skin impedance check: 2 to 20 K ohm
- Should have individual time base for each test protocol
- Should have Number of averaging between 1 to 9999
- Software adjustable notch filter
- Electrical Stimulation: artifact compensation for electrical stimulator
- Should have trigger in/out for external interface

The system should be supplied with following:

- PC system with intel i5 processor with 2GB RAM, multimedia speakers, optical mouse, 250GB HDD, Windows 7 OS & DVD writer or better configuration
- Laser printer
- UPS
- Trolley
- Sheilded electrodes - 2sets
- EMG needle - 3 Set (2 adult & 1 Pead)
- Ground Electrode - 2 Nos.
- NCV elctrodes - 2 set
- Conductive paste - 3 Set (3 jar of 300 gms or more)
- Preparation gel -2 Set(2 Tubes of 130 gms or more)
- Headphones -1 No.
- LED Google -1 No.

Details of Old EMG Machine:

Make- Recorders & Medicare Systems

Model- RMS EMG, EP MARK-II

The existing EMG Machine (Buy-back) can be seen in EMG Room at NIOH, Kolkata between 12 pm to 1 pm any working day before submission of online quotation.

GENERAL INSTRUCTION AND TERMS & CONDITIONS

Cost of Tender Paper: Rs. 1000.00(Rupees One Thousand only) in favour of “**National Institute for the Orthopaedically Handicapped**”, payable at Kolkata, in the form of DD/Pay Order/Cash is to be submitted before bid opening date in bellow mentioned address:

**%National Institute for the Orthopaedically Handicapped,
B.T.Road, Bon-Hooghly,
Kolkata-700090”.**

Kindly online submit your quotation for the above item in two parts:-

Part 1- Technical Bid:-

1. Relevant and complete technical details of the product quoted, enclosing detailed product literature.
2. Compliance sheet with desired and quoted specifications given in comparative table according to tender specification.
3. Duration of Warranty / Guarantee.
4. **Location and address of nearest service point should be mentioned.**
5. Copy of latest and valid Trade license, Income Tax, VAT / Sales Tax Clearance certificate
6. Demand Draft of **Rs. 50,000/-(Rupees Fifty thousand only)** as Earnest Money Deposit (EMD) by DD/Pay Order in favour of %National Institute for the Orthopaedically Handicapped+ payable at Kolkata, must be deposited.
7. **The bidders/tenderers shall clarify /state whether he/they are manufacturer, accredited agent or sole representative indicating principals and agent quoting on behalf of their manufacturers/principals with valid document.**
8. **Bidders / Tenderers should have quality assurance certifications issued by the authorized organization.**
9. A proof of ownership/ partnership etc. shall be submitted along with address, telephone & fax no.
10. In case of bidders or tenderers furnish false information their tender/bid will be rejected and their security deposit / EMD will stand forfeited.
11. Installation/fittings to be provide by the suppliers at their own cost.
12. Demonstration, operational techniques and associated services to be provided by the suppliers/vendors at their own cost.
13. The existing EMG Machine must be taken back at the same day of delivery of new EMG Machine.

Part 2- Financial Bid

1. The price / rates for the item quoted must be valid for **06 months**.
2. All additional charges applicable such as Customs duty, Excise Duty, Sales Tax/Vat, Octroi, Packing & Forwarding charges etc. in specific percentage whether inclusive or payable extra to be indicated conspicuously.
3. Any other relevant information that the bidder may like to furnish so as to add the credibility, financial solvency, client list and past performance of the bidder.

SUBMISSION AND OPENING OF QUOTATION:

- (A). Telegraphic/ Cabled/ faxed/ e-mail etc, which are exposed Quotation will be summarily rejected.
- (B) The Technical bids will be opened first as per Central Govt. GFR.
- (C) The Financial bids of only the firms found technically suitable will be opened for evaluation.

PRICE:-

- (a). The price quoted should be F.O.R. National Institute for the Orthopaedically Handicapped, B.T.Road, Bon-hooghly, Kolkata-700090 in **Indian Rupees only**.

Price quoted should never exceed Printed / Catalogued MRP of the product inclusive of all taxes.

- (b). The price quoted should be firm and remain valid for at least six months from the date of tender.

EARNEST MONEY AND SECURITY DEPOSIT:

All quotations must be accompanied with earnest money deposit as indicated above. Quotations without EMD will be rejected. The EMD will be refunded to the unsuccessful bidders, and shall be adjusted as part of security deposit in case of successful bidder. No interest will be paid on EMD or Security Deposit.

The successful bidder will be required to deposit Bid Security @ 10% of order value including the EMD, as Security Deposit. The SD money will remain in custody of the institute till three months after expiry of warranty period or for a mutually agreed period from the date of installation / commissioning of the ordered materials.

RESPONSIBILITIES FOR EXECUTION OF CONTRACT:

The supplier is to be entirely responsible for the execution of the contract in all respect in accordance with the terms and conditions as specified in the acceptance of quotation and lawfully responsible for the supply at site and will replace any part or full, whatever the case may be, if found not in conformity with the specification as laid down. Non-fulfillment of contract as per terms and condition as stipulated shall cause forfeiting of EMD/Security deposit.

DELIVERY SCHEDULE:

If the supplier fail to deliver the stores or any part thereof within the stipulated date of delivery, the competent authority of the Institute (NIOH) will be entitled at their discretion to either:

- (a). purchase the store from elsewhere, at the cost and risk of the supplier or
- (b) recover from the supplier liquidated damages liability @ 0. 5% per week of the order value.

REMOVAL OR REJECTION:

Any stores rejected by our quality control officer/expert must be removed by the supplier and replacement made within two weeks from the date of receipt of such intimation at his risk and cost.

GURANTEE/WARRANTY AT SITE:

On site Guarantee/Warranty of the items should be for minimum 01 year and will start from the date of commissioning/installation.

CREDIBILITY OF FIRM/SUPPLIER:

- All the bidders are required to submit %letter of Authorization from the Manufacturer verifying them as their authorized agent in India+
- The bidder should have its office/representative/service provider within a reasonable distance from the institute in Kolkata and have sales/ service installations in Kolkata.

BILLING & TERMS OF PAYMENT:

Bills in Triplicate along with the Original receipted challan must be submitted to the Director, NIOH, B.T.Road, Bon-hooghly, Kolkata-700090, duly pre-receipted by affixing revenue stamp and official seal. Admissible payment will be made after final commissioning/installation and satisfactory installation certificate. **Part supply will not be accepted.**

SETTELEMENT OF DISPUTES:

All disputes or differences of any kind whatsoever arising out of or in connection with execution of this contract, whether during the progress of the supply or after their completion, shall be referred by the supplier to the Director of the Institute and the competent authority of the institute shall within reasonable time shall examine the case on its merit and on basis of any representation made in this context and notify decisions thereon in writing. The decision of the Director of the Institute shall be binding upon the supplier.

If the supplier is not satisfied with the decision of the competent authority of the Institute, on any matters in question, dispute/difference to be arbitrated upon shall be referred for the decision to the Joint Secretary, Department of Empowerment of PwDs, Ministry of Social Justice and Empowerment, Govt. of India whose decision will be final and binding on the supplier.

JURISDICTION:

The Court of Kolkata will only be the jurisdiction to deal with and decide on any dispute whatsoever arising out of this tender.

The Director of the National Institute for the Orthopaedically Handicapped, reserves the right to reject any or all the tenders without assigning any reasons or giving any explanation thereof. No claim for damages will be entertained in this regard.

In addition to above, all others terms & conditions will also be binding as applicable in Govt. of India Purchase Rule.

The above conditions are stipulated without any prejudice.

DIRECTOR(O)