

**Tender for
Supply & Installation of
EMG/NCV Machine**



File No : J-11019 (021)/2013/S&P

Issue Date : 10.09.2013

Last Date of Submission : 17.10.2013, 11.00 AM

Tender opening date (Technical bid): 17.10.2013, 02.30 PM

**All India Institute of Medical Sciences,
Bhubaneswar**

All India Institute of Medical Sciences, Bhubaneswar

Email: info@aiimsbhubaneswar.edu.in

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All India Institute of Medical Sciences (AIIMS), Bhubaneswar, Odisha, an apex healthcare institute, established by an Act of Parliament under aegis of Ministry of Health & Family Welfare, Government of India, invites sealed tenders in two-bid system for supply & installation of the following items at the institute. You are requested to quote your best offer along with the complete details of specifications, terms & conditions.

S.No.	Item Description	Quantity
1.	EMG/NCV Machine	1 (one)

(Refer Details as per Annexure-‘I’)

Quotation should be sealed and superscribed with tender number and address to:

“Administrative Officer
All India Institute of Medical Sciences,
Patrapada,
Bhubaneswar- 751019

The sealed quotations should reach the Institute, latest by 17.10.2013 at 11.00 hrs and the technical bid will be opened on 17.10.2013 at 02:30 PM in the Administrative Office, AIIMS, Bhubaneswar of the Institute in the presence of the bidder(s) or their authorized representative(s), who will present at the scheduled date and time. The list of technically qualified bidders with the date of opening of financial bid shall be hoisted in the website of AIIMS, Bhubaneswar on 19.10.2013.

Terms & Conditions:

- 1. Earnest Money Deposit:** The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of Rs. 140000/- (Rupees One Lakh Forty Thousand only) by way of demand drafts only and Rs. 1000/- as tender fees drawn in favour of the “AIIMS Bhubaneswar”. (TENDERS NOT ACCOMPANIED WITH EMD/BID SECURITY AND TENDER FEES ALONGWITH THE TECHNICAL BID SHALL BE SUMMARILY REJECTED). The demand drafts shall be drawn in favour of “All India Institute of Medical Sciences, Bhubaneswar”. The demand drafts for earnest money deposit must be enclosed in the envelope containing the technical bid.

The EMD of the successful bidder shall be returned after the successful completion of contract / order and for unsuccessful bidder(s) it would be returned after award of the contract. Bid(s) received without demand drafts of EMD shall be liable for rejection.

The firms who are registered with National Small Industries Corporation (NSIC) / OR Small Scale Industrial (SSI) are exempted to submit the EMD (Copy of registration must be provided along with).

2. **Rate:** Rates should be quoted in Indian Rupees (INR) on F.O.R Basis at AIIMS, Bhubaneswar, Odisha, Inclusive of all the Charges, with break-ups as:

- Basic Cost.
- VAT /CST as applicable.
- Insurance charges if any
- Total Cost (F.O.R at AIIMS Bhubaneswar).

3. **Validity:** The quoted rates must be valid for a period for 180 days from the date of closing of the tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, the same will be treated as unresponsive and it may be rejected.

In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and the earnest money deposit shall be forfeited without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required, without changing any terms, conditions etc. of their original tender.

4. **Warranty / Guarantee:** Bid must be quoted with five (05) year comprehensive on-site warranty / guarantee and it will be started from the date of the satisfactory installation / commissioning of goods, against the defect of any manufacturing, workmanship and poor quality of the components. Warranty would be followed by 5 year CMC (Comprehensive maintenance contract with spares) @ 3% of the cost of the Machine with 5% increment every year. Vendor would submit list of Consumables required for running the machine along with its cost. During the warranty and CMC period the supplier/ company should provide a minimum of 04 (four) preventive maintenance as routine services. After sales services must be provided in the city of installation. In situations requiring service or repair of the unit outside the city of installation, the expenditure on the account of this will have to be borne by the supplier.
5. **Uptime guarantee:** The firm should provide uptime guarantee of 95% during warranty and CMC period, with acceptance of the penalty clause in case of failure to do so.

6. **Downtime penalty Clause**

During the comprehensive warranty period, the guarantee uptime of 95% of 365 days will be ensured. In case the down time exceeds the 5% limit penalty of extension of guaranty period by two days for each additional day of down time will be enforced. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handing over the unit to the Institute.

If accessories/other attachment of the system are procured from the third party, then the vendor must produce cost of accessory/other attachment and the CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the Institute if required.

The principal supplier or their service partners are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

7. FALL CLAUSE

If, at any time, during the said period, the supplier reduce the said prices of such Stores/Equipment or sales such stores to any other person/organization/Institution at a price lower than the chargeable, he shall forthwith notify such reduction or sale to the Director, All India Institute of Medical Sciences (AIIMS) Bhubaneswar and the price payable for the Stores supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

The supplier shall furnish the following certificate to the Accounts Officer (TC) along with each bill for payment for supplies made against in Rate Contract Tender.

"I/We certify that the Stores of description identical to the Stores supplied to the government under the contract against Tender herein have not been offered/sold by me/us to any other person/organization/Institution upto date of bill/the date of completion of supplies against all supply orders placed during the currency of the tender/rate contract at the price lower than the institute under contract /against tender".

- 8. Delivery & Installation:** All the goods ordered shall be delivered & installed within 4 weeks from the date of issuing purchase order. All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier.

If the supplier fails to delivered, installation and commissioning of the goods on or before the stipulated date, then a penalty at the rate of 2% per week of the total order value shall be levied subject to maximum of 10% of the total order value.

- 9. Performance Security:** The supplier shall require to submit the performance security in the form of irrevocable Bank Guarantee (BG) / or Fixed Deposit Receipt (FDR) issued by any Nationalised Bank for an amount of which is equal to the 10% of the order value and should be kept valid for a period of 30 day beyond completion of all the contractual obligation including CMC period.

10. Payment Term:

- 70% payment of the total order value shall be released after the successful installation/ commissioning of the ordered goods against the submission of the test report.

- Balance 30% of the order value shall be released within one month after successful installation, commissioning & functioning of the equipment and the submission of the performance security.
11. Bidder shall submit a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.
 12. Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid.
 13. After due evaluation of the bid(s) Institute will award the contract to the lowest evaluated responsive tenderer.
 14. Conditional bid will be treated as unresponsive and it may be rejected.
 15. The Institute reserves the right to accept in part or in full or reject any or more quotation(s) without assigning any reasons or cancel the tendering process and reject all quotations at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).

16. **TENDER EVALUATION**

Tenders evaluation will be done in **two stages**:

- a. Technical bid and
- b. Price bid.

Each bid to be submitted in separate sealed envelopes super-scribed as “Technical Bid” and “Price Bid” respectively. All these 2 envelopes should be put in another envelope marked as “**Tender for EMG/NCV Machine for AIIMS, Bhubaneswar**” sealed with sealing wax.

TECHNICAL BID:

The firm should submit the technical bid in a sealed cover separately super-scribing “**Technical Bid for EMG/NCV Machine**” along with Name and address of the Bidder. Technical bid should contain:

- a. The name of items with specification and makes/brands of the items, indigenous or imported with name of manufacturer & address must be enclosed.
- b. Literature and catalogues in support of items quoted must be enclosed.
- c. Whether the items quoted is as per specification, if not the statement of deviation (Parameter wise) from the tender technical specification must be enclosed.
- d. Details about the
 - i. Past experience (in years).
 - ii. Spares & services after the sale of the equipment.

- e. Undertaking for providing CMC for 5 years after 5 years Warranty
- f. Undertaking by manufacturer of equipment for servicing the equipment & supply of spare parts whenever required at least for 5 years after completion of warranty/Guaranty.
- g. Name, Address, Phone & Fax No. of Service Centre at Bhubaneswar or nearby.

The Committee constituted by the Director will technically evaluate the items on the basis of specification as per Annexure I, make/brand quoted; literature enclosed, sample submitted wherever asked, the authority from manufacturer for the item etc. The items accepted technically will only be considered for price evaluation (price bid). Price should not be quoted with technical bid, otherwise the tender will be rejected without any correspondence.

PRICE BID:

Should be submitted in a separate sealed envelope super-scribing the word **“Price Bid for EMG/NCV Machine”** along with Name and address of the Bidder.

The price should indicate all inclusive lump sum price including cost of the item, freight, insurance, transit insurance, packing, forwarding, sales tax, excise duty, VAT, Octroi etc. and charges for installation and commissioning. No other charges in addition will be payable on any account over and above the lump sum price quoted. Offers with price variation clause will not be accepted. The rates quoted in ambiguous terms such as “Freight on actual basis” or “Taxes as applicable extra” or “Packing forwarding extra” will render the bid liable for rejection irrespective of its gradation in respect of lump sum prices quoted.

Bidders shall indicate the actual rate of octroi, excise duty, sales tax, VAT, etc. which will be payable.

Price quoted should be in Indian currency (INR).

17. Applicable Law:

- The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.
- Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Bhubaneswar, Odisha, India only.
- The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Bhubaneswar. The decision of the Arbitrator shall be final and binding on both the parties.
- Force Majeure: Any delay due to Force Majeure will not be attributable to the supplier.

Annexure - I
Specifications For EMG/NCV Machine

EMG/EP/NCS system should have following specifications.

1. Should have Nerve Conduction Studies MCS, NCS, F wave, H reflex, Collision, Blink reflex, RNST, Inching studies & CCV with temperature probe.
2. Main Unit should be connected to the Computer through the latest and powerful USB 2.0 Interface
3. Must have 18 bit A/D conversion for high fidelity waveforms.
4. Must have Compact operation panel for easy management of waveforms and latency marking.
5. 12 channel system with head montage junction box with user configurable channels.
6. Two channel monophasic/biphasic constant current electrical stimulator, upgradable to 4 electric stimulator with artifact compensation and temperature measurement for CCV.
7. Input impedance: above 200 M ohms differential mode
8. Sensitivity 1 micro volt per division to 10 milli volt per division
9. Noise < 0.6 micro volt RMS
10. Common mode rejection ratio: above 112 dB isolation mode
11. Low filter settings: 0.01 Hz to 3 KHz and high filter settings: 10 Hz to 20 KHz with AC interference notch filter 50 Hz
12. Amplitude calibration 1 micro volt to 10 milli volt
13. Averager: 18 bits, number of averaging 9,999,
14. Electrical Stimulator: 2 channels monophasic / biphasic, constant current with artifact compensation
15. 8 Channel External input and External Output and Line I/O
16. Should have option of configuring upto 42 different protocols in NCV/EMG
17. Should have option of connecting stimulation pods with multiple output ports.
18. Should have compact stimulating electrode with convenient dials for stimulation intensity adjustment and delivery of electric stimulation with two user configurable switches.
19. System should have at least 1 triggers input / output, upgradable to 6 Triggers.

20. Must have Single Fiber EMG, Macro EMG, Stimulated SFEMG, and QEMG with the system.
21. User should be able to open at least 8 test protocols simultaneously.
22. Programmable measurement conditions up to 300 or more examination conditions
23. Should have EMG (Free run needle EMG, MUAP analysis, Interference pattern, Auto MUP detection and classification, and real time turn amplitude analysis) with continuous storage of live EMG for minimum 10 minutes up to 99 sites. The system should have QEMG, Single fiber EMG, Stimulated SFEMG and Macro EMG.
24. EMG play back with waveform and sound for minimum 10 minutes should be possible in any PC.
25. Must have Single Fiber EMG, Macro EMG, Stimulated SFEMG, and QEMG with the system.
26. Should have Brain stem auditory evoked potentials with click, burst & tone pip stimulation (ABR, MLR, SVR & EcochG).
27. Should have automatic separation of AP and CM waveforms in EcochG.
28. Should have Visual Evoked Potentials with Pattern and LED goggles (ERG, EOG PRVEP & LEDVEP) – EOG velocity waveform display with original EOG signal.
29. Should have Somatosensory Evoked potentials with signal triggering and back averaging (SEP, SSEP, ECG triggered SSEP and ESCP) simultaneous SSEP and SEP measurement.
30. Must have user friendly Data base management software and study schedule program for easy data management.
31. Should have provision of EEG data review in the EMG system.
32. Should have Microsoft SQL Server based report generator for strong data base management.
33. On-screen examination guide / Neuro navigator.
34. Should be able to perform Skin electrode impedance check at both junction box and console 2 to 20 K ohm
35. Should have option of directly interfacing high voltage stimulator in future without additional hardware
36. Should have option of P-300, MRCP & CNV.
37. Should have provision of setting up more than 10 user accounts for more than 50 user setting protocols.
38. Should have autonomic Nervous System testing with SSR, RR interval & Microneurography.

39. Should have facility of exporting data to csv or any other suitable format for analysis with MATLAB or any other third party software.

40. Branded PC with strict in-house quality checks by manufacturer to comply with medical equipment standard.

a) PC Should be with 3rd generation i7 processor, 4 GB RAM, 500 GB Hard Disk, 8 USB ports or better

b) Built in DVD Super Multi Drive

c) With 22" color TFT LCD display

d) Suitable latest Windows operating system

e) Supplied with Monocolour Laser Printer

f) Supplied with online UPS with min 30 minutes back up

41. Stimulus software

a) Should be supplied with a stimulus presentation software with pre-configured Stimulus lists

b) Should be Capable of playing movies

c) Should Support for JPEG, GIF, PNG, and TIFF files

d) Should have Trial variables for user configurable protocols

e) Conditional branching (if/then/else)

f) Should be Unicode compliant

g) Should be supplied with response pads

42. Should be supplied with following accessories

a) Shielded EP electrodes – 2 sets

b) Conductive paste (3 Jars of 300 gms) - 2 sets

c) Skin preparation gel (Set of 2 tubes) - 2 sets

d) EMG disposables needles (Box of 25) - 1 boxes (Pead size)

e) EMG disposables needles (Box of 25) - 2 boxes (adult size)

f) Single fibre EMG needle - 2 Nos.

g) Temperature probe - 1 No.

h) Acoustically shielded Head Phones - 1 No.

i) Insert Ear Phones - 1 No.

j) 17" VEP Monitor - 1 No.

k) LED Goggles - 1 No.

43. system should have following Safety Standard

a) Manufacturer should have ISO certification for quality standards.

b) Should be USFDA & CE approved product.

c) Should be IEC 60601 -1 approved for electrical safety of Medical Equipment.

d) Shall meet IEC 60601-2-040 Safety requirements

44. Warranty: 5 years comprehensive warranty as per AIIMS Bhubaneswar norms.

Annexure-II

Inviting of sealed quotations for supply and installation of EMG/NCV Machine at AIIMS, Bhubaneswar

TECHNICAL BID

Name of Firm/Contractor/Supplier	
Complete Address & Telephone No.	
Name of Proprietor/Partner/Managing Director/Director.	
Phone & Mobile No.	
Name and address of service centre near by Bhubaneswar.	
Whether the firm is a registered firm Yes/No (attached copy of certificate)	
PAN No. (enclose the attested copy of PAN Card)	
Sales/Service Tax No. (enclose the attested copy of Service Tax Certificate)	
VAT No. (enclose the attested copy of VAT Certificate)	
Whether the firm has enclosed the Bank Draft/Pay Order/Banker's cheque of Rs.140000/- as Earnest Money Deposit. Rs 1000/- as Tender Fees	
Whether the Firm/Agency has signed each and every page of Tender/NIT	
Please provide full list of consumables.	
Any other information, if necessary	

Authorized signatory of the bidder with seal.

Annexure-III

Financial Bid

(To be submitted on the letterhead of the company / firm)

Sl. No	Name of Item	Quantity	Rate	Vat/Taxes etc	Amount
1.	EMG/NCV Machine	1			

1. I/We have gone through the terms & conditions as stipulated in the tender enquiry document and confirm to accept and abide the same.
2. No other charges would be payable by the Institute.

Authorized signatory of the bidder with seal.