



NIMHANS/2019-20/IND354

31/08/2019

TENDER NOTIFICATION
(Through e-procurement portal only)

The Director, NIMHANS invites tender from eligible tenderers through the Karnataka Government E-Procurement portal for supply of following equipment.

Sl. No.	Name of the Item	Qty	EMD (in Rs)
1.	Functional Near-Infrared Spectroscopy (fNIRS) System	01	1,20,000/-

Tender Schedule

Downloading of Tender documents from website - https://eproc.karnataka.gov.in/eportal/index.seam	From 31.08.2019 Onwards
Last date for tender enquiry	20.09.2019 upto 11:00 AM
Tender submission last date and time	30.09.2019 upto 11:00 AM
Technical bid will be opened online by the authorized officer on	01.10.2019 at 11:00 AM

Terms and conditions

1. The bid documents for the above items should be **addressed to “The Director, National Institute of Mental Health & Neuro Sciences, Post Box No. 2900, Hosur Road, Bengaluru – 560 029, Karnataka, India”** and should be uploaded in E Procurement portal only on or before the **due date (HARD COPY OF THE DOCUMENTS WILL NOT BE ACCEPTED)**.
2. The tender bid should be valid for **four months** from the due date. **NIMHANS, Bengaluru will not take any responsibility for any technical issues.**
3. **Earnest Money Deposit (EMD):**
 - 3.1. The (EMD) shall be denominated in Indian Rupees and shall be paid in the e-procurement portal using the following payment modes:
 - a. Credit Card.
 - b. Direct Debit.
 - c. Net Banking
 - d. National Electronic Funds Transfer (NEFT)
 - 3.2. The EMD shall not bear any interest and will be refunded to
 - a. Successful tenderer on receipt of Agreement and Bank Guarantee.
 - b. Unsuccessful tenderer upon finalization of tender bid and award of tender to successful bidder.
 - c. All the tenderers if the tendered item is cancelled or retendered.
 - d. EMD amount is exempted, if there enclose valid NSIC/MSME Certificate.
4. The tender documents and all correspondence’s relating to the bid should be in **English language only**.
5. **Technical bid should comprise of (uploaded copy of documents should be self attested and stamped) -**



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- 5.1 Brochure/Catalogue and Data sheet of the equipment.
- 5.2 Proprietary certificate from the manufacturer mentioning the unique technology or feature/s mentioned apart from the brand name (If applicable).
- 5.3 Pre requirements required at the installation site (Before submitting the bid, the tenderer should make pre-visit to the installation site and indicate the requirement along with the price bid wherever necessary)
- 5.4 Delivery Period of the item to be supplied and Time required for installation from the date of purchase order has to be indicated.
- 5.5 List of Institutes where the equipment has been supplied.
- 5.6 Copy of GST, PAN, TIN document
- 5.7 Whether tenderer is manufacturer / accredited agent / sole representative, indicate details of principal's name & address. The offers of tenderer who are not manufacturer or direct authorized agent will be summarily rejected. Sub- distributors will not be accepted.
- 5.8 Non – blacklisting certification that the firm has not been blacklisted in the past by any government/Private institution and certification for No Vigilance/CBI case pending against the firm/supplier by making an affidavit on non – judicial stamp paper of Rs 100/-.
- 5.9 Declaration towards acceptance of all terms and conditions should also be provided.

6. Financial Bid should comprise of:

6.1. Quotation should be only for Ex-NIMHANS i.e. NIMHANS Door Delivery Price and should have detailed information as per tendered specifications (such as main equipment cost, each article wise/spares rates, taxes, other Government levies, Customs duty, any local agency commission, transportation, delivery of the equipment to the Institute premises, installation and commissioning etc. Separately along with total cost) with manufacturers name, License number and name of the brand/make. Tender bids without price bid/quotation will be rejected.

Detailed breakup of the cost should be provided under icon “Action column” by clicking the % symbol which will be mentioned as Added statutory components .

6.2. The cost of the Functional Near-Infrared Spectroscopy (fNIRS) System will be freezed for 1 Year from the date of purchase order; however the discretion towards purchase of the equipment will be at the discretion of the institute.

6.3. The tenderer should also submit separate quotation towards regular servicing/maintenance duly mentioning the number of visits per annum for the AMC/CMC period after the guarantee/warranty period is over. AMC/CMC should be quoted in INR only.

7. Successful tenderer decision will be made on the basis of base price, However the institute reserves the right to freeze the quoted AMC/CMC price for post warranty period with the successful tenderer.

8. The tender bids (technical and price bid) should be typewritten; every correction in the tender should be initialed along with seal by the tenderer, failing which the tender will be rejected. All pages of the bid submitted must be signed along with seal and sequentially numbered by the tenderer.



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9. Evaluation of Bids:-

The technical bid of the tenderer will be evaluated to determine whether

- a. They are complete with respect to specifications.
- b. They are free from computational errors.
- c. The requisite documents have been submitted and properly signed.

10. Tender Opening:

- a. The Technical bids will be unlocked through E procurement portal in the Committee Room, Adjacent to Registrar Chamber, NIMHANS, Bengaluru on the date specified in presence of tenderers or their representatives who choose to attend. The Tenderers' or representatives who are present shall submit authorization letter along with copy of Photo id proof and shall sign a register evidencing their attendance.
- b. The Financial bid of the technically qualified tenderer/s only will be opened on a notified date.

11. Equipment and its accessories should be covered with **minimum warranty period of 5 years** for normal or regular wear & tear from the date of complete installation (Ready to use in all respects). In case of software's, the validity of the license key should be clearly mentioned and should have user define provision with option to switch over from one system to other system of the same kind within the validity period.

12. Software Updates:

The selected firm for the supply of tendered item should provide free updates of software up to 5 years from the date of complete installation.

13. Supply of spares should be guaranteed for a minimum period of 10 years from the date of supply or from the date of cessation of production of the model for 10 years, whichever is later, at the rates prevailing against payment.

14. Any modification or revision of bids after submission will not be entertained under any circumstances. Conditions such as "subject to the availability of stocks", supplies will be made as and when supplies received from the principles etc., will not be considered under any circumstances.

15. A tenderer having once given a tender bid shall not withdraw it after its acceptance/opening and if does, the EMD paid by the tenderer will be forfeited and the tenderer is liable to make good the loss sustained.

16. If required, the tenderer should demonstrate the quoted model of the equipment at the institute during the technical evaluation, failing which their bid/offer shall be rejected. The tenderer will be intimated that they should get ready for demonstration. No request for extending time for demonstration will be entertained. Failure to demonstrate, their offer will be rejected.

17. The tenderer should supply the circuit diagram and instruction manual of the tendered equipment/s at the time of supply of the equipment.



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18. Necessary training / instructions on operation of the system should be given by the qualified engineers of the tenderer firm to NIMHANS technical staff/s at free of cost after completion of the installation.
19. The successful tenderer should immediately submit an acceptance letter duly signed and sealed for the rate/s and offers agreed by both the parties to the Head of the Institution within reasonable time on receipt of the Purchase Order (Agreement Specimen will be enclosed with Purchase order & Stamp duty to be paid by the tenderer). The successful tenderer should also furnish a Bank guarantee only from a Nationalized bank to the extent of 10% of the total purchase order value, valid for 60 days beyond the completion of the warranty period of the equipment, no split period bank guarantee will be entertained. In the event of the successful tenderer failed to supply the item/execute the agreement/submit the Bank Guarantee the EMD deposited by them shall stands forfeited.
- 20. Payment terms:**
Payment will be made only after good working condition of the equipment certified by the end user. NO ADVANCE PAYMENT WILL BE ENTERTAINED.
- 21. Uptime Guarantee:**
Penalty Clause for non-functioning of equipment in term of hardship to the patients and financial loss to institute: 95% up time of 365 days (24 hours a day) that is from the day of successful handing over of the whole complex. The company takes the responsibility for the functioning of all the components and equipment, including the third party items supplied and included in the project. The total downtime annually for any reason/involvement of any of the components cannot exceed 5% (all inclusive). Subsequently if downtime exceeds 5% of 365 days, 1% of PO Value will be levied as penalty for every 24 hours of downtime until 7 days from the day of breakdown. If downtime exceeds 7 days the penalty will be 2% of PO Value from the date on which the equipment broke down beyond 5% permissible downtime. In addition to this, warranty period will be extended at double the rate of the downtime period.
22. If, at any time, during the said period, the supplier reduce the said prices of such Materials/Equipment or sales such Materials/Equipment to any other person/organization/ Institution at a price lower than the chargeable, the company shall forthwith notify such reduction or sale to the Director, NIMHANS and the price payable for the Materials supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.
23. The losses to NIMHANS, Bengaluru, if any incurred on account of purchase made elsewhere by failure, neglect or refusal on the part of the tenderer to supply according to the terms of agreement will be recovered from them. If any article or things supplied by the tenderer have been partially or wholly used or consumed in the hospital and they are subsequently found to be in bad condition, unsound, inferior in quality or description, not in accordance with samples or otherwise faulty or unit for use, the wholesome of the contract price or price of such articles or things will be recovered from the tenderer. The tenderer will not be entitled for any payment whatsoever, for such articles for infringements of the stipulation of the conditions or for justifiable reasons the contract may be terminated by the Director and the tenderer shall be liable for losses sustained by the NIMHANS on the consequences of the termination which



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may be recovered from the EMD/Bank Guarantee or from their invoices due to them. In the event of such amount being insufficient, the balance will be recovered personally from the tenderer.

24. Any corrections/changes in the tender will be uploaded as corrigendum in the NIMHANS and E procurement websites only.
25. If the tender last/opening date falls on any general/government/institute holiday(s), then the successive dates will be postponed by equivalent days of holiday(s), however the time remains unchanged.
26. The Director reserves the right of ordering/not ordering/cancelling/increase or decrease the quantity and to reject any or all tender quotations without assigning any reason. The decision of the Director, NIMHANS, Bengaluru, shall be final in all the controversies that may arise in the matter. Any dispute arising out of this will be subject to the jurisdiction of the Court in Bengaluru.
27. Failure to adhere any of the above terms and conditions the bid(s) may be rejected and EMD may be forfeited.
28. None of the terms and conditions of the supplier shall be applicable to the purchase contemplated hereunder, irrespective of it being attached to any documents to be provided to NIMHANS. Such exercise shall have no meaning and binding effect unless the same is accepted by NIMHANS in writing.

NOTE: Please keep checking the NIMHANS and E-Procurement websites regularly for any further updates.

Sd/-
Director



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DECLARATION
(TO BE GIVEN BY THE TENDERER)

Name of the Item : Functional Near-Infrared Spectroscopy (fNIRS) System
Tender Reference No. : NIMHANS/2019-20/IND354 Dated 31.08.2019

Name of the company :

To

The Director,
National Institute of Mental Health & Neurosciences
(Institute of National Importance)
Post Box No. 2900,
Hosur Road, Bengaluru – 560 029

Dear Sir,

1. I/We hereby submit my/our tender for the
2. I/We have made requisite payment against EMD as per the tender document vide reference No. & date, else my tender bid may be rejected.
3. I/We have gone through all terms and conditions of the tender documents before submitting the same.
4. I/We hereby agree to all the terms and conditions, stipulated by the NIMHANS, in this connection including delivery, warranty, penalty etc. Quotations for each group are being submitted and shall be considered on their face value.
5. I/We undertake to sign the contract/agreement, if required, within reasonable time from the date of issue of the letter of acceptance, failing which our/my security money deposited may be forfeited and our/my name may be removed from the list of suppliers at the NIMHANS, Bengaluru.

NOTE: ALL TERMS & CONDITIONS SUCH AS TAXES/LEVIES ETC, HAS BEEN INDICATED IN THE QUOTATIONS FAILING WHICH IT WILL BE PRESUMED THAT THE RATES ARE INCLUSIVE OF ALL TAXES/LEVIES AND OTHER TERMS AND CONDITIONS ARE ALSO AS PER YOUR REQUIREMENTS.

Yours faithfully,

Signature of Tenderer & seal



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**CHECK LIST
(TO BE FILLED BY THE TENDERER)**

1	Name & Address of the Tenderer	
2	Name & Address Of the Manufacturer	
3	Name of the Equipment & Model Quoted	
4	Validity of the Quotation	Four months from the due date
5	a. Delivery Period b. Warranty Period c. Installation Period	5 years
6	Tender Bid details (Yes or No against each item)	a. Application Fee submitted
		b. EMD submitted
		c. Brochure/Catalogue uploaded
		d. Manufacturer Proprietary certificate uploaded
		e. Pre requirements details uploaded
		f. List of users uploaded
		g. Copy of GST/PAN/TIN & Bank details uploaded
		h. Distributor authorization letter uploaded
		i. Non-blacklisting certification uploaded
		j. Declaration enclosed
		k. Ex-Nimhans equipment cost quoted
l. AMC & CMC cost after 5 years warranty		
8	Training will be provided (Yes or No)	
9	a. Whether after sales, service is available in Bengaluru? If yes, quote	
	b. What is the arrangement for post contract / warranty monitoring of the equipment?	
10	Details of the EMD Submitted (Reference no., date & bank details)	
11	Any Other Information (Enclose separately in letter head – Yes or No)	

Signature of Tenderer & seal



Department		Clinical Psychology		Functional Near-Infrared Spectroscopy (fNIRS) System	
End User Contact Details					
Name		Dr. Jamuna Rajeswaran			
Designation		Professor, Dept. of Clinical Psychology			
Mobile No.		9880092042		EMD	Rs 1,20,000/-
Office No.		+91-80-26995180/5453			
Email		drjamunarajan@gmail.com			
Sl. No.	Name of the Item & Specification				Qty
1.	<p>fNIRS system should be compatible for multi-modal measurements with EEG, eye-tracking, cochlear implants, TMS, tDCS, EMG, pulse oximetry, and other modalities for concurrent measurements. It should be Portable and fully integrated with EEG for concurrent studies, with 8 sources, 8 detectors, caps and accessories.</p> <p>1. Hardware</p> <ol style="list-style-type: none"> Portable & user-friendly system to measure hemodynamic neuro-activation via Hbdeoxy, Hboxy, Hb total changes in the cerebral cortex for humans & can be upgradable for use in small animals. Freely configurable source & detectors montages to measures anywhere/ whole head, concurrently with (nearly) any other modality such as EEG and tDCS within a single cap. 4 pcs Caps, each with 128 positions for Detectors and Sources, so that the montage is fully configurable. The system should work on Two wavelengths – 760 nm & 850 nm. 1 x Over Cap to cover the probes mounted on the caps. Sampling Rate 2.5 - 62.5 Capable of short-distance and multi-distance (tomography, 3D depth) measurements Real Time data streaming for client access. The amplifier should run on battery and a separate charger to be provided for the same. Should be CE/FDA/ equivalent certified. <p>2. Sources & detectors</p> <ol style="list-style-type: none"> 8 LED sources with dual wavelength output. 8 Detectors optodes with 9 levels of programmable/automated gain adjustment to maximize dynamic range of measurement. Each source and detectors should be user replaceable Each detector should have 2 lenses for a wider area of detection. The system should be expandable to 16 sources and 16 detectors, and upto 256 channels of data in tandem. <p>3. Software</p> <ol style="list-style-type: none"> For presentation, Data Acquisition, Data analysis, Topography and Tomography from the same manufacturer Real-time data streams, brain activation, and block averages - data exportable for analysis in any environment import files in MATLAB offline. 				1 No.



- 3.3 For pre-processing, brain activation animations, statistical parametric mapping - data export
- 3.4 Real-time topographic displays (Hbdeoxy, Hboxy, Hbttotal).
- 3.5 Programmable display capability to highlight pre-selected sensor locations.
- 3.6 On-line frequency filtering of displayed results.
- 3.7 User GUI for specification of custom optode configurations
- 3.8 3D Depth-discrimination, time multiplexing, dynamic gain state switching
- 3.9 Real Time data access to develop own BCI/NFB applications.
- 3.10 Sensor registration onto anatomical displays (scalp, cortical, MNI brain).
- 3.11 User directed comment box for information logging.
- 3.12. Export the processed data at multiple steps as Raw Pre-processed, Raw Filtered, Hemodynamic States (oxy- and deoxy-Hb).
- 3.13 Should have capacity for real-time data collection, visualization & data streaming, Digital Trigger (I/O) to synchronize experiments (for example from E-Prime, BCI & Neurofeedback)
- 3.14 should be supplied with software for Neurofeedback, real-time data analysis and Brain computer interface (BCI) from the same manufacture.

4. Mandatory accessories

- 4.1. Interface for BCI and related open source software.
- 4.2 Workstation computers-1: One workstation computer with high end processing capacity with state-of-the-art technology to run the software, image display, and storage of the data as per the specifications (equivalent capacity or higher capacity).
- 4.3 1KVA APC online UPS that can service all the hardware.

Workstation Computer Specifications:

Latest generation i5 or higher Intel® Core processor, with NVIDIA® Quadro® P1000 (4 GB) supporting extended dual display, 32 GB RAM, High Definition Integrated Realtek ALC221 Audio and integrated speaker as well as USB Powered Speakers, 2TB storage, USB keyboard, Optical USB mouse, Windows 10 Pro 64 OS / Equivalent OS as required by the stimulus presentation and analysis software, two 24 inch monitors

5. Features

- 5.1 Measurement in Time multiplexing with 10^9 dynamic gain state switching
- 5.2 Functional Resolution 5mm (with 7.5mm source-detector spacing)
- 5.3 Ability to run full or partial sensing configurations.
- 5.4 Programmable source firing sequence to support multi-site brain studies (e.g., left and right hemispheres).
- 5.5 Automated logging of input triggers from 3rd party devices.
- 5.6. User-controlled manual trigger input.
- 5.7. Multiple real-time display screens.



5.8 Montage viewing options: Glass view, optode locations and standard EEG positions (international 10-10 system).

5.9. Should be capable of Tomographic (Multi-Distance) Imaging, could be used for either the 'standard' 3cm fixed-distance (topographic) measurements, or multi-distance (tomographic) measurements, to be able to discriminate the depth of blood flow, improving the neuroimaging accuracy.

Quote must have a compliance report on all the above points.

Warranty: 5 years

Optional

- Quotation for comprehensive maintenance care after 5 years of warranty (Detailed list of spares with their price for each item which comes under CMC have to be enclosed in the price bid of the eportal, while bidding in eportal for CMC, total price of the items which comes under CMC have to be considered).
- Quotation for annual maintenance care after 5 years of warranty