



NATIONAL INSTITUTE OF MENTAL HEALTH & NEURO SCIENCES

(Institute of National Importance),

P.B. No. 2900, Hosur Road, Bengaluru – 560 029

Ph: 26995024/5913/5923

E-mail: aaos@nimhans.ac.in

Fax: 080-26571563/26564830/2121/6811

Website: www.nimhans.ac.in/tender

E-Procurement Global Tender No.STR–D1/NIMHANS/2019-20/IND597

D:20.02.2020

GLOBAL 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	Quantity (in Nos.)	EMD (in INR`)
1.	SUPPLY OF SINGLE AUTOMATED LIQUID HANDLING SYSTEM FOR NUCLEIC ACID EXTRACTION AND LIBRARY PREPARATION FOR NGS	01	2,00,000/-

Tender Schedule

Downloading of Tender documents from website https://eproc.karnataka.gov.in/eportal/index.seam	From 20.02.2020 Onwards
Last date for tender enquiry	29.02.2020 upto 11:00 AM
Tender submission last date and time	11.03.2019 upto 11:00 AM
Technical bid will be opened online by the authorized officer on	12.03.2019 at 11:00 AM

Sd/-, Director

TENDER DOCUMENT
Terms and conditions

- The bid documents should be uploaded in E Procurement portal only on or before the **due date**.
- The tender bid should be valid for **four months** from the due date. **NIMHANS, Bengaluru will not take any responsibility for any technical issues.**
- Earnest Money Deposit (EMD):**
 - The (EMD) shall be denominated in Indian Rupees and shall be paid in the e-procurementportal using the following payment modes:
 - Credit Card.
 - Direct Debit.
 - Net Banking
 - National Electronic Funds Transfer (NEFT)
 - The EMD shall not bear any interest and will be refunded to
 - successful tenderer on receipt of Agreement and Bank Guarantee.
 - unsuccessful tenderer upon finalization of tender bid and award of tender to successful bidder.
 - all the tenderers if the tendered item is cancelled or retendered.
- The tender documents and all correspondence's relating to the bid should be in **English language only**.



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5. Technical bid should comprise of (uploaded copy of documents should be self attested and stamped) -

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 tenderers 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 ₹ 10/-.

5.9 Declaration towards acceptance of all terms and conditions should also be provided.

6. Price Bid should comprise of-

6.1. Quotation should be only for DAP 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 "Action Column" by clicking the "%" symbol which will be mentioned as Added Statutory Components.**

a) In case of Import, Customs Duty will be considered only at 5.5% of the total Purchase order value and the required Customs clearance documents will be provided by NIMHANS on prior intimation (at least 7 working days prior intimation) of shipment along with details and relevant documents from the supplier.

b) If the tenderer is quoting in Indian Rupees (INR) for items NOT MANUFACTURING IN INDIA (NMIC), the CUSTOM DUTY EXEMPTION CERTIFICATE WILL NOT BE ISSUED BY THE INSTITUTE. The Rate quoted should be inclusive of Custom duty & other incidental charges.

6.2. Exchange rates for Foreign Currency will be considered as per the closing value on previous working day from website <https://rbi.org.in/scripts/ReferenceRateArchive.aspx> (only for GBP, EURO, USD & JPY) and for other currencies as per the decision of the Institute.

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7. Successful tenderer decision will be made on the basis of clause 6.1
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.

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.

NIMHANS will inform all the Technically Qualified Tenderers through e-tendering system, after decryption of their Financial bid which could be viewed automatically by the respective technically qualified tenderers. In this regard no separate intimation shall be made by the Purchaser.

11. Equipment and its accessories should be covered with **minimum warranty period of 05 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 05 year 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.



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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.
18. Necessary training / instructions on operation of the system should be given by the qualified engineers of the tenderer firm to NIMHANS technical staff/sat 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:

- 18.1 Payment will be made only after good working condition of the equipment certified by the end user. **NO ADVANCE PAYMENT WILL BE ENTERTAINED.**
- 18.2 In case of foreign payments made by Letter of Credit (LC) or wire transfer, bank incidental charges within India will be borne by the Institute and outside of India should be borne by tenderer.
- 18.3 Any amendment or extension of LC sought by the tenderer thereafter should be borne by the tenderer.

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). No penalty will be levied for the first 24 hours after breakdown. Subsequently, 1.00 Lakh 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 2.00 Lakh/day from the date on which the equipment broke down. In addition to this, warranty period will be extended at double the rate of the downtime period.



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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 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 UPLOADED BY THE TENDERER)

Sl. No. of the Item :

Name of the company(tenderer) :

To

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

Dear Sir,

1. I/We hereby submit my/our tender bid for the
2. I/We have remitted the application fee and EMD of `through Credit Card/Direct Debit/Net Banking/National Electronic Funds Transfer (NEFT).
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, Installation, Warranty, Penalty etc. All relevant documents and Technical bid are uploaded as per the tender terms and conditions. Any violation in uploading the documents, my/our tender bid may be disqualified.
5. Financial bid is quoted as per tender terms and conditions clause no. 6, failing which it will be presumed that the rates are door delivery price.
6. Tender bids are duly signed (No thumb impression should be affixed).
7. 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.

Yours faithfully,

Signature of Tenderer & seal



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CHECK LIST
(TO BE UPLOADED 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	4 months from the due date																														
5	a. Installation Period b. Warranty Period	30 Days from the date of site handover 5 Years from the date of successful installation																														
6	Technical Bid (Yes or No against each item)	<table border="1" style="width: 100%;"> <tr><td>a.</td><td>Application Fee submitted</td><td></td></tr> <tr><td>b.</td><td>EMD enclosed submitted</td><td></td></tr> <tr><td>c.</td><td>Brochure/Catalogue & Data Sheet enclosed</td><td></td></tr> <tr><td>d.</td><td>Manufacturer Proprietary certificate enclosed</td><td></td></tr> <tr><td>e.</td><td>Pre requirements details enclosed</td><td></td></tr> <tr><td>f.</td><td>List of users enclosed</td><td></td></tr> <tr><td>g.</td><td>Copy of GST, PAN, TIN document</td><td></td></tr> <tr><td>h.</td><td>Distributor authorization letter</td><td></td></tr> <tr><td>i.</td><td>Non-blacklisting certification enclosed</td><td></td></tr> <tr><td>j.</td><td>Declaration enclosed</td><td></td></tr> </table>	a.	Application Fee submitted		b.	EMD enclosed submitted		c.	Brochure/Catalogue & Data Sheet enclosed		d.	Manufacturer Proprietary certificate enclosed		e.	Pre requirements details enclosed		f.	List of users enclosed		g.	Copy of GST, PAN, TIN document		h.	Distributor authorization letter		i.	Non-blacklisting certification enclosed		j.	Declaration enclosed	
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7	Financial Bid Submitted (Yes or No against item a & b, currency symbol against item c)	<table border="1" style="width: 100%;"> <tr><td>a.</td><td>NIMHANS DAP equipment cost quoted</td><td></td></tr> <tr><td>b.</td><td>5 years warranty</td><td></td></tr> <tr><td>c.</td><td>Currency in which financial bid is quoted</td><td></td></tr> </table>	a.	NIMHANS DAP equipment cost quoted		b.	5 years warranty		c.	Currency in which financial bid is quoted																						
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8	Training 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	What is the Agency commission payable? If applicable																															
11	Details of the EMD Submitted	Transaction No..... for `..... Bank name:																														
12	Any Other Information (Enclose separately in letter head – Yes/No)																															

Signature of Tenderer & seal



For Contact:

Dr. Gautham Arunachal Udipi

Assistant Professor, Department of Human Genetics

Contact No: 0802699-5337

Mobile No: +919597023525

SPECIFICATIONS:

A. Technical:

1. **Single benchtop [All in one instrument] Automated liquid handling system which is capable of both nucleic acid Extraction from any tissue and library preparation for Next Generation sequencing, qualified for use by Illumina and certified by ISO 9001, 13485 and 14001 certified.**
2. Instrument should be completely software driven with accessories and high-quality consumables for reliable and reproducible NGS library preparation and with compatibility for maximum number of NGS kits including at least **15 of Illumina kits.**
3. Automation system should support pipetting-intensive NGS library preparation protocol into a ready-to-run procedure with minimal user-interventions
4. **Instrument must have enclosure with UV decontamination and air filter inbuilt in the system without the need for a separate hood/cabinet for contamination-free pipetting**
5. Instrument should have very high pipetting accuracy in terms of **random measurement error of $\pm 1.6\%$ of 1 μL volume measured by Artel MVS®** using single channel tool with volume range from 1 μL to 50 μL .
6. Pipetting performance specifications must be measured based on ISO 8655-6
7. System must be upgradable in future with 200 nL dispensing tool for addition of minimum possible volume.
8. Instrument must have an integrated thermal module for incubation, mixing, heating and cooling functions. It should be capable of producing temperature ranging from 15⁰C below room temperature to 95⁰C with mixing frequency from 300 to 2000 rpm and mixing amplitude of 3 mm.
9. Must include automation compatible accessory to hold Illumina kit tubes directly in the deck.
10. Software should allow to perform **3D run simulation** of the program before executing actual run.
11. Instrument **must have patented optical confocal infrared detector for contact-free detection** of liquid levels, tools used, labware, tip types, and quantities.

12. Instrument must allow to perform **magnetic bead based purification steps both in 96-well plate as well as in 1.5 mL/2.0 mL tube formats and magnetic bead based extraction of nucleic acids in tube format.**

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13. Instrument must support throughput samples, however also should allow user to setup runs **even for less sample numbers by pooling in 1.5 ml/2.0 mL tube** formats.

14. Instrument must have capability for stacking plates and tip boxes as well as transport labware within deck using gripper to execute lengthy protocols without user intervention.

15. Work table to support labware of SBS/ANSI format and unlimited virtual positions.

16. Instrument should automatically decide which tools (single or 8-channel) to use for fastest run time - ideal when sample numbers change frequently or are even not a multiple-of-8

17. Instrument should allow to accommodate at least 4 dispensing tools on deck.

18. Should include both single and 8-channel dispensing tools in volume range from 1 to 50 μ L and 20 to 300 μ L.

19. Software must allow programming to restore and reuse tips, especially for common component addition to bring economy on running cost.

20. Instrument must have waste box to discard used tips.

21. Suitable PCR clean Filter tips and other necessary plastic ware consumable must be supplied along with the instrument.

22. On site Installation and Training to be provided Free of Cost.

23. Programming software should be intuitive allows for ease-of-use and rapid method design with flexibility to optimize even the most complex NGS workflows.

24. Must have a large touch screen interface as control panel for programming and software for ease of operation of the instrument.

25. Warranty of on instrument should be 5 years

B. Support:

1. One dedicated personnel well versed with NGS technology should be provided for a period of one year.

2. Consumables for the instrument like filtered tips, reservoirs, deep well plates, 96 well PCR plates, low bind 1.5 ml tubes, PCR films, PCR foils sufficient for 750 samples to be provided free of cost.