

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

CENTRAL RESEARCH FACILITY

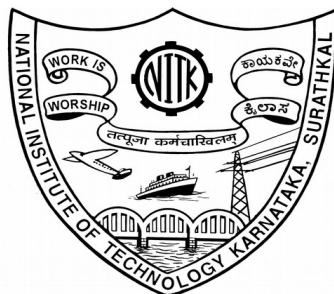
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474000.

E- mail: info@nitk.ac.in

Fax: (0824) 2474033

Website: <http://www.nitk.ac.in>



TENDER DOCUMENT

Tender Notification No: NITK/CRF/NMR/04

Date: 08/04/2019

- Name of Goods** : **Fourier Transform Nuclear Magnetic Resonance (FT-NMR) Spectrometer, 400 MHz, Multi Nuclear with associated Softwares and Accessories.**
- Estimated amount put to Tender : Rs. 4,00,00,000/- (Rs. 4 Crores)
- EMD Amount (2% of estimated value) : Rs. 8,00,000/- (Rs. 8 Lakhs)
- Time for Supply of item : Six months after release of Purchase order
- Last Date & Time for submission of tender: 08/05/2019 before 3:00 PM
- Address for Submission of Tender : **Dr. A. Vasudeva Adhikari, Professor HAG**
Department of Chemistry
National Institute of Technology Karnataka (NITK)
Surathkal, Srinivasnagar, Mangalore-575 025, DK, India.
Ph: +91-9448627138, E mail: avachem@gmail.com
and avadhikari123@yahoo.co.in
- Purchase officer Name and Contact (Related to purchase inquiry) : Pritam Bansod Ramesh, Assistant Registrar (Purchase)
 Phone: +91-824-2473993 Email: pritam bansod@nitk.ac.in
- Date of opening of technical bid : 13/05/2019 4:00 PM (If Possible)



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Central Research Facility

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NOTICE INVITING TENDER (NIT)

The National Institute of Technology Karnataka, Surathkal (in short-NITK, Surathkal) is an autonomous institute under Ministry of HRD Govt of India imparting Technical Education and engaged in Research Activities. It is proposed to procure equipment for Central Research Facility.

Sealed Tenders are invited for the following items in **two cover system** (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed manufacturers or it's authorized dealers so as to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened on the same day if possible in the presence of bidders or their authorized agents who may choose to be present. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

1. **Name of Goods** : **Fourier Transform Nuclear Magnetic Resonance (FT- NMR) Spectrometer, 400 MHz, Multi Nuclear with associated Softwares and Accessories.**
2. **Estimated Cost** : **Rs. 4,00,00,000/- (Rs. 4 Crores)**
3. **E M D** : **Rs. 8,00,000/- (2% of estimated value)**
4. **Time for completion of Supply after Placing Purchase Order** : **Six months**
5. **Last date and time for submission of Tender** : **08/05/2019 before 3:00 PM**
6. **Tender to be submitted at the following address** : **Dr. A. Vasudeva Adhikari, Professor HAG
Department of Chemistry
National Institute of Technology Karnataka (NITK)
Surathkal, Srinivasnagar, Mangalore-575 025, DK, India.
Ph: +91-9448627138, E mail: avachem@gmail.com
and avadhikari123@yahoo.co.in**
7. **Place, Date and Time of opening of technical bid:** **13/05/2019 4:00 PM (If Possible)**

Note: Institute shall not be responsible for any postal delay about non-receipt /non delivery of the bids or due to the wrong addressee.

Sd/-
[Signature of Chairman, CRF]

SECTION 1: INSTRUCTION TO BIDDER (ITB)

1. **The bid should be submitted in two cover system (sealed)-Technical Bid and Financial Bid**
2. **Technical Bid: Documents related to the Technical Bid** should be submitted in a sealed envelope and duly superscribed as “**Envelope No. 1 – Technical Bid**”. Full name and address of the bidder should be mentioned on the envelope and should be addressed to The Director, NITK, Surathkal
3. **The Technical Bid should contain the following documents:**
 - a) Compliance statement of specifications as per **Annexure-‘A’**.
 - b) License certificate for manufacture /supply of the item & Factory license
 - c) Agreements / Purchase Orders / Completion certificates if any, for similar items to other Universities, Institutes, and Government Department/Undertakings/Public sectors the details of such supplies for the preceding three years should be given together with the prices eventually or finally paid with contact details of persons as per **Annexure –‘B’**.
 - d) List of Owner/partners of the firm and their contact numbers (Bidder Information)
 - e) Declaration of abandoned or suspended any awarded service & Blacklist Certificate. **Annexure ‘C’**
 - f) Integrity Pact (for procurements above Rs1.0 Crore (Rs10.0 Million). **Annexure ‘D’**
 - g) Copy of GST certificate & PAN No.
 - h) Catalog of the Product with detailed product specifications.
 - i) Undertaking that the successful BIDDER agrees to give a Performance Security amounting to 10% of the purchase order value in favor of “The Director, NITK Surathkal”.
 - j) The copy of the Balance sheet, Profit & Loss A/c., Trade or Manufacturing A/c for the last 3 years should be enclosed and the turnover must be 30% of the estimated cost.
 - k) Duly filled in checklist should be submitted along with the Technical Bid.
 - l) Contract form given in Section 5 need to be submitted.
 - m) **EMD must be** in the form of Bank Guarantee (**ANNEXURE –G**) / Fixed Deposit Receipt / Demand Draft. It will be valid for **180 days** from the date of opening of the tender. The firm registered with MSME/NSIC will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their tender. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of the concerned item.
- i) The EMD will be returned to the BIDDERS(s) whose offer is not accepted by NITK within one month from the date of the placing of the purchase order(s) on the selected BIDDER(s).In case

of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Performance Security in the form of Bank Guarantee (BG). However, if the return of EMD is delayed for any reason, no interest/penalty shall be payable to the BIDDERS.

- ii) The successful BIDDER, on the award of contract/order, must send the contract/order acceptance in writing, within 15 days of award of contract/order failing which the EMD will be forfeited.
- iii) The EMD shall be forfeited in case a successful BIDDER fails to furnish the Performance Security.

4. **Financial bid:** The bidders should submit their financial bid as per the format is given in Section 4 of the Notice Inviting Tender in the sealed envelope. This envelope should be duly superscribed as “**Envelope No. 2 – Financial bid**”. Full name and address of the bidder should also be mentioned on the envelope and should be addressed to The Director, NITK, Surathkal

After evaluation of technical bid, the technically successful bidder shall be intimated to witness the opening of their financial bid along with date, time and venue through e-mail. Financial bid of only those bidders' will be opened who are declared “Technically Successful or Technically Responsive”.

Note that both the sealed envelopes, No. 1 and 2, should be submitted in a single sealed envelope duly superscribed with the following details.

**(i) Tender Notification Number (ii) “Tender for the supply of.....” (iii) Not to Open before
(Date and Time)**

Mention “Kind Attention: Contact Person’s Name and Phone Number”, and submit at the address given in the Notice Inviting Tender.

5. **Bid Evaluation:**

On the due date, the Technical bids will be opened and referred to the Purchase Committee which is duly constituted by the Director, NITK. The committee will go through the technical aspects of the tender and recommend shortlisted firms. The recommendation of the committee is final and binding on all the parties. The committee may visit the manufacturing site to assess the capabilities to manufacture the tendered items as per the specifications. In case of any remarks /default noted, the EMD will be forfeited even if pre-qualified.

6. **Quoting of Price(s):**

- a. Indian bidder should quote firm prices in Indian rupee only unless otherwise specified elsewhere in this tender. Prices quoted in any other currency shall not be considered.

- b. In case of Global Tender, Price quoted should be in Indian Rupees /US Dollar / Euro / Pound Sterling / Yen or in a currency under Reserve Bank of India's notified basket of currencies and must include delivery at NITK, Surathkal including loading/unloading.
 - c. For the purpose of price evaluation, if the bid is submitted in Foreign Currency, then the bid price shall be converted to Indian Rupees as per the RBI Exchange Rate prevailing on the day of opening of the price bid.
7. The Bid will be accepted only from the manufacturers (OEM) or its authorized supplier.
 8. The incomplete or conditional tender will be rejected.
 9. The Institute reserves the right to cancel at any time after acceptance of the tender with a notice. The Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which might have derived from the execution of the supply.
- 10. Performance Security** The successful bidder shall deposit a performance security of 10% of the quoted price in the form of Bank Guarantee (**ANNEXURE -G**) / Demand Draft / Fixed Deposit Receipt of any scheduled bank drawn in favour of the **Director, NITK Surathkal, Mangalore** payable at Mangalore. In case the bidder fails to deposit the said performance Security within the stipulated period, including the extended period if any, the Earnest Money deposited by the bidder shall be forfeited automatically without any notice. Please note the following points:
- a) Successful bidder should submit performance Security as prescribed above to the Purchase Section, NITK Surathkal, on or before 30 days from the date of issue of order acknowledgment.
 - b) Performance Security shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful bidder and the purchaser under the terms and conditions of acceptance to tender.
 - c) The successful bidder is entirely responsible for the due performance of the contract in all respects according to the terms and conditions of the tender.
 - d) The validity of the Performance Security must cover the warranty period plus two months.
 - e) In case of imported goods, the Indian agent has to furnish Performance Bank Guarantee in Indian Rupees only from Scheduled Bank.
- 11. The validity of bids:** The rate quoted should be valid for a minimum of 180 days. No claim for escalation of the rate will be considered after opening the Tender.

- 12. Warranty / Guarantee & On-site skill support:** On-site comprehensive warranty will be effective from the date of successful installation and commissioning. The OEMs/Authorized Distributors and Dealers must attach a certificate of sales and service facilities, escalation support for on-call service or station engineer etc.
- 13. Imports:** In case, equipment is to be imported, the Indian agent should furnish authorization certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.
- 14. Clarification of Tender Document:** A prospective bidder requiring any clarification of the Tender Document may communicate to the contact person given in this notice inviting tender. The contact person will respond to any request for clarification for the Tender Document received not later than 5 working days prior to the last date for the receipt of bids.
- 15. Amendment of Tender document:** At any time prior to the last date for receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Tender document by an amendment. Further, Institute may at its own discretion extend the last date for the receipt of bids.
- 16.** The bids shall be written in English language and any information printed in another language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.
- 17.** The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Purchase Committee is final in all matters of tender and purchase.
- 18. Cancellation of Tender:**
Notwithstanding anything specified in this tender document, NITK Surathkal in its sole discretion, unconditionally and without having to assign any reasons, reserves the rights:
- a) To accept OR reject lowest tender or any other tender or all the tenders.
 - b) To accept any tender in full or in part.
 - c) To reject the tender offer not conforming to the terms of the tender.
 - d) To give purchase preference to Public Sector undertakings when applicable as per Govt. Policy/ Guidelines.
- 19. Delivery Period:** The Delivery Period/Time shall be deemed to be the essence of the Contract and delivery must be completed not later than such date(s). If the Supplier does not perform its obligations within the Delivery

Period/Date mentioned in the Contract, the same would constitute the breach of the Contract and the Institute shall have the right to cancel or withdraw the Contract for the unsupplied portion after the expiry of the original or extended delivery date or period stipulated in the Contract. Such cancellation of contract on account of non-performance by the Supplier would entitle the Buyer to forfeit the EMD / Performance Security besides other actions such as debarment from the Institute as per GFR 2017.

20. Liquidated Damages: Timely delivery is the essence of contract and hence if the Supplier fails to deliver Goods within the original/extended delivery period(s) specified in the contract, the Institute will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, **@ 1% per week or part of the week of delayed period** as pre-estimated damages not exceeding 5% of the contract value without any controversy/dispute of any sort whatsoever.

21. Terms of Payment:

- a. Payment within 30 days from the date of delivery and & Acceptance Certificate of concerned Department / Section / Purchase Section.
- b. Payment shall be made by Cheque or such other mode / electronic fund transfer offered by the Bank. NITK, Surathkal will not pay advance payment to the party. Any request for Advance payment will be rejected summarily. In case if it is necessary, the advance payment will be paid strictly against Bank Guarantee only.
- c. Payment will be made by Standard Payment terms and conditions of NITK, Surathkal as per tender document only. Any request for a change in payment terms and conditions will not be accepted.
- d. If the above conditions are not acceptable then tender will be rejected.

22. Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bid as to the nature of the installation site, the means of access to the site and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the installation to be done and local conditions and other factors having a bearing on the execution of the bid.

23. If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the bidder.
24. The rate quoted by the bidder **shall be firm throughout the contract** period and there shall be no revision of the rates for any reasons whatsoever. It should be clearly understood that any claim for changes will not be entertained in any case once the bids are opened.
25. **One bid per bidder:** Each bidder shall submit only one bid either by himself or by representing a firm.
26. **Cost of bid:** The bidder shall bear all costs associated with the preparation and submission of his bid. The Institute in no case shall be responsible or liable for those costs.
27. The bidder shall not make or cause for any alteration, erasure or obliteration to the text of the tender document.
28. The Institute will declare a bidder ineligible, either indefinitely or for a specified period of time, at the sole discretion of the Institute, for the award of contract/ participating in any other tender, if at any time the Institute determines that he has furnished false information/ engaged in corrupt or fraudulent practices.
29. If any overpayment is detected as a result of the post-payment audit, it shall be recovered by the Institute from the Supplier out of his Performance Security.
30. **Determination of successful bidder:** The technically qualified bidder whose offer is evaluated as the **lowest total bid** shall be the successful bidder subject to its meeting the statutory requirements.
31. **Price variation:** The rate quoted by the bidder shall be firm throughout the contract period. No price variation clause is applicable to this contract.
32. **CANVASSING:**
- a) Canvassing in connection with tenders is strictly prohibited and the Tenders submitted by the Tenderers who resort to canvassing shall be liable to rejection.
 - b) Subject to the provisions concerning clarification of Bids, no Bidder shall contact the purchase committee on any matter relating to its bid from the time of the bid opening up to the time that the contract is awarded.
 - c) Any effort by the Bidder or Bidder's representative however described to influence the purchase committee in any way concerning scrutiny, consideration, evaluation of the Bid(s) or decision concerning award of a contract shall entail rejection of Bid and action against the bidder as deemed fit.
 - d) The purchase committee will deal with the Bidder on a Principal basis, without involvement in any manner in India or abroad of any agent or consultant or associate or other person howsoever described.

33. **LATE BIDS:**

- a) Any bid received on or before specified time and date (including any extension(s) thereof) will be accepted and late submission of the bids will be declared as "Late" and shall be rejected.
- b) Unopened "Late Bid" shall be returned to the bidder in due course.

34. Legal Matter: All Domestic and International disputes are subject to Mangalore Jurisdiction only.

SECTION 2: CONDITIONS OF CONTRACT.

1. The rate quoted should be FOR NITK, Surathkal for Indian supplier.
2. In case of import, CIF rates should be quoted. All components of expenditure to arrive by air at Bangalore need to be explicitly specified. If shipped by sea, nearest sea port is Mangalore/Chennai. In both cases, the item should be landed at NITK Surathkal and this responsibility is with the bidder.
3. The institute is eligible for customs duty / GST exemption.
4. The rate quoted should be on per unit basis. Taxes and other charges should be quoted separately, considering exemptions, if any.
5. Rate quoted should be inclusive of Testing, Commissioning and Installation of Equipment and Training.
6. **Payment:** No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by the supplier.

In case of Imports, the payment will be made through LC. Performance security needs to be submitted at the time of LC commitment.

7. Guarantee and Warranty period should be specified for the complete period conforming to the section 3 of this tender document.
8. Period requirement for the supply and installation of Equipment should be specified conforming to the Section 3 of this tender document.

SECTION 3: SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

[To be filled up by the Department / Center of NITK, Surathkal]

Item(s) Name to be Procured : Fourier Transform Nuclear Magnetic Resonance (FT- NMR) Spectrometer, 400 MHz, Multi Nuclear with associated Softwares and Accessories

Type (Equipment / Software / Furniture / Others) : Equipment

Brief Specifications of the Item(s)
(Attach Additional Sheet if necessary) : Please find in Annexure-H

Quantity : ONE

Any other details / requirement : Supplier has to ensure equipment lands at NITK, Surathkal, DK. Please see Annexure-H for more details

Warranty Period (in months) : 36 months

AMC after warranty period of three years : 24 months
Quote your AMC for 24 months separately.

Delivery Schedule expected
after release of Purchase order
(in Weeks) : 24 weeks

EMD : Rs. 8,00,000/- (Rs. Eight lakhs)
(2% of estimated value)

Performance Security to be given
by Successful Bidder after release of
Purchase Order (in Rupees) : 10 % of PO value (Approximately Rs. 40,00,000/-)



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SECTION 4 - PRICE BID (for indigenous Supplies)

[To be used by the bidder for submission of the bid]

Reference Number:

Date:

S. No.	Description of the Item and Specification	Qty. in Units	Unit Price (Rs.)	Discount %	Excise/Customs Duty %	GST (%)	Other charges if any (please specify details)	Total Price (Rs.)

1. Delivery Mode: Delivery at NITK Surathkal, at the site only.

Total Bid Price in the above column should be inclusive of all taxes and levies transport, loading, unloading etc.

Delivery Period:..... days.

Validity Date: Minimum 180 days from the date of submission of quotation/ tender.

2. Payment Term: Payment within 30 days from the date submission of bill Acceptance Certificate to concerned Dept./ Sect.

3. a) AMC Charges after warranty period :

b) Comprehensive AMC charges after warranty period :

Price Bids will be compared considering 3 a) or b). NITK reserves the right to consider 3 a) or 3 b) for price comparison.

PAN No. :

GST Registration No. :

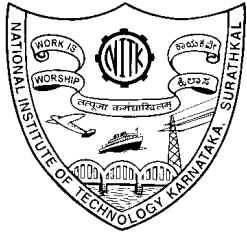
Seal and Signature:.....

Name & Business Address:.....

Note: Price Bid should be submitted in given format only. For additional information/extra items above format may be typed and used.

Place:

Date:



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

SECTION 4 - PRICE BID (for Imported Supplies)

[To be used by the bidder for submission of the bid]

Reference Number:

Date:

S. No.	Description of Items & Specifications	HSN/SAC Code	Quantity in Units	IGST %	Price basis (CIF)	Total Bid Price
	Installation and Commissioning Charges (if any, quote in INR)					
	Agency Commission (if any quote in %)					
	Other Charges (please specify details)					
Grand Total						

HSN Code: Harmonised System of Nomenclature Code no. and # SAC Code: Service Accounting Code no.

1. Delivery Period:..... days.
2. Validity Date: Minimum 180 days from the date of submission of quotation/ tender.
3. a) AMC Charges after warranty period _____ :
b) Comprehensive AMC charges after warranty period: _____
Price Bids will be compared considering 3 a) or b). NITK reserves the right to consider 3 a) or 3 b) for price comparison.

1. Validity of the bid: 180 days from the date of submission of the quotation or tender.
2. Mode of Shipment: _____
3. Port of Shipment: _____

Place:

Date:

SECTION 5: CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide to deliver by the delivery schedule mentioned in section 3 tender document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder: _____

Name and Designation: _____

Business Address : _____

Place:
Date:

Seal of the Bidder's Firm

Compliance Statement of Specifications

S.No.	Name of specification/Part/Accessories of tender enquiry	Specifications of the quoted Model / Item	Compliance Whether YES or NO	Deviations if any to be indicated in unambiguous terms

Signature and Seal of the Bidder

Previous Supply Orders Executed

Name of the firm: _____

Order placed by [Full address of the purchaser]	Order No. and Date	Order Value	Specified Delivery Date	Actual Delivery Date	Remarks indicating reasons for late delivery, if any and justification for the price difference of their supply order and those quoted to us	Has the equipment been installed satisfactorily?	Contact person along with telephone, mobile number, fax, and E-mail address

Signature and Seal of the Bidder

FORMAT OF DECLARATION
(To be submitted on Letterhead)

I / we Mr./Ms. _____, S/o/ of Mr. _____ aged about _____ years, resident of _____, working as -----(designation) for ----- (name and address of the bidding agency).

I solemnly affirm and state as under:

1. That I am working as ----- /proprietor of the ----- (name of the firm) and authorized to sign this declaration.
2. That the firm M/s---- (complete address of the firm) has not abandoned or suspended any contract work of any organization/ department so far/ during the previous five financial years.
3. That the firm M/s---- (complete address of the firm) has not been blacklisted/ debarred for competing in tenders by any organization/ department so far/ during the previous five financial years.
4. I solemnly confirm that the facts stated above are true and nothing has been concealed.

Seal and Signature of Bidder

INTEGRITY PACT AGREEMENT

(To be signed by the bidder/ same signatory authorized to sign the relevant contact)

This Integrity Agreement is made at Surathkal on this day of 20

BETWEEN

National Institute of Technology Karnataka, Surathkal, an Institute of National Importance (under NIT Act -2007) represented through the Registrar, NITK, Surathkal (hereinafter referred as the '**Buyer**', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.....
(Name and Address of the Individual/firm/Company)

Through (Hereinafter referred to as the "Bidder/Contractor" and which expression shall unless repugnant to the meaning or context hereof include its succession and permitted assigns)

Preamble

WHEREAS **NITK Surathkal** has floated the Tender (Tender No----- dated 00-00-2018) (Hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for "**Furniture**"

[Hereinafter referred to as the "**Contract**").

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "**Integrity Pact**" or "**Pact**"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this witness as under:

Article 1: Commitment of NITK Surathkal

ii. **NITK Surathkal** commits to take all measures necessary to prevent corruption and to observe the following principles:

Seal and Signature of the bidder

Registrar, for NITK Surathkal

- (a) No employee of NITK Surathkal, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- (b) NITK Surathkal will, during the Tender process, treat all Bidder(s) with equity and reason. NITK Surathkal will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
- (c) NITK Surathkal shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

iii. If NITK Surathkal obtains information on the conduct of any of its employee which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, NITK Surathkal will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/ Contractor(s)

- 1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adheres to the highest ethical standers, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and through the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commit himself to take measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contact execution:
 - a. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contractor.
 - b. The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into an undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - c. The Bidder(s)/Contractor(s) will not commit any offense under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as
 - d. part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically

- e. The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and address of agents/representatives in India if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and address of foreign agents/representatives if any. Either the Indian agent on behalf of the foreign principals or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
- f. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- iv. The Bidder(s)/Contractor(s) will not instigate third persons to commit offenses outlined above or be an accessory to such offenses.
- v. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a wilful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
- vi. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, there or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to NITK Surathkal under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidders/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

- 1) If the Bidder(s)/Contractor(s), either before awarded or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 day notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determinate the Contract - if already executed, or exclude the Bidders/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by NITK Surathkal.**

Seal and Signature of the bidder

Registrar, for NITK Surathkal

- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If NITK Surathkal has disqualified the Bidder(s) from the tender process prior to the award of the Contract or terminate/determinate the Contract or has accrued the right to terminate/determinate the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to NITK Surathkal, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Security of the Bidders/Contractor.
- 3) **Criminal Liability:** If NITK Surathkal obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, NITK Surathkal will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country conforming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes an incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.
- 3) If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article: 5 Equal Treatment of all Bidder/Contractors/Subcontractors

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidders/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
- 2) The Principal/Owner will enter into pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6: Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12

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Registrar, for NITK Surathkal

months after the completion of work under the contractor or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this pacts as specified above, under it is discharged/determined by the Competent Authority of NITK, Surathkal.

Article 7: Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is **Mangaluru**, the Headquarters of NITK Surathkal, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
- 5) It is agreed on term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action was taken by the Owner/Principal in accordance with this **Integrity Agreement / Pact or interpretation thereof shall not be subject to arbitration.**

Article 8: LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract/ or law and the same shall be deemed to be cumulative and not alternative to such legal right

s and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contract documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of NITK Surathkal)

.....
(For and on behalf of bidder/ contractor)

WITNESSES:

1.
(Signature, name, and address)

2.
(Signature, name, and address)

Place: Surathkal.

Dated:

Annexure - E

Format for Bank Account details of the bidder

Name of the account holder (bidder)	
Complete address	
Contact number	
Email address	

Bank Account details:

Bank name	
Branch name	
MICR number	
Account type	
Account Number	
Please re-type Account number again	
IFSC code of the Bank	

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the Institute responsible for this.

I have read the option invitation letter and agree to discharge responsibility expected of me as a participant under the scheme.

Seal and signature of the bidder.

Certification from the banker:

Certified that the particulars furnished above are correct as per our records.

Seal and signature of the authorized officer of the bank.

FORMAT FOR PERFORMANCE GUARANTEE BOND

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of One Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALORE OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALORE OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALORE. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED.)

To,
Registrar,
National Institute of Technology Karnataka,
Srinivasnagar P.O., Surathkal
Mangalore – 575025

LETTER OF GUARANTEE

WHEREAS National Institute of Technology Karnataka (Buyer) have invited Tenders vide Tender No..... Dt. for purchase of AND WHEREAS the said tender document requires that any eligible successful tenderer (seller) wishing to supply the equipment / machinery, etc. in response thereto shall establish an irrevocable Performance Guarantee Bond in favour of **“Registrar, National Institute of Technology Karnataka, Surathkal”** in the form of Bank Guarantee for Rs **(10% (ten percent) of the purchase value)** and valid till **one year or upto warranty period whichever is later** from the date of issue of Performance Guarantee Bond may be submitted within 30 (Thirty) days from the date of Order Acknowledgement as a successful bidder.

NOW THIS BANK HEREBY GUARANTEES that in the event of the said tenderer (seller) failing to abide by any of the conditions referred in tender document / purchase order / performance of the equipment / machinery, etc. this Bank shall pay to National Institute of Technology Karnataka, Surathkal on demand and without protest or demur Rs (Rupees.....).

This Bank further agrees that the decision of National Institute of Technology Karnataka, Surathkal (Buyer) as to whether the said Tenderer (Seller) has committed a breach of any of the conditions referred in tender document/purchase order shall be final and binding.

We, (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the Tenderer (Seller) and/ or National Institute of Technology Karnataka, Surathkal (Buyer).

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed Rs. (Indian Rupees only).
2. This Bank Guarantee shall be valid up to(date) and
3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if National Institute of Technology Karnataka (NITK) Surathkal serve upon us a written claim or demand on or before(date).

This Bank further agrees that the claims if any, against this Bank Guarantee, shall be enforceable at our branch office at situated at (Address of local branch).

Yours truly,
Signature and seal of the guarantor:
Name of Bank & Address:
Date:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. Bank is requested to take appropriate necessary action on or after expiry of bond period.

FORMAT FOR EARNEST MONEY DEPOSIT / BID BOND

ANNEXURE -G

(To be typed on Non-judicial stamp paper of value Indian Rupees One Hundred)

(TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALORE OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALORE OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALORE. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED)

LETTER OF GUARANTEE

To

Registrar,
National Institute of Technology Karnataka,
Srinivasnagar P.O., Surathkal
Mangalore – 575025

IN ACCORDANCE WITH YOUR TENDER for supply of, M/s.
(hereinafter called the "Bidder") having its Registered Office at....., wish to participate in the said bid for the supply.....as an irrevocable Bank Guarantee against Earnest Money Deposit for an amount of Rs. (Rupees.....) valid up to.....**(180 days from the date of issue of Bank Guarantee)**, is required to be submitted by the bidder as a condition precedent for participating in the said bid, which amount is liable to be forfeited by the Purchaser on (1) the withdrawal or revision of the offer by the bidder within the validity period, (2) Non acceptance of the Letter of Indent / Purchase order by the Bidder when issued within the validity period, (3) failure to execute the contract as per contractual terms and condition with in the contractual delivery period and (4) on the happening of any contingencies mentioned in the bid documents.

During the validity of this Bank Guarantee :

We,(Bank name) having the registered Office at.....guarantee and undertake to pay immediately on first demand by NITK Surathkal, an amount of Rs..... (Rupees.) without any reservation, protest, demur and recourse. Any such demand made by the NITK Surathkal shall be conclusive and recourse. Any such demand made by the purchaser shall be binding on the Bank irrespective of any dispute or difference raised by the Bidder.

The Guarantee shall be irrevocable and shall remain valid up to.....(180 days from the date of issue of Bank Guarantee) If any further extension is required, the same shall be extended to such required period on receiving instruction from the Bidder, on whose behalf the is Guarantee is issued.

Notwithstanding anything contained herein :

- * Our liability under this Bank Guarantee shall not exceed Rs..... (Rupees.....) .
- * This Bank Guarantee shall be valid up to.....(date).
- * We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee Only and only if you serve upon us a written claim or before.....(date).

This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at situated at.....(Address of local branch).

Yours truly,

Signature and seal of the
guarantor: Name of Bank:
Address:
Date:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. Bank is requested to take appropriate necessary action on or after expiry of bond period

Annexure-H

Detailed specifications and other details

Fourier Transform Nuclear Magnetic Resonance (FT- NMR) Spectrometer, 400 MHz, Multi Nuclear with associated Softwares and Accessories

1	Spectro- meter Fre- quency	<ul style="list-style-type: none"> • 400 MHz, Optimum for general high field machine requirements with 2 Broad Band RF channels to run 1D, 2D and 3D NMR with various combinations of selected nuclei, having capabilities for most up-to-date homo and heteronuclear multi-dimensional NMR experiments 	Write Here
2	Magnet specifi- cations	<ul style="list-style-type: none"> • Magnetic field: 9.4 Tesla or better <ol style="list-style-type: none"> 1. Latest version/technology 400 MHz FT-NMR spectrometer with latest shielding technology for multi-dimensional solution/solid state NMR experiments. 2. Superconducting magnet system with an operating field of 9.4 tesla with active shielding and standard bore size (54 mm); with field stability of <10 Hz/hour or better. 3. Anti-vibration platform to damp the vibration of frequencies > 14 Hz. Specify attenuation of critical frequency > 14 Hz. 4. Shortest possible radial and axial distance of 5 Gauss stray field from the center of the magnet. Specify the actual values of field drift, radial stray field, axial stray field. 5. Cryogen cooled shim system in addition to room-temperature shims for optimal line shape (please mention the number of cryogen-cooled and room-temperature shim coils, specify full details); Configured to meet optimal probe line shape specifications, automated gradient shimming capability with associated accessories (software/hardware). 6. Minimum 300 days liquid Helium hold time and long (minimum 16 days) liquid Nitrogen hold time. Please specify the total liquid He and liquid N₂ hold volume, refill interval and refill volume for liquid He and liquid N₂. Please mention the Dewar design including height and diameter of magnet without legs. 7. One liquid helium transfer line, liquid nitrogen transfer line. 8. Lock channels should be compatible with gradients and gradient shimming. 9. Liquid Helium and Liquid Nitrogen level measuring sensor system and corresponding automatic digital meters with alarms. 10. All support equipment for cryostat (e.g. liquid He and liquid N₂ transfer line). 11. Special tool kit for magnet 12. Pneumatic sample load/spin/eject system on both solid and liquid state 13. Optional Autosampler with a capacity of 24 samples or above. 14. High shims for obtaining optimum line-shapes with < 7/14 Hz. 1H line shape at 0.55% and 0.11% of peak height respectively on non-spinning chloroform sample. 	
3	Console and	<ol style="list-style-type: none"> 1. Advanced design two channel spectrometer capable of performing all single and multi-dimensional experiments in all kind of samples including 90% H₂O and 10% deuterated solvent, fast switching time for 	

electro-nics	<p>all parameters, without any hidden delays along with its importance in the quality of the spectra. It should include the capability of programming for modern pulse shaping, amplitude, phase and composite pulse decoupling sequences, preamplifiers with standard filters and digital receiver control with oversampling and with either digital quadrature detection with digitizer's facility for complete elimination of quadrature / center spikes or a direct digital receiver.</p> <ol style="list-style-type: none"> 2. Equipped with two identical independent RF channels (please specify the frequency range of operation with best frequency and phase resolution) in addition to lock channel with provisions for deuterium decoupling and observation. Please specify the configuration and bandwidth of all the channels. Minimum 2 channel architecture with up-gradation possibility to 3-channel and solid-state capability. RF channels should handle nuclei such as ^1H, ^{13}C, ^{15}N, ^{19}F, ^{31}P, ^{11}B, ^{27}Al, ^{51}V, ^{109}Ag, ^{199}Hg, etc in liquid-state probes with high resolution frequency. 3. Dual/Multi receiver capability with digital receiver of excellent detection capability and elimination of artefacts such as quadrature images with control unit having state of the art technology for signal acquisition, filtering, sampling, multi nuclei acquisition etc. A future up-gradation with 3-channel spectrometer with 3rd receiver should be possible to be added later for Protein measurements. Multi-receiver capability preferred. 4. Broadband frequency generation for all channels. 5. Waveform generators for all channels for pulse shaping (please specify bits and total memory of the shape card). 6. Quadrature-artifact-free phase sensitive detection. 7. Receiver control unit for signal acquisition with real-time digital filtering along with oversampling technology-with dual receiver. 8. Frequency, phase and amplitude shaping capability with individual/simultaneous switching of the parameters in 25 ns. 9. Real time calculation of parameters of pulse sequences. 10. Broad-banded frequency generation for all the channels. 11. Fast Ethernet based communication system between all the channels. 12. High-power linear broadband amplifiers of >300 W for X-channel and ~100 W for ^1H (and/or ^{19}F channel) for double resonance liquid state NMR (and solid-state/3-channel up-gradation in future) with fast blanking and rise/fall times. Please specify all relevant parameters including power (Wattage), frequency range, duty cycle, maximum pulse duration etc. 13. Multinuclear preamplifiers with a ^2H preamplifier for lock channel and observation. 14. Automatic high performance gradient shimming for 1D and 2D along with lock, spin and insert / eject 15. Lock system should have high precision phase- and field-corrections (please provide documental evidence). 16. Built-in tune/match display and add-on filters for noise reduction. ADC with high dynamic range and sampling rate. Please specify the resolution of the ADC (in bits) and the maximum sample rate. 	
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		<p>17. Z-gradient amplifier: at least 50 G/cm.</p> <p>18. Pulsed field gradients of any desired shape with high resolution.</p> <p>19. Variable temperature set up from -150 °C to +150 °C with a resolution, accuracy and stability better than 0.1 °C. Sample temperature should be monitored not the gas temperature. Temperature control unit with accessories for control of the temperature accurately. Provide printed specification sheet.</p> <p>20. State-of-the-art software interface for NMR data acquisition and processing.</p> <p>21. One-column cabinet for the console.</p> <p>22. Special tool kit for spectrometer</p>	
4	Probes	<p>1. A multinuclear 5 mm double-resonance broadband high resolution probe with an actively shielded single axis Z-gradient for observation/irradiation of all NMR nuclei in the range ^{31}P to ^{109}Ag in addition to ^1H (please quote for maximum broadband range available); including $^1\text{H}(^{19}\text{F})$ and vice-versa, sensitive to low gamma nuclei detection; a dedicated deuterium lock channel. Variable temperature range from -150°C to +150 °C; automated tuning and matching option. At least 500 numbers of 5 mm NMR tubes along with suitable turbines to go into 5 mm probe to run experiments with less amount of solvent should be provided along with the probe.</p> <p>2. Optional: To study natural products and/or samples of low amount/quantity, a 1.7 mm variable temperature triple-resonance probe for observation of ^1H, ^{13}C and ^{15}N with auto tuning and matching and having pulse field gradient capability with minimum operational temperature range of -50 to +80 °C with all accessories for low and high temperature operations. All the relevant probe specifications such as 90 deg pulse lengths, sensitivity etc for standard nuclei (^1H, ^{13}C, ^{15}N) are to be provided.</p> <p>3. Excellent sensitivity for handling the multi nuclei samples.</p> <p>4. Solid state CP MAS Probe 3.2 mm rotor with MAS ≥ 20 KHz spinning speed to cover in the nuclei ^{15}N to ^{31}P.</p> <p>5. Please specify the following:</p> <ul style="list-style-type: none"> • Configuration of the coils. • Pulse widths for ^1H, ^{13}C, ^{19}F, ^{31}P, ^2H and ^{15}N using standard samples. Also please specify the sample used. • Best resolution and line-shape (under sample spinning and non-spinning conditions). Please specify the line-widths measured using the standard sample. • Best Signal-to-noise (S/N) ratio values for each nuclei of the probe measured using standard samples (Please provide data and mention the sample used). • Maximum gradient strength (at least 50 G/cm). • Gradient recovery times (not more than 100 μs). • Decoupling pulse width, power, bandwidth, duty cycle capability on each RF channel. • Temperature range over which the probe can be used. • Tuning accessory for auto-tuning capability. • Compatibility of the magnet/probe with 1.7 mm NMR tubes or its 	

		<p>likes.</p> <ul style="list-style-type: none"> Kindly provide printed specification sheet. <p>Possibility of combined rotation and multiple-pulse spectroscopy (CRAMPS) experiments. List number of pulse sequences available in ready to use mode.</p>	
5	Data System	<ol style="list-style-type: none"> Hardware: A compatible high-end workstation with preferable Windows operating system, LED monitor, CD/DVD read/write drives, USB ports. It should have latest operating system with latest upgraded software for 1D, 2D, and 3D acquisition and processing. Two computers, one for data processing and another for operation of NMR instrument with minimum Pentium 17 Quad or higher processor, >500 GB HDD, > 16GB DDR RAM, 24 inch LCD monitor, Minimum 4 USB ports and two Ethernet ports for data acquisition and internet. Compatible high-end laser jet color printer. Software: Most comprehensive latest NMR software to run up-to-date hetero-nuclear multi-dimensional NMR experiments including latest experiments for reconstruction of multi-dimensional NMR study, for control, data acquisition and processing, and automatic recording of multiple experiments. Package should include all the latest pulse sequences for multi-dimensional & multi-receive NMR experiments available with the vendor. The licensed software modules should include tools for Structure Analysis, Integration and Deconvolution of 1D, 2D and 3D spectra, NMR simulation, Multiplet analysis, Relaxation data analysis, etc. Automatic setup with acquisition, analysis and quantification of the NMR samples. High-end graphic tools for plotting one- and multiple-dimension spectra, for drawing structure and for making presentations on NMR experiment. Structure elucidation software. Quoted software should have GxP and 21CFR compliance and the necessary certified documents to be enclosed with technical bid Any software upgrade (pulse sequence and processing) or new software (pulse sequence and processing) that are released during warranty/AMC periods should be given to the user free of cost. 	
6	Liquid He Supply	<ol style="list-style-type: none"> Vendors are required to arrange for all the cryogenics including liquid He and related accessories needed for charging and installation of the magnet. Cost of Liquid He required for installation should be mentioned separately in the quote. Cost of Liquid He supply and filling for maintenance of the spectrometer for five years (fixed price in INR) should be quoted separately. 	
7	UPS	<ol style="list-style-type: none"> Appropriate standard make UPS (and isolation transformer) with at least four hours back up for the uninterrupted and smooth functioning of the entire system. The price should be quoted in INR. The power requirement for proper functioning of the NMR spectrometer along with all accessories should also be provided by the vendor. 	
8	Com-pressor	<ol style="list-style-type: none"> Oil free air Compressor of sufficient capacity and appropriate dryer with filter for supply of dry air with appropriate dew point for smooth operation of pneumatic unit. 	

		<ol style="list-style-type: none"> 2. The storage tank of ≥ 300 litres capacity. 3. Necessary accessories for the efficient compressor including power connections. 	
9	Other Requirements	<ol style="list-style-type: none"> 1. Autosampler and variable temperature units. 2. 50 L liquid Nitrogen Dewars - 4 Nos, one trolley/tray with wheels to carry liquid N₂ Dewars. These are to be quoted in INR. 3. 5 mm standard NMR tubes for the spectrometer - 500 numbers. 4. Liquid N₂ transfer tube (3 meters) 5. Liquid He transfer line 6. Standard samples kit of NMR system for acceptance test procedure. 7. Line shape sample and sensitivity samples for different nuclei 8. Spinners for low and high temperature application 9. Special tool kit for magnet / spectrometer. 10. Low temperature accessory 11. Specify the pre-installation requirement including the minimum ceiling height, room size etc. 12. Specify the earthing requirements clearly. 13. Mention the AC specifications required for the instrument-room. 	
10	Warranty and AMC	<ol style="list-style-type: none"> 1. Three years on-site comprehensive warranty including maintenance. 2. Warranty should include all parts of NMR spectrometer and its accessories. Please mention clearly the warranty period for all local items including UPS and Compressor. 3. Extended warranty of NMR spectrometer for additional 2 years should be quoted. 4. AMC for two years after warranty period is to be quoted. (<i>Note that L1 will be calculated considering quoted AMC</i>). 	
11	Service after sales	<ol style="list-style-type: none"> 1. Service problems should be attended within 72 hours of complaint. Any further delay happens, warranty period will be proportionately extended. 2. In case of breakdown during the warranty period, a competent service engineer of the Supplier should make as many visits as are necessary to rectify the problem and replace the faulty parts. 3. Alternate arrangement is to be made for analysis of urgent samples using the Demo Instrument available with the Supplier in case of urgency. 	
12	Manuals	<ol style="list-style-type: none"> 1. Operation and Service manuals in English with schematic diagrams should be provided. 2. Point-wise precautions to be taken are to be specified. 	
13	Training	<ol style="list-style-type: none"> 1. Training on applications for two persons (operators) for at least one week should be provided at local site at the time of installation. 2. Training for a faculty-in-charge for at least one week should be given. 3. Training for operators must be given periodically once in a year till completion of warranty period 	
14	Delivery time	<ul style="list-style-type: none"> • Specify delivery time for the machine from the date of opening LC. 	
15	Important Notes	<ul style="list-style-type: none"> • Quote must have a compliance report on all the above points. • A detailed specification sheet highlighting all above specifications along with detailed experimental conditions must be attached. • Spares and consumables should be available at least for 10 years after the date of installation, at normal rates. 	

		<ul style="list-style-type: none"> Specify the applicable taxes for all the items clearly. Prices quoted should be inclusive of all taxes or duties, packing, forwarding, freight, insurance, delivery and commissioning etc. at destination site, i.e. NITK, Surathkal, DK. Indicate the final price break-up clearly. 	
16	In- stallation	<ul style="list-style-type: none"> Installation and commissioning should be done on site immediately after receiving the consignment. 	
17	Re- installation	<ul style="list-style-type: none"> Quote your price for shifting and re-installation, if the equipment is to be shifted from one place to another place within the campus during warrantee period. 	
18	Per- formance guarantee	<ul style="list-style-type: none"> Upon receipt of the purchase order, the supplier should issue a Performance bank Guarantee equivalent to 10 % of the P.O. Value up to 36 months from the date of issue of bank guarantee. 	
19	<p>The following technical requirements should be strictly met and necessary document has to be enclosed along with the main quotation.</p> <ol style="list-style-type: none"> <i>Maintenance network</i>: Mention address of the institutions where the systems are in working conditions. Mention the maintenance network in India for the instrument. <i>Policy against magnet quench</i>: Initial He fill for charging the magnet to be provided by the vendor. The spectrometer and its components must be OQ, PQ and IQ compliant. The vendor should have installed 400 MHz NMR machine in India and a documentary evidence of the same and evidence of satisfactory working and after sale support to be submitted along with tender document. Availability of applications / service engineer to handle instrument problems immediately. All manuals (service and operational) should be given as hard copies and / or soft copies on CDs. Complete product catalogues describing all the required basic items should be produced. If required, vendor should be able to give demonstrations about the capabilities of the spectrometer and all the components at Indian sites. Kindly quote price of each item separately in separate sheet. Up-gradation of software should be given free of cost as and when the new extension versions are released by the manufacturers / vender at no additional cost during the period of warranty. Price for ex-work price/FCA price, FOB price, CIP/CIF price and FOR NITK, the installation charges should be quoted separately, if any. In case of magnet quench during the installation or subsequent times due to faulty design, the necessary costs for recharging or replacing of magnet should be borne by the Vendor. Incomplete tender documents without compliance statements will be rejected without assigning any reason. 		

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Annexure-‘I’**Checklist for BIDDERS**

BIDDERS to indicate whether the following are enclosed/mentioned by striking out the non- relevant option and the relevant technical bid documents should be in order.

Sl. No.	Documents	Content	Document Attached
1	Technical Bid	Self-Attested copy of GST & PAN Number	(Yes /No) Pg. No.
2		Licence certificate for manufacture /supply of the item & Factory license. Registration with EPF and ESI	(Yes /No) Pg. No.
3		Undertaking that the successful BIDDER agrees to give a 10% Performance Security.	(Yes /No) Pg. No.
4		Catalogue of the Product with detailed product specifications.	(Yes /No) Pg. No.
5		Copy of Balance Sheet	(Yes /No) Pg. No.
6		List of Owner/partners of the firm and their contact numbers (Bidder Information)	(Yes /No) Pg. No.
7		Contract form given in section 5	(Yes /No) Pg. No.
8		Format of compliance statement of specification as per Annexure-‘A’	(Yes /No) Pg. No.

9		Previous Supply Order as per Annexure-'B'	(Yes /No) Pg. No.
10		Declaration of abandoned or suspended any awarded service & Blacklist Certificate. Annexure 'C'	(Yes /No) Pg. No.
11		Integrity Pact. Annexure 'D'	(Yes /No) Pg. No.
12		Bank details of the bidder. Annexure 'E'	(Yes /No) Pg. No.
13		EARNEST MONEY DEPOSIT <u>Annexure -G</u> In case of exemption from submission of EMD, proof of registration with NSIC/MSME	(Yes /No) Pg. No.
1	Financial-Bid	Price bid	(Yes /No)

Seal and Signature of the bidder