SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar- 388120

E-TENDER NOTICE

for Scientific Equipment :

Tender Id:325458

The Registrar, Sardar Patel University, Vallabh Vidyanagar – 388120, Anand, Gujarat invites online E-Tender through (n) procure for the purchase of 400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer. The tender documents and its specifications can also be seen/downloaded from our website www.spuvvn.edu/tenders. The technical bid shall have to be submitted with detailed specifications of above equipment along with the tender fees and EMD. The commercial bid shall have to be submitted in electronic format only on (n) procure website: https://tender.nprocure.com/

Online Bid Start Date: 21/07/2026
Last date of Online submission of Tender: 10/08/2026
Last date to submit Physical Documents: 12/08/2026.

Date: - 20/07/2026 **Registrar**

E- TENDER NOTICE

400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer

SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar (Anand-Gujarat) - 388120

From:

To,
The Registrar,
Sardar Patel University
Vallabh Vidyanagar, Anand - 388120, Gujarat

Subject: Submission of tender for **400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer**

Sir/Madam,

I/We hereby submit the offer (duly filled) in response to the advertisement/tender notice for supply and installation of 400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer in accordance with the terms and conditions declare as under: -

I/We hereby offer to supply to Sardar Patel University, Vallabh Vidyanagar in accordance with the terms and conditions, attached herewith.

I/We enclose herewith Tender Fee per instrument and EMD per instrument in favor of Sardar Patel University, Vallabh Vidyanagar

Particulars	**Amount**	**Amount in Words**	**DD No. and Date**
Tender Fee	15000/-	Rupees Fifteen Thousand only	

I/We carefully read, understood, and agree to abide by the said terms and conditions set in the tender document hereto annexed and the description of the items.

I/We agree that in case of dispute, if any, the decision of The Vice Chancellor, Sardar Patel University, Vallabh Vidyanagar- 388-120 shall be final and binding upon me/us.

Signature of bidder
(With Stamp, Name & Designation)

SARDAR PATEL UNIVERSITY

University Road, Vallabh Vidyanagar - 388 120, Gujarat

E-TENDER

For the supply and Installation of 400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer

Registrar, Sardar Patel University, Vallabh Vidyanagar invites E-Tender from Manufacturer/Authorized Dealers/Sole Distributors and Authorized Agents/Stockiest for the supply of 400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer to Sardar Patel University. Interested Manufacturer/Authorized Dealers/Sole Distributors and Authorized Agents/stockiest wish to participate in online tenders can apply through www.nprocure.com. For detailed information, download the tender documents from University's website: www.spuvvn.edu/ tenders.

Tender Item	Tender Fees & Security Deposit per item
Supply of **400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer**	1) Tender Fees: Rs. 15000/- 2) EMD: 3% of Tender Value 3) Security Deposit: 5% of cost of order

TENDER SCHEDULE:		
1	Online bid Start Date	Dt. 21-07-2026
2	Last Date and Time of Online Submission of Offer Form/Price Bid	Up to Dt. 10-8-2026 up to 17.00 Hrs.
3	Physical Submission of Tender Fee, Technical Bid and other required Documents etc. (In Hard Copy)	Up to Dt. 12-08-2026 up to 17.00 Hrs.
4	Physical Documents Verification of Submitted Documents at Chemistry Department, Sardar Patel University, Vallabh Vidyanagar- 388 120	Dt. 13-08-2026 15.00 Hrs onwards
5.	Online Opening of Price Bid at University Main Building, Room No. 307, IQAC Office, Sardar Patel University, Vallabh Vidyanagar-388 120	Dt. 17-08-2026 15.00 Hrs onwards if possible

Submission of Tender Fee, EMD and other essential documents as mentioned above to the office of the Chemistry Department (HOD), Sardar Patel University, Vallabh Vidyanagar- 388 120, Ph. No. (02692) 226855.

1) The Tender without Earnest Money Deposit (EMD), Tender Fee and required documents will be rejected.

2) The University reserves all rights to accept or reject Tender. It may accept any or reject any or all Tender without assigning any reason thereof, and consider any tender with/without Negotiation if necessary.

3) Tenderers are requested to submit the tender copy along with technical bid and related essential all physical documents in envelope clearly mentioning the name of the equipment on the cover **"Tender for 400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer"** and submit at **The HOD (Chemistry Department), Sardar Patel University, Vallabh Vidyanagar.**

Sardar Patel University, Vallabh Vidyanagar

Tender Details -

Organization/Department Name:	**SARDAR PATEL UNIVERSITY**	
Circle/Division	**UGC Section**	
IFB No./Tender Notice No.	2026-27/NMR/2630	
Name of the Instrument	**Approximate Cost (In Rs.)**	**Department Name**
400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer	3,50,00,000.00	Chemistry
Delivery Period	**12-15 Weeks** from the date of issue of an order	
Mode of Tender	Open	
Tender Currency Type	Multi	
Sector category	Educational Institute, State Governments.	
Form of Contract	Supply and Installation	
Product Category	Instrument for Research work use	
Amount Details		
Tender fees	Rs. 15000/- (Rupees Five thousand only)	
Tender Fees Payable to:	The Registrar, Sardar Patel University, Payable at Vallabh Vidyanagar	
Bid Security/EMD (INR)	EMD will be 3% of tender value SECURITY Deposit: 5% of Cost of the order value	
Bid Security/EMD in Favor of	The Registrar, Sardar Patel University, Vallabh Vidyanagar	
Tender Dates		
Online Bid Start Date	**21/07/2026**	
Online Bid End Date	**10/08/2026 (17:00 hrs.)**	
Pre Bid Meeting	No Meeting	
Last Date of Submission of Physical Documents	**12/08/2026 (17:00 hrs.)**	
Bid Validity Period	120 days	
Other Details		
Bid inviting Address:	The Head Chemistry Department, Sardar Patel University, Vallabh Vidyanagar, Anand-Gujarat)- 388120	
Bid Opening Authority:	Tender Opening Committee	
Address**: For Technical Bid**	The Head Chemistry Department, Sardar Patel University, Vallabh Vidyanagar, Anand-Gujarat)- 388120	
Technical Bid Opening Date	**13/08/2026 (15:00 hrs. onwards)**	

Commercial Bid Opening Date	**17/08/2026 (15:00 hrs. onwards)**
Contact Details:	(02692)-226855
Technical Specification	Page Number: - 11 to 17
Terms and conditions of the Tender.	Page Number: - 18 to 20
Compliance Sheet	Page Number: - 21 to 29
Checklist and Declaration	Page Number: - 30

Date :
Place:
Firm's Contact: Mobile: **Firm Sign & Stamp**
Tele (Office) :

Annexure – I

BIDDER'S DETAIL

1.	Name of the Party/Company	:	
2.	Registration No. (Company/Industry/Shop act)	:	
3.	Address of the Party/Company (electricity or telephone bill, not older than 3 months or recent municipal tax receipt)	:	
4.	Phone No. Mobile No. Working email address	:	
5.	Fax No.	:	
6.	PAN Card No.	:	
7.	Adhar Card No.		
8.	GST No.	:	
9.	Period of delivery of goods after placing the order	:	

Place:
Date:

Signature of bidder
(With Stamp, Name & Designation)

Annexure – II

(Original affidavit from the bidder that business entity is not black listed (notarized on Rs. 300 stamp paper).

Declaration

I _____ do hereby declare that our firm is not black listed and no enquiries / cases are pending against us by Govt. of India / Govt. of Gujarat or any Grant in aid organization, since inception of the
firm / Company.

I further undertake that, if above declaration proves to be wrong / incorrect or misleading; our tender/contract stands to be cancelled/terminated.

Place: Signature of bidder

Date: **(With Stamp, Name & Designation)**

Annexure – III

Particulars of Turnover

Name and Address of the Tenderer:

Particulars of Turnover in the following years as per audited accounts

Financial Year	Total Turnover
2023-2024	Rs
2024-2025	Rs
2025-2026	Rs

It is certified that above details are correct / fair and audited.

Signature of Chartered Accountant with Stamp

Signature of Authorized person

Annexure – IV

COMMERCIAL BID

(To *be submitted online only)*

Name of an Item	Qty.	Total Cost (Including all tax/CIF/CIP Value)
400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer	**1**	

Note 1: Bidders are requested not filled the above table

Note 2: Rate must be quoted (Including all tax/CIF/CIP Value) transportation/fares and Handling charges.

Annexure – V

Chemistry Department

DETAILED SPECIFICATIONS

400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer

(Qty.: 01 No.)

Use of the Instrument: The Fourier Transform Nuclear Magnetic Resonance (FT-NMR) machine is required for the elucidation of the structure of organic compounds/ materials. Apart from this, it is also useful for monitoring organic transformation as well as kinetics of the organic reactions, for checking purity and quantification of organic compounds. Therefore, this instrument is highly valuable for research of PhD scholars and P. G. students of the department and the university. The facility can also be availed by users from other academic institutions and industries on charge basis.

Part A: Technical Specifications

Sr. No.	Name of the Items	Description
01	Magnet	• Advanced and latest technology based stable superconducting magnet system with an operating field of 9.4 tesla, NMR frequency of 400 MHz, standard bore diameter of 54 mm, and expected field drift of < 4.0 Hz/hour or better. • Shortest possible Radial (less than 0.5 m) and Axial distance (less than 1.0 m) of 5 Gauss stray field from the centre of the magnet. Please specify the overall Magnet dimensions'/ceiling height requirements • Built-in cryo-shims & room temperature shims • Liquid He hold time (365 days or more) and liquid N_2 hold time (minimum 14 days or better) • Please specify the total Liq. He and N_2 hold volume, refill interval and refill volume for He and N_2 • Liquid helium boil-off rate should be less than 14 mL/hour or less. Helium boil-off rate should be mentioned in the magnet catalogue and the same should be submitted • Digital level sensors for liquid He (mandatory) and N_2. Alarm function for low helium level/nitrogen level. (He level indicator with alarm) (Liquid N_2 levels display system) • All support accessories for cryostat (e.g., liquid He and liquid N_2

		transfer line) • Pneumatic/Automatic sample load/spin/eject system • Standard test samples for multinuclear studies
02	Spectrometer Console	• Advanced two independent broadband RF generation channels systems with a future upgradation to 3rd RF-Channel for ^{1}H, ^{13}C, ^{15}N, ^{31}P, ^{19}F, ^{29}Si, ^{11}B, ^{51}V, ^{119}Sn and ^{195}Pt capable of performing all 1D and multi-dimensional NMR experiments. Mention the frequency scale of operation along with the configuration and bandwidth of each channel • Automatic high-performance gradient shimming for 1D and 2D along with lock, spin and insert/eject • 2H lock channel with high precision phase and field correction • 2 or more receivers for simultaneous acquisition of nuclei, receivers on each channel. Receiver System with high dynamic range and minimal quadrature images and artefacts • Appropriate amplifiers/preamplifiers for each channel for observation or decoupling of ^{1}H or ^{19}F (at least 100W or better) and in the range of ^{31}P to ^{15}N (at least 300W or better) for Solid sample application • Observation of ^{1}H with ^{19}F decoupling and vice versa should be possible without compromising the sensitivity of the observed nuclei • Variable temperature unit with all components for both high at least (up to +150 °C) and low (up to -100 °C) temperatures. The low-temperature accessory should be quoted with all required parts and attachments • Software-controlled Power Up and Power Down of the entire spectrometer • Double resonance high resolution NMR applications. Magnet Control system and monitoring equipment and MAS accessories. • Compatibility: HR-MAS
03	Probe	• Double resonance Broadband observe Liquid Probe • 5.0 mm multinuclear Z-gradient based broadband probe with automatic tuning and matching facility for observation of ^{1}H nuclei with ^{19}F decoupling or ^{19}F observe nucleus with ^{1}H decoupling and for observation of nuclei in the range of ^{31}P to ^{15}N etc. with ^{1}H decoupling/observe. There should be a single advanced probe which

		should be capable to handle all active nuclei such as ^{1}H, ^{11}B, ^{13}C, ^{15}N, ^{31}P, ^{19}F, ^{29}Si and ^{l119}Sn. without changing the probe or any manual tuning. The probe Temperature range should be +150 to –100 °C • Desired Specification: Signal/Noise • ^{1}H sensitivity > 500:1 (0.1% EB; 200 Hz noise; LB = 1 Hz) or better • ^{19}F sensitivity (1H dec) > 500:1 (TFT; 1ppm noise; LB=0.5 Hz) or better • ^{13}C sensitivity (1H dec) > 270:1 (10 % EB; 5ppm noise; LB = 0.1 Hz) or better • ^{31}P sensitivity > 100:1 (TPP; 5 ppm noise; LB = 5 Hz) or better • ^{15}N sensitivity > 25:1 (90 % Formamide; 25 Hz noise; LB = 0.3Hz) or better
04	User Interface	• Two high-performance state-of-the-art Workstation (Windows) with high definition LCD monitor (28 inch/32 inch), large RAM, large disk storage, one LaserJet Printer and tools/software for data acquisition, processing, plotting, structure verification, spectral simulation and multiple analyses of 1D (1D multi nuclei, 1D ZS, 1D BASH and 1D psyche NMR), 2D (DEPT, HSQC, COSY, TOCSY, NOESY, HMBC, Pureshift-DOSY, F1-coupled BIRD HSQC, BIRD HSQC, PSYCHE-NOESY-pure shift experiment, J-resolved etc.) and 3D experiments • Data processing software should be compatible with the Windows platform • Software for molecular structure determination and diffusion and kinetics
05	Anti-vibration support	• Anti-vibration leg/stand and suitable earthquake-resistant platform (mention the lower limit of the damping frequency vibration)
06	Accessories	• Best quality 5 mm NMR sample tubes with caps: 1000 Nos, 5 mm Shigemi tubes = 10 nos. for highly sensitive samples • 3 mm NMR Tubes with caps = 200 Nos • Automatic Sample Changer with 24 Samples position including spinners. • Sample spinner/holder for 5 mm NMR Tubes: 2 for routine use and 2 for low-temperature experiments. Sample spinner/holder for 3 mm

		NMR Tubes: 2 nos. • Data processing license software for multi-user post-run applications at least 10 Nos. for at least 10 years. • All necessary tool kits for maintenance • All required hardware and software documents, manuals installation CDs, DVDs etc. for workstation and NMR software. Complete service manuals, documents, CDs, DVDs and online support for troubleshooting the spectrometer. • At least 20 pieces of rotor sets (rotors and end caps) together with 3 sets of packing and opening tool kits should be provided • NMR references and standards for sample/instrument calibration (For both solution and solid-state samples) should be provided. • Real-time (online) reaction monitoring kit (syringe pump and capillary) • Indigenous items required for installation should be quoted in INR by Indian Companies as an optional item. Each item should be quoted separately: • Liquid Helium for installation • Three cryocans (Dewar) (50-55 lit each) with trollies • Nitrogen transfer lines-2 nos. • 6kVA UPS with one-hour battery back up on the full load. The power rating of the UPS should be at least 25 % higher than the maximum load for routine spectrometer operation • ISO-9001 certified oil-free and soundless Scroll air-compressor complete with refrigerated dryer with rating and specification capable of catering to all the needs, with sufficiently big buffer tank along with the system

Part B: Mandatory Requirements

07	Delivery	• The vendor has to take full responsibility for the delivery of the equipment until installation/commissioning/validation at Sardar Patel University, Vallabh Vidyanagar • Custom clearance will be done by the vendor. Only required documents will be provided by Sardar Patel University • Acceptance of the ordered goods is subject to successful

		installation and commissioning at our site • The customer is not responsible for any mishap/breakdown/damage of the equipment while in transport and customs clearance
08	Liquid Helium Supply	• Quote for liquid helium refilling for 5 years from the date of installation of Magnet • Liquid helium required for the installation shall be arranged by the vendor. The vendor should also confirm the supply of the required amount of Liquid helium for its installation and regular refilling
09	Warranty	• On site Comprehensive warranty for 5 years (for the magnet/console or entire machine) from the date of successful installation of the equipment. • Original manufacturer warranty certificate must be attached • The downtime of the instruments will be excluded from the warranty period • Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on an immediate and urgent basis • In case the magnet quench during the installation or at subsequent times due to any technical reason or faulty design or failure, the manufacturer will take complete responsibility for the supply (including transport) of the spares and consumables, till the magnet is restored to normal and the entire costs for cryogenics, recharging or if required replacing the magnet will completely be taken care by the manufacturer • During the warranty period, at least two visits and service must be made by the service engineer every year along with cleaning of all sub-parts • The warranty on the associated software should cover upgraded version(s), if any, released during the warranty period free of cost
10	AMC	• Further 3 years AMC (after the expiry of 5 years warranty on the total system) should be offered. During the AMC period, at least two visits and service must be made by the service engineer every

		year
11	Installation & Training	• Free installation, demonstration and training must be provided by the certified personnel at Sardar Patel University, Vallabh Vidyanagar. • Demonstration of all the applications and facilities as per the demand of the user. • Demonstration of acquisition of spectra at low and high temperatures. • Demonstration of acquisition and analysis of 1D (1D multinuclei and deuterium NMR, 1D ZS, 1D BASH and 1D psyche NMR), 2D (COSY, NOESY, TOCSY, DEPT, HSQC, HMBC, pureshift DOSY, F1-coupled BIRD HSQC, BIRD HSQC, PSYCHE NOESY, pure shift experiment, *J*-resolved spectra etc. and 3D). • Demonstration for safe NMR operation, data acquisition, analysis, print, store, and transfer. • Calibration, testing, and baseline analysis of standard samples. • Training on the NMR software for operations. • Demonstration of capabilities like multinuclear probes, and advanced NMR techniques.
12	Compliance	• The bidder must submit point-by-point compliance to the technical specification • A compliance report should be attached in this regard. If there is any deviation in the above-mentioned specifications, the technical deviation sheet should be duly filled and highlighted in the remarks • Datasheet, brochure, and website links substantiating each technical specification should be provided for verifying the compliance of the same
13	After Sales Service	• Should provide after-sales service support on-site • The supplier must have sufficient nos. of experienced and trained service engineers to provide prompt service in case of any break-down • Confirmation of having backup probes (and other essential and common parts) with the vendor, so that, in case of probe

		breakdown at the site, backup probes could be used till the replacement reaches • Contact details of the concerned person supported by a Service Centre in Gujarat region for immediate service if required should be provided
14	Supply and availability of Spares & Manuals	• The bidders should supply a certificate of availability of all spare parts for at least 10 years from the date of installation of equipment • Detailed user instruction manual, operation/instruction manual, and troubleshooting manual (in hard and soft copy) to be provided along with the system • List of complete safety regulations should be specified
15	Installation in India / Customer Base in India	• The vendor should provide the total number of installations of 400 MHz NMR instruments installed in India and in Gujarat. Please enclose a full list of such users in India
16	Pre-Installation requirement	• Pre-installation details, such as room, floor plan, size, etc. should be sent immediately after the placement of the order and the installation site should be inspected physically to check its suitability by the vendor at their own expense. • Requirements of space, electricity and other auxiliaries (e.g., gas lines, water, chiller, solvent sources, etc., if applicable) for the equipment should be specified • A copy of the pre-installation requirement should be enclosed along with the tender bid
17	Payment	• Through wire transfer after successful installation and training.

Part C: Optional Accessories /Items

18	Compatibility/ Scope for Upgradation	• Possibility for upgradation for solid NMR and other accessories must be quoted • Additional Broadband "inverse gated probe" for improved 2D experiment with higher sensitivity of ^{1}H. This probe should be a

		Standby probe in case of any Probe failure • Sample preparation kit for the solid-state NMR samples
19	Software	• Complete analysis software for 10 additional users with perpetual license from the date of installation of equipment. • Automated software for NMR experiments without deuterated solvents is desirable

Note: Warranty and AMC as per Sardar Patel University Norms

GENERAL TERMS AND CONDITIONS OF THE TENDER

The Tenderer should invariably submit tender in three sealed covers separately namely:

(1) EMD Cover (2) Technical Bid Cover and (3) Commercial Bid Cover.

1) EMD COVER:

EMD cover should contain EMD in form of Demand Draft only, no Multi-city / At - Par cheque will be considered; for amount as mention in Priced Tender Form (PTF). The name of the Bank must be mentioned on cover itself. Offer without separate EMD covers, the technical bid cover will not be opened. THIS MAY PLEASE BE NOTED.

2) TECHNICAL BID COVER

I) Technical Bid cover should contain copy of Priced Tender Form (PTF) along with attested copies of GST Registration, PAN Card, AADHAR Card, Authorization Certificate and other documents as per check list.

II) The details of CA certified Turnover of TENDERER of last three years.

III) Tenderer should also furnish the details on nature of constitution of their firm; names and addresses of the Partners / Proprietors/Directors. Also, specify details or documents requested in Tender Enquiry.

3) COMMERCIAL BID

I) Commercial Bid has to be submitted in separate duly sealed envelope. Envelope must be marked "Commercial Bid for 400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer".

II) Rates should be quoted including CIF/CIP/GST and FOR destination delivery should be inclusive of Insurance charges. In case the tenderer fails to provide such separate details in its quotation, offers will be considered as inclusive of all Taxes.

4) GENERAL CONDITIONS

1 Minimum **THREE** years of experience of Supply of the listed item for tendering in State/ Central Gov Institute. Order copy must be attached as a proof (F.Y. 2023-24, 2024-25 and 2025-26)

2 The Bidder should have minimum Rs 2 Crore annual turnover for last three years each. Turnover certificate with CA certified must be attached as a proof (F.Y. 2023-24, 2024-25 and 2025-26).

3 The Bidder has to submit proof of GST No., PAN/ TAN along with tender documents.

4 While opening of tender, you are liberty to be present or authorize your representative to be present at the time of opening of the technical bid as well as Commercial bid specified in the schedule, at your cost.

5 Bidder must attach valid Manufacturer's Authorization Certificate.

6 In case you are successful in getting the order, you shall be required to pay a sum **5% of Order Cost as a Security Deposit Amount payable to the Registrar, Sardar Patel University.** This Deposit is to be paid by Demand Draft only.

7 Sardar Patel University reserves the right to either accept the tender in full or part or divide the quantity between/amongst one or more tenderers without assigning any reasons.

8 The bidder should ensure that duly furnished hard copy as per checklist (Annexure-VI) must reach to the office of **the H.O.D., Chemistry Department, Sardar Patel University, Vallabh Vidyanagar (Gujarat)-388120 on or before 04/08/2026, 17.00 hrs.** Envelop should be marked as **"Tender for Supply of 400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer".**

9 The supply must be within the delivery period mentioned in the purchase order;

10 The advance payment will not be made under any circumstances. Further, the payment of the supplies will be made after execution of the complete order.

11 Inability for the supply of goods within the stipulated period of time as per the specification by the party after placement of an order will lead to forfeiture of Security Deposit or EMD and you will be black listed with immediate effect.

12 In case of any dispute, decision of Vice chancellor, Sardar Patel University, Vallabh Vidyanagar shall stand final.

13 The jurisdiction for any legal dispute shall be Anand District court only.

14 If any of the required information is missing, the bid will be rejected straight away. If any kind of malpractice found regarding the details submitted by the bidder at any stage of procedure, then the bid will be immediately rejected and the party will be blacklisted for future endeavours.

15 University reserves all rights to cancel the part or whole bid without giving any reason.

16 Tender received after the stipulated date will not be considered**.**

17 Overwriting and corrections should be attested properly. The bid should be complete in all respects and should be duly signed. Incomplete and unsigned bids will not be considered at all.

18 Warranty period of the supplied products shall be 5 (FIVE) years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service for attending the after sales service.

19 The dealers/suppliers will be responsible to clear the consignment at Customs by their own expenses and also, for SAFE transportation of the items to the Department while bearing respective charges as described above.

20 The C.I.F. value to nearest airport i.e., Ahmadabad (Gujarat) only with Insurance coverage up to the Department should be shown in foreign currency.

21 University holds valid Customs Duty Exemption Certificate issued by DSIR, Govt. of India, New Delhi.

22 If the equipment is to be imported or country of origin is other than India, please quote the rates in Indian and foreign currency, both.

23 Free installation and demonstration of satisfactory performance of the instrument / machine / equipment / apparatus and free training for use of these are to be given at the Department by the Dealers and free warranty service period starts after the satisfactory installation.

24 During the warranty period, the firm should make at least two inspection visits per year for the Instrument/Equipment supplied, without any additional charges.

25 Minimum FIVE YEARS'FREE ON SITE WARRANTY (OR WHAT SO EVER IS DECIDED BY THE UNIVERSITY) including free replacement and free repairs, without any charges whatsoever, within warranty period is to be pledged by the Dealers, Suppliers, Agents etc.

26 No packing, transport, customs clearance, insurance charges or any other charges, in any form, will be paid by the University in case of any replacement of instrument / component during the warranty period.

27 Free training to operators at the Department/Section for use of instrument / items by the dealers.

28 Free warranty service of minimum Five years (OR WHAT SO EVER IS DECIDED BY THE UNIVERSITY) is to be agreed upon. During warranty period, free service (if required) without any charges whatsoever is to be provided by the dealers/suppliers.

29 Dealers shall provide without any charge all operating and service manuals along with instruments / items.

We agree to abide by all the terms and conditions of rate contract mentioned in this tender document.

Place: Signature of bidder

(With Stamp, Name & Designation)

COMPLIANCE SHEET TO BE CONFIRMED BY OEM AND NEED TO BE SUBMITTED ALONG WITH TECHNICAL BID NON-COMPLIANCE WILL BE NOT ACCEPTANCE

400 MHz Fourier Transform-Nuclear Magnetic Resonance (FT-NMR) Spectrometer	**Compliance**		
	Yes	**No**	**Remarks**
Magnet: • Advanced and latest technology based stable superconducting magnet system with an operating field of 9.4 tesla, NMR frequency of 400 MHz, standard bore diameter of 54 mm, and expected field drift of < 4.0 Hz/hour or better. • Shortest possible Radial (less than 0.5 m) and Axial distance (less than 1.0 m) of 5 Gauss stray field from the centre of the magnet. Please specify the overall Magnet dimensions'/ceiling height requirements • Built-in cryo-shims & room temperature shims • Liquid He hold time (365 days or more) and liquid N_2 hold time (minimum 14 days or better) • Please specify the total Liq. He and N_2 hold volume, refill interval and refill volume for He and N_2 • Liquid helium boil-off rate should be less than 14 mL/hour or less. Helium boil-off rate should be mentioned in the magnet catalogue and the same should be submitted • Digital level sensors for liquid He (mandatory) and N_2. Alarm function for low helium level/nitrogen level. (He level indicator with alarm) (Liquid N_2 levels display system) • All support accessories for cryostat (e.g., liquid He and liquid N_2 transfer line) • Pneumatic/Automatic sample load/spin/eject system • Standard test samples for multinuclear studies			

Spectrometer Console • Advanced two independent broadband RF generation channels systems with a future upgradation to 3rd RF-Channel for ^{1}H, ^{13}C, ^{15}N, ^{31}P, ^{19}F, ^{29}Si, ^{11}B, ^{51}V, ^{119}Sn and ^{195}Pt capable of performing all 1D and multi-dimensional NMR experiments. Mention the frequency scale of operation along with the configuration and bandwidth of each channel • Automatic high-performance gradient shimming for 1D and 2D along with lock, spin and insert/eject • 2H lock channel with high precision phase and field correction • 2 or more receivers for simultaneous acquisition of nuclei, receivers on each channel. Receiver System with high dynamic range and minimal quadrature images and artefacts • Appropriate amplifiers/preamplifiers for each channel for observation or decoupling of ^{1}H or ^{19}F (at least 100W or better) and in the range of ^{31}P to ^{15}N (at least 300W or better) for Solid sample application • Observation of ^{1}H with ^{19}F decoupling and vice versa should be possible without compromising the sensitivity of the observed nuclei • Variable temperature unit with all components for both high at least (up to +150 °C) and low (up to -100 °C) temperatures. The low-temperature accessory should be quoted with all required parts and attachments • Software-controlled Power Up and Power Down of the entire spectrometer • Double resonance high resolution NMR applications. Magnet Control system and monitoring equipment and MAS accessories. • Compatibility: HR-MAS			

Probe
• Double resonance Broadband observe Liquid Probe
• 5.0 mm multinuclear Z-gradient based broadband probe with automatic tuning and matching facility for observation of ^{1}H nuclei with ^{19}F decoupling or ^{19}F observe nucleus with ^{1}H decoupling and for observation of nuclei in the range of ^{31}P to ^{15}N etc. with ^{1}H decoupling/observe. There should be a single advanced probe which should be capable to handle all active nuclei such as ^{1}H, ^{11}B, ^{13}C, ^{15}N, ^{31}P, ^{19}F, ^{29}Si and $^{l\,19}Sn$. without changing the probe or any manual tuning. The probe Temperature range should be +150 to –100 °C
• Desired Specification: Signal/Noise
  • ^{1}H sensitivity > 500:1 (0.1% EB; 200 Hz noise; LB = 1 Hz) or better
  • ^{19}F sensitivity (1H dec) > 500:1 (TFT; 1ppm noise; LB=0.5 Hz) or better
  • ^{13}C sensitivity (1H dec) > 270:1 (10 % EB; 5ppm noise; LB = 0.1 Hz) or better
  • ^{31}P sensitivity > 100:1 (TPP; 5 ppm noise; LB = 5 Hz) or better
  • ^{15}N sensitivity > 25:1 (90 % Formamide; 25 Hz noise; LB = 0.3Hz) or better			

User Interface • Two high-performance state-of-the-art Workstation (Windows) with high definition LCD monitor (28 inch/32 inch), large RAM, large disk storage, one LaserJet Printer and tools/software for data acquisition, processing, plotting, structure verification, spectral simulation and multiple analyses of 1D (1D multi nuclei, 1D ZS, 1D BASH and 1D psyche NMR), 2D (DEPT, HSQC, COSY, TOCSY, NOESY, HMBC, Pureshift-DOSY, F1-coupled BIRD HSQC, BIRD HSQC, PSYCHE-NOESY-pure shift experiment, *J*-resolved etc.) and 3D experiments • Data processing software should be compatible with the Windows platform			

• Software for molecular structure determination and diffusion and kinetics			
Anti-vibration support • Anti-vibration leg/stand and suitable earthquake-resistant platform (mention the lower limit of the damping frequency vibration)			
Accessories • Best quality 5 mm NMR sample tubes with caps: 1000 Nos, 5 mm Shigemi tubes = 10 nos. for highly sensitive samples • 3 mm NMR Tubes with caps = 200 Nos • Automatic Sample Changer with 24 Samples position including spinners. • Sample spinner/holder for 5 mm NMR Tubes: 2 for routine use and 2 for low-temperature experiments. Sample spinner/holder for 3 mm NMR Tubes: 2 nos. • Data processing license software for multi-user post-run applications at least 10 Nos. for at least 10 years. • All necessary tool kits for maintenance • All required hardware and software documents, manuals installation CDs, DVDs etc. for workstation and NMR software. Complete service manuals, documents, CDs, DVDs and online support for troubleshooting the spectrometer. • At least 20 pieces of rotor sets (rotors and end caps) together with 3 sets of packing and opening tool kits should be provided • NMR references and standards for sample/instrument calibration (For both solution and solid-state samples) should be provided. • Real-time (online) reaction monitoring kit (syringe pump and capillary)			

• Indigenous items required for installation should be quoted in INR by Indian Companies as an optional item. Each item should be quoted separately: • Liquid Helium for installation • Three cryocans (Dewar) (50-55 lit each) with trollies • Nitrogen transfer lines and Transfer Pump with clamp -2 nos. • 6kVA UPS with one-hour battery back up on the full load. The power rating of the UPS should be at least 25 % higher than the maximum load for routine spectrometer operation • ISO-9001 certified oil-free and soundless Scroll air-compressor complete with refrigerated dryer with rating and specification capable of catering to all the needs, with sufficiently big buffer tank along with the system			
Delivery • The vendor has to take full responsibility for the delivery of the equipment until installation/commissioning/validation at Sardar Patel University, Vallabh Vidyanagar. • Custom clearance will be done by the vendor. Only required documents will be provided by SPU. • Acceptance of the ordered goods is subject to successful installation and commissioning at our site • The customer is not responsible for any mishap/breakdown/damage of the equipment while in transport and customs clearance			
Liquid Helium Supply • Quote for liquid helium refilling for 5 years from the date of installation of Magnet • Liquid helium required for the installation shall be arranged by the vendor. The vendor should also confirm the supply of the required amount of Liquid helium for its installation and regular refilling			

Warranty • On site Comprehensive warranty for 5 years (for the magnet/console or entire machine) from the date of successful installation of the equipment. • Original manufacturer warranty certificate must be attached • The downtime of the instruments will be excluded from the warranty period • Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on an immediate and urgent basis • In case the magnet quench during the installation or at subsequent times due to any technical reason or faulty design or failure, the manufacturer will take complete responsibility for the supply (including transport) of the spares and consumables, till the magnet is restored to normal and the entire costs for cryogenics, recharging or if required replacing the magnet will completely be taken care by the manufacturer • During the warranty period, at least two visits and service must be made by the service engineer every year along with cleaning of all sub-parts • The warranty on the associated software should cover upgraded version(s), if any, released during the warranty period free of cost			
AMC • Further 3 years AMC (after the expiry of 5 years warranty on the total system) should be offered. During the AMC period, at least two visits and service must be made by the service engineer every year			
Installation & Training • Free installation, demonstration and training must be provided by the certified personnel at Chemistry Department, Sardar Patel University, Vallabh Vidyanagar			

• Demonstration of all the applications and facilities as per the demand of the user. • Demonstration of acquisition of spectra at low and high temperatures. • Demonstration of acquisition and analysis of 1D (1D multinuclei and deuterium NMR, 1D ZS, 1D BASH and 1D psyche NMR), 2D (COSY, NOESY, TOCSY, DEPT, HSQC, HMBC, pureshift DOSY, F1-coupled BIRD HSQC, BIRD HSQC, PSYCHE NOESY, pure shift experiment, *J*-resolved spectra etc. and 3D). • Demonstration for safe NMR operation, data acquisition, analysis, print, store, and transfer. • Calibration, testing, and baseline analysis of standard samples. • Training on the NMR software for operations. • Demonstration of capabilities like multinuclear probes, and advanced NMR techniques.			
Compliance • The bidder must submit point-by-point compliance to the technical specification • A compliance report should be attached in this regard. If there is any deviation in the above-mentioned specifications, the technical deviation sheet should be duly filled and highlighted in the remarks • Datasheet, brochure, and website links substantiating each technical specification should be provided for verifying the compliance of the same			
After Sales Service • Should provide after-sales service support on-site • The supplier must have sufficient nos. of experienced and trained service engineers to provide prompt service in case of any break-down • Confirmation of having backup probes (and other essential and common parts) with the vendor, so that, in case of probe breakdown at the site, backup probes could be used till the replacement			

• Contact details of the concerned person supported by a Service Centre in Gujarat region for immediate service if required should be provided			
Supply and availability of Spares & Manuals • The bidders should supply a certificate of availability of all spare parts for at least 10 years from the date of installation of equipment • Detailed user instruction manual, operation/instruction manual, and troubleshooting manual (in hard and soft copy) to be provided along with the system • List of complete safety regulations should be specified			
Installation in India / Customer Base in India • The vendor should provide the total number of installations of 400 MHz NMR instruments installed in India and in Gujarat. Please enclose a full list of such users in India			
Pre-Installation requirement • Pre-installation details, such as room, floor plan, size, etc. should be sent immediately after the placement of the order and the installation site should be inspected physically to check its suitability by the vendor at their own expense. • Requirements of space, electricity and other auxiliaries (e.g., gas lines, water, chiller, solvent sources, etc., if applicable) for the equipment should be specified • A copy of the pre-installation requirement should be enclosed along with the tender bid			
Payment • Through wire transfer after successful installation and training.			

Annexure – VI

CHECKLIST

Please give the Page No. to entire set of Tender and documents enclosed with and confirm it is in proper sequence as prescribe as under.

Sr. No.	Document / Certificate	Submitted Yes/No.	Page No.
1	Tender Fee: Demand draft of Rs. 15000/- (Non-Refundable) in favor of **"The Registrar, Sardar Patel University". Payable to Vallabh Vidyanagar**		
2	EMD (Refundable): Demand draft of in favor of **"The Registrar, Sardar Patel University". Payable to Vallabh Vidyanagar**		
3	Bidder Details (Annexure -I)		
4	Original affidavit from the bidder that business entity is not Black listed (notarized on Rs. 300 stamp paper). (Annexure-II)		
5	Particulars of Turnover certified by Charter Accountant (Annexure-III)		
6	Order copy of Supply of same categories of an items in State/ Central gov. institute of last three years attached? (F.Y. 2023-24, 2024-25 and 2025-26)		
7	Terms and conditions duly signed on each page		
8	Valid Registration Certificate of bidder's firm. (Shop Act Registration/ Partnership deed /Memorandum of article/Registration of firm / Small Scale Industry Registration, any one).		
9	Photo copy of PAN Card		
10	Photocopy of AADHAR CARD		
11	Photocopy of GST Certificate		
12	Manufacturer certificate / Valid Authorization Certificate		
13	Technical Specification compliance sheet		

Note: All the above documents are mandatory; missing of any is subjected to rejection for tender. And as per above sequence and numbering.

DECLARATION

I/We solemnly declare that we have submitted all the documents mentioned here above and mentioned in the tender. It is verified that all the certificates / permissions/ documents are valid and current as on date and have not been withdrawn / cancelled by the issuing authority.

I/We further undertake to produce on demand the original certificate / permission / document for verification at any stage during the processing of the tender.

I/We also understand that non-compliance of any documents will be treated as non-respective tender and we will lose our claim to participate in the Tender Enquiry automatically and our tender will be liable to reject.

Name of the Firm:

Place: Signature of bidder

Date: **(With Stamp, Name & Designation)**