

REF NO: DST/FIST/CHEM/NMR-2011

Quotations are invited from the manufacturing company or authorized dealer or distributor or agency of foreign principal to obtain lowest rate for the followings:

400 MHz digital FT NMR Spectrophotometer along with liquid nitrogen and liquid helium.

LAST DATE OF TENDER SUBMISSION: 30.01.2011 TIME- 4-30 PM

Quotations/bids are invited through Registered Post / UCP / Courier Service in two part system as described below in Part II

Part-I: Description of the items required

400 MHz digital FT NMR Spectrophotometer along with liquid nitrogen and liquid helium.

[The above mentioned items Liq. N₂ and Liq. He are required for initiation of the equipment as well as refilling regularly on annual contact basis.]

Detail specifications:

- 1. Magnet:** Latest technology based, stable and shielded high performance super conducting magnetic system (9.4 T) with narrow bore approximately 5 cm bore with an operation frequency of 400 MHz for ¹H. Liquid Helium hold time: 150 days and upgradeable to 1yr hold time.
- 2. Probes:** Auto tunable 5mm multinuclear direct probe with ¹⁹F decoupled with ¹H facility.
- 3. No. of channels:** Two (upgradeable to more number of channels).
- 4. Transmitter:** A broad band linear amplifier for range 400 MHz with decoupling channel of 50 watts and observe channel of 150 watts.
- 5. Receiver:** Receiver amplifier with all standard features like digital quadrature detection, pre amplifiers, RF filters, digital lock channels. (Digital lock providing higher stability & 16 bit analog to digital converter).
- 6. Field Gradient Unit:** A field gradient unit of 50G/cm with gradient shim and gradient pulse shaping.
- 7. Temperature Control:** Digital temperature control system. Low and high temperature (-80 °C to 130 °C) controlled accessories.
- 8. Spectroscopy kit:** 250 pcs of 5 mm NMR tubes with caps
- 9. Printer and Software:** PC work station with LCD monitor and Windows Operating system. 1D, 2D, 3D NMR acquisition & processing software. Laser printer with high DPI (1200dpi)
- 10. Installation:** Should be done by provider.

11. Warranty: It should be at least a period of one year from the date of installation.

12. Liq N₂: Supply and refilling contract (including transport) of liquid Nitrogen for 5 years including installation time. Please mention for each year (Lab delivery). One manual transfer device should be supplied.

13. Liq He: Supply and refilling contract (including transport) of liquid Helium for 5 years including installation time. Please mention for each year (Lab delivery). One transfer device should be supplied.

(B) Accessories: (i) compressor with drier; (ii) Dewar Flasks and (iii) UPS

(i) Compressor: One oil and dust free air compressor for 400 MHz NMR

(ii) Dewar flasks: Three (3) liquid nitrogen Dewar flasks (can); each of 50 Lit. capacity with nitrogen transfer line and trolley.

(iii) UPS: A suitable UPS system with 1 h or more power backup for complete system

Part-II: Special conditions of contract (SCC).

[Inclusion of any terms and conditions in respect of installation and commission of the equipment]

Two bid quotation should be submitted.

(i) Technical bid and financial bid should be sealed by the bidder in separate covers duly superscribed and both covers are to be put in a bigger which should be sealed and duly superscribed.

(ii) Technical bid consisting of all technical details along with commercial terms and conditions.

(iii) Financial bid indicating item wise price for the items mentioned in the technical bid.

(iv) If requires, the interested bidder may seek clarifying any of related query before submission of the tender documents. If requires, the interested bidder may seek clarification of any relevant query from the office of the undersigned appears physically any working day before dropping /submitting the tender document.

The querry should be related to the technical details and related terms and conditions etc. in respect of the purchase.

(v) The technical bids are to be opened at first. At the second stage financial bids of only technically acceptable offers will be opened before awarding contract.

(viii) *Other incidental charges. The rates and terms should be noted on F. O. R. / F. O. B. basis or delivery at V. B. site*

(5) Below are the details of the above points.

- (i) Validity of the offer :- Here please mention the time (From _____ to _____) up to which your quotations shall be current. The quotationer shall have no right to revise them within the period given here on the plea of fluctuations in the marker rate. Normally the validity of the offer should be for a specified period of 90 days.
- (i) Time of Delivery :- State the period during which the supplies will be effected by you in full.
- (iii) Place of Delivery :- Mention clearly the place of destination, and mode of transit by which the
The supplies will be effected without any extra charges. The University will prefer F.O.R. Santiniketan prices in case of outstation suppliers, and delivery at our site in case of local suppliers.
- (iv) Central Sales Tax :- State the present rates leviable. In case the same is not applicable, mention
'Not Applicable' and if the prices are inclusive of this sales tax, please write 'Included in the Prices'. The S.T./VAT/I.T Pan No. or Registration Number (as the case may be) should invariably be quoted in the offer, a photo copy of the latest clearance certificate of the above be enclosed with the offer, failing which the offer will not be considered.
- (v) Provincial Sales Tax :- As detailed under (iv) above.
- (vi) Excise Duty :- As detailed under (iv) above (V.B. can provide Excise Duty exemption certificate wherever applicable)
- (vii) Insurance: - If the rates are inclusive of insurance, please write 'Included in the prices' otherwise state "Not included". In case local suppliers where insurance is not necessary, they may mention "Does not arise".
- (viii) Packing and forwarding charges: - If these charges are accounted for in the prices quoted by you, please mention 'Included in the prices', otherwise please given an approximate charge thereof. It may be noted that the University will pay only the actual expenses on these accounts.
- (ix) Other incidental charges: - Other charges which are not fully accounted for by the replies given above may be mentioned.

- (6) University reserves the right to accept/cancel any of the tender or part thereof without assigning any reason.
- (7) Suppliers having Rate Contract with Central or Provincial Government should quote along with a certified copy of the current Government Rate Contract.
- (8) The Offer must be accompanied by the related catalogues, leaflets brochures and samples wherever possible. While every effort is made to return the samples to the suppliers, the HOD/P.I./Coordinator/Indenter cannot accept any responsibility in this respect
- (9) All quotations should be net, after showing discounts etc.
- (10) If the terms of the quotation etc. are vague, incomplete, contradictory and confusing, the offer will be rejected without any explanation.
- (11) The suppliers will be informed of the decision in due course in case of decision in their favour and any interim enquiries about offers will not be attended to.
- (12) Once the offer is accepted by the HOD/P.I./Coordinator/Indenter and the order is placed on the basis, the suppliers will have to deliver the goods accordingly within the stipulated time, or meeting the compensation for loss, if any, on account of non execution of the supply order.
- (13) Liquidated Damage:- Visva-Bharati reserves the right to impose liquidated damage as and when required; the rate of penalty will be at par with the same of the Govt. of India's instruction.
- (14) Bank commission where applicable will have to be borne by the supplier.
- (15) All disputes subject to "Bolpur Birbhum, W.B. Jurisdiction" only.

Annexure I(A)

Price bid/Financial bid

Description of items:

A.

Sl No.	Item Name	Description	quantity	Rate/unit price	Extended price	Remarks
1	400 MHz NMR (Magnet System, Upgrade to 1 year Helium Hold Time Component, Gradient Shimming Component, Multipurpose Broadband Probe, Variable Temperature control System)		1			
2	Laser Jet printer		1			
3	NMR Tube		200pcs			

B.

Sl No.	Item Name	Description	quantity	Rate/unit price	Extended price	Remarks
1	5 KVA UPS		1			
2	Air compressor and drier unit		1			
3	Liquid Nitrogen Container -55 Lit		3			
4.	Liquid Nitrogen transfer device		1			
5	Liq Nitrogen for 5 yrs (Lab delivery) including installation					
6	Liq Helium for 5 yrs (Lab delivery) including installation					