

DIVISION OF AGRICULTURAL CHEMICALS
ICAR - Indian Agricultural Research Institute
New Delhi – 110 012 #25843272, 25843588 Extn. 4643

F.No. 1-16/2019-20/SFC/AC

Dated: 03.10.2019

Ind Time Tender

e- TENDER

On Line tender(s) under two bid system (i) Technical bids (ii) Financial bids) on behalf of Secretary, ICAR are invited by the Director, IARI from reputed Manufacturers/ Dealers in the line for supply and installation of scientific equipment(s)/item(s) as below :

Sl. No.	Name of Equipments	Divisions/Units/ Reg. Stations	Amount of EMD	File No.
1.	400 MHZ NMR instrument with liquid and solid probe and accessories with Buy Back	DIVISION OF AGRICULTURAL CHEMICALS	Rs. 9,00,000/-	F.No. 1-16/2019-20/SFC/AC

1.	Start date of online submission of tender form	<u>04.10.2019 From 12.00 noon onwards</u>
2.	Last date of online Submission of tender documents	<u>31.10.2019 by 1.00 P. M.</u>
3.	Online opening of technical bid	<u>01.11.2019 at 2.30 P. M.</u>
4.	EMD	Rs. 9,00,000/- (Rupees Nine lakh only) In the form of Demand Draft/Pay Order/Fixed Deposit Receipt/Bank Guarantee from any Commercial Bank in favour of the Director, IARI payable at New Delhi . The Physical EMD in the shape of DD etc. will have to be deposited with the Tender issuing authority (Room No. 137) of the Division before & up to closing of tender submission date i.e. <u>31.10.2019 up to 1.00 P.M. as well as scanned copy to be submitted online.</u>

Custom Duty Exemption Certificate (CDEC) will be issued only when the bid is quoted in foreign currency in case of foreign made items only and meant for ICAR-IARI on FOB/FCA basis.

Tender form can be downloaded from the Institute website www.iari.res.in and CPP Portal: www.eprocure.gov.in.


Asstt. Admn. Officer

SCHEDULE OF TENDER

(ADVERTISED ONLINE E-TENDER ENQUIRY)

NAME OF DIVISION/ UNIT: AGRICULTURAL CHEMICALS, IARI, Pusa Campus, New Delhi – 110 012

1. For and on behalf of the Secretary, ICAR, the Director, IARI, New Delhi invites **Online E-** tenders under **Two Bid System** (Technical and Commercial Bid) on the prescribed forms Chapter **IV** and **V** for the purchase of following stores as detailed in this schedule to tender. However, it may be noted that it will be the discretion of the IARI authority whether to purchase the below mentioned equipment or not.

Description of stores required	Qty.
400MHZ NMR instrument with liquid and solid probe and accessories with Buy Back	One

2.	THIS TENDER ENQUIRY HAS THE FOLLOWING CHAPTERS AND ANNEXURES
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Schedule to Tender

Chapter I :	Instructions to Bidders
Chapter II:	Conditions of Tender /Contract
Chapter III :	Schedule of Requirement
Chapter IV :	Proforma for Technical Bid
Chapter V :	Proforma for financial bid (as per BOQ)
Annexure -I :	Performance Statement for last 3 years
Annexure-II :	Certificate for compliance of instructions
Annexure-III :	Checklist for tenderers

3	You are requested to study the Online tender documents completely and ensure that <u>all documents and Annexures are correctly filled in, digitally signed and stamped where applicable</u> and then submit your offer online.
4	Tenderers are advised to carefully go through all the conditions and documents attached with this tender enquiry, before submission of e-tender. All tender documents attached with the <u>tender are sacrosanct</u> for considering any offer as a complete offer. <u>All tender documents must be duly completed, digitally signed by authorized signatory on each page and returned with the offer where ever applicable.</u>
5	This tender is not transferable

Signature of Tenderer with office seal


Asstt. Admn. Officer

Chapter-I

Instructions to Bidders

(THIS TENDER SET IS NOT TRANSFERABLE)

1	<u>Name of Division/Unit</u>	DIVISION OF AGRICULTURAL CHEMICALS, IARI, New Delhi – 12
2	Date of start of submission of Tender Document	04.10.2019 From 12.00 noon onwards.
3	Last Date & Time of submission of Tender	31.10.2019 by 1.00 P. M.
4	Opening of time of Tender	01.11.2019 at 2.30 P. M.
5	Place of Submission of Tender Document	Online <u>eprocure.gov.in</u>. Online through CPP Portal at <u>https://eprocure.gov.in/cppp</u>
<p>i). The Division will not be responsible for tenders submitted at any other place/website. Tenders not received within the due date & time will not be considered under any circumstances or for any reason.</p> <p>ii). Tenderers are requested to study the tender documents completely and ensure all documents, forms and annexure to the tender are completely and correctly filled in, signed and stamped where applicable, all necessary literature, brochures and pamphlets have been attached and then to submit their offer. Incomplete tender documents shall be rejected straightway without any reference to the tenderers. Leaving any column not filled in or with cuttings will lead to rejection of the tender.</p> <p>iii) In case tenderer are facing any difficulties in filling the tender or any discrepancy in the tender the same may be reported to this office latest by <u>07.10.2019 before 4.30 p.m.</u></p>		
6	<u>Earnest Money Deposit</u> (EMD)	Must be Physically deposited in the form of crossed Demand Draft/Pay Order/ Deposit receipt/Bank Guarantee in favour of Director, IARI from any Commercial Bank payable at New Delhi, by the tenderer as already mentioned at 1st page of the tender as well as scan copy to be submitted online.
7	<u>OFFER VALIDITY</u>	Six months from date of opening of tender. In the absence of any indication in the tender documents submitted, of the date up to which the offer has been kept valid, it will be taken that the offer will remain open for acceptance for the period specified in the schedule to Tender.
8	<u>Extension of validity &</u>	If the validity of the tender is extended, the validity of the Earnest money will also have to be suitably extended by the tenderer failing which their tender shall not be considered by the purchaser after the expiry of the said period.

9	Eligibility for Responding	<p>i) Only those firms should respond who are the manufacturers or authorized dealers/agents of the stores specified in the tender specifications.</p> <p>ii) The foreign manufacturers of the tendered stores will have to specify in the tender document, details of the after sales service to be provided after expiry of warranty period.</p> <p>iii) Indian agents of foreign manufacturers/principal are allowed to participate in the tender subject to the following conditions: -</p> <p>a) The Indian agent will submit along with the tender documents a copy of authority letter/agreement from the foreign manufacturer/principal for this particular offer.</p> <p>b) Such agreement/authority with the foreign manufacturers/principal should be a long- term agreement and not merely for supply & Installation of the equipment.</p> <p>c) If the agreement is only for the Supply & Installation, the offer received is liable to be rejected.</p> <p>d) The Indian agent will provide details of the after sales service and post contractual support i.e. repair, maintenance, supply of spare parts etc. that he will carry out.</p> <p>e) Offers from firms whose business activities are limited to procuring items from manufacturers, both Indian and Foreign and supplying the same to the purchaser, and having no after sales service backup will not be entertained.</p> <p>f) Where the quoting party /Indian representative claims to be subsidiary or branch office or an authorized representative of principal foreign, manufacturer /supplier in India, then a copy of approval from RBI/Ministry concerned for operating business in India as subsidiary /branch /liaison or joint –venture may be submitted with offer. The Indian agent of foreign manufacturer should be Registered with DGS&D only in case the bid is for item falling in the restricted list of the Export & Import Policy of Govt. of India copy of the current concerned Registration Certificate must be enclosed failing which the bid will not be accepted.</p> <p>g) The tenderer must have latest income tax clearing certificate /PAN /TIN</p> <p>h) The tenderer must have latest GST registration certificate</p> <p>i) The firm must have trade registration certificate</p>
10	Opening of Tender	The Tender will be opened by the Divisional Committee online.

10a		The purchaser has the right to have a demonstration of the equipment/item in his premises. The supplier has to abide by this condition. The demonstration has to be arranged by the supplier at his own cost.
10b		In the case of consumable materials, the firm has to provide sample(s) and in the case of fabrication prototype has to be provided by the firm.
11	Delivery Required By Institution	For Indian manufacturer - Within 45 days from the Date of issue of award letter or as specified in the supply order. For Foreign firms – 180 days from the date of opening of letter of credit (LC)
12	Terms of Delivery Installation	For Indian manufacturer/suppliers:- DIVISION OF AGRICULTURAL CHEMICALS, IARI, NEW DELHI-110012. For Foreign manufacturer/suppliers: - On FOB/FCA basis
13	Inspection after Receipt of Goods	The inspection will be done by the Divisional Committee in the presence of firms representative. The successful tender will have to provide at his own cost and arrangement technically qualified personnel at the consignee's location for joint inspection. These personnel must be able to unpack, assemble and demonstrate the use of the equipment fully and identified each Part/Machines supplied. Any consumables that are essential will be provided by the supplier free of cost. In case of receipt of materials in damaged condition the suppliers will have to arrange the replacement of goods free of cost. All expenses in this regard will be borne by the supplier.
14	Packing & Marking	The packing and preservation of the supplied goods shall be airworthy/seaworthy /roadworthy (as the case may be) so that it may provide their safety during transit period. The seller shall guarantee that the packing is strong enough to withstand the safety of the goods during transport. The packing should satisfy the security seal in the clearing warehouse and shall carry the fragile or other markings as required. Each packing case shall have labels as follows: Contact No. 011-25841390 Consignee: Head DIVISION OF AGRICULTURAL CHEMICALS, IARI, New Delhi
15		AMC/CAMC charges shall be included for the evaluation of the financial/commercial bids. All damages which may occur as a result of defective packing shall be borne by the seller.

16.	Compliance Statement	The firms must submit compliance statement -cum- technical bid in the format given in Chapter -IV failing which their offer will be treated as incomplete and is liable to be rejected.
17.	Earnest money /Security Deposit	<p>Must be deposited in the form of Crossed Demand Draft/Pay Order/ Fixed Deposit receipt/ unconditional Bank Guarantee in the name of the Director, ICAR-IARI, New Delhi from any Commercial Bank payable at New Delhi. No other form of deposit will be accepted. There will be no exemption for paying earnest money. However, Firms registered with the Central Purchase Organization/NSIC only are exempted from submitting bids without EMD (proof of registration must be attached therefore without which it will not be considered). However, in case of foreign equipment, no relaxation will be given for EMD.</p> <p>In case, if any tenderer fails to deposit the Earned Money the tender will be rejected straightway.</p>
18	Guarantee/Warranty	<p>Comprehensive onsite warranty is required. Warranty Terms period will start from the date of installation of items. In case at installation stores/part of stores are found defective /damaged during or after delivery to consignee, the suppliers will replace or repair the store under warranty at consignee's location in India free of cost or if any case it is required to sent back to the foreign manufacturer. <u>Bank Guarantee equivalent to the cost of equipment is required to be submitted before lifting the store.</u> All expenses in this regard will be borne by the supplier.</p>
19	Performance Security	The successful bidder will have to submit a Performance security of equivalent to 10% of the Contract /Order value before the issue of award letter. The validity of performance security valid till 60 days + the period of expiry of the Warranty/ Guarantee period in shape of crossed Demand Draft/Pay order/Fixed Deposit Receipt/Bank Guarantee from a commercial bank in favour of the Director, IARI, New Delhi. No interest will be paid on the performance guarantee deposited in cash/DD.
20	Liquidated Damages	In case the firm does not complete the Supply & Installation within the laid down agreed Security delivery period as per contract, liquidated damages will be charged @ 0.5% per week or part thereof subject to a maximum of 10% of the contract value. However, the Institute reserves the right to either further extend or cancel the contract after expiry of delivery date and recover the liquidated damages from the dues of the firm or by legal means.
21	Dispute settlement	The dispute arising out of this contract shall be subject to the jurisdiction of Indian laws & court at New Delhi. Sole arbitrator is appointed by the Secretary, ICAR, New Delhi. His decision will be final and binding to both parties (Supplier and Purchaser).

22	Submission of the proposal (A) TWO BID SYSTEM	<p>The tenderers must submit the tenders in TWO BID SYSTEM</p> <p>i) The tenderers should submit the tenders in TWO BID SYSTEM along with detailed specifications of the store offered supported by leaflets, Brochure, if any. And the same should be sourced from the official website of the manufacturer.</p> <p>ii) Both the above mentioned bids should be submitted separately.</p> <p>iii) Composite bid i.e. rates indicated in the technical bid openly in tender will be outrightly rejected.</p> <p>iv) Only the first cover i.e. Technical Bid shall be opened on the date of tender opening.</p> <p>v) Price bids of only those offers, which will be technically acceptable, will be opened. Financial bids of technically qualified firms will be opened online.</p>
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A. TECHNICAL BID

a) The FIRST COVER should contain the following:

- i) Tender documents duly completed and signed but WITHOUT INDICATING THE RATE QUOTED.
- ii) The technical details of the models offered along with the supporting original technical literature, leaflets, brochures etc. as per Chapter-IV duly authenticated with official website of manufacturer.
- iii) Earnest Money
- iv) Details of supplies of similar equipment as per Annexure-III along with copies of supply orders.
- v) Latest agreement /authorization from the foreign firms in case Indian agent is submitting tender on its behalf.
- vi) Trade registration certificate from the RBI/Ministry/department concerned.
- vii) Latest income tax clearance certificate /copy of PAN card/ISO Certificate
- viii) Latest GST clearance certificate.
- ix) Technical bulletin with specifications clearly stated with model. Duly authenticated with official website of manufacturer.

b) SECOND COVER should contain the following:

- i) Details of rates, taxes, duties, discounts, if any, quoted by the bidder, should be submitted as per Chapter-V.
- ii) Any documents in support of price bid.
- iii) For Indian manufacturer rate should be at F.O.R. destination.
- iv) For foreign supplier rates should be at FOB/FCA basis.

23	Evaluation of the Proposal	<p>A two stage procedure will normally be adopted: -</p> <p>i) Stage-I:</p> <p>Evaluation of Technical Bids to assess their suitability against the laid down parameters.</p> <p>Tenderers must ensure that they upload all original technical literature and detailed documentary proofs which specifically bring out the compliance of the equipment being offered against the specifications. If necessary the Tenderers may be directed to give a presentation for evaluation by a technical committee constituted for the purpose.</p> <p>In case it is not possible to verify compliance of equipment as per technical bid due to lack of adequate documents, in original no reference will be made to tenderer and the bid will not be considered further and treated as cancelled.</p> <p>ii) Stage-II</p> <p style="text-align: center;">Financial Evaluation</p> <p>A) The price bids of only those firms found meeting the laid down specifications at stage-I shall be opened, evaluated and considered further.</p> <p>B) It is in the tenderers interest to include all relevant and detailed technical data as supporting documents along with their bid.</p> <p>C) AMC/CMC charges shall not be included for the evaluation of the financial/commercial bids.</p>
24	Mode of Payment	<p>A. FOR INDIGENOUS SUPPLIES:</p> <p>Payment on bill basis after supply, satisfactory installation, commissioning and performance of the equipment at New Delhi and after certification by our Scientists concerned.</p> <p>B. FOR IMPORTS: The payment shall be made through irrevocable Letter of Credit (L.C.). LC will be opened on 100% value of the equipment/item on FOB/FCA value and 90% shall be released on presentation of complete and clear shipping documents. Rest 10% will be released only after satisfactory installation and commissioning of the equipment. This will not include commission to the Indian Agent. Payment to the Indian agent will strictly be made in Indian Rupees after satisfactorily commissioning of equipments.</p> <p>All bank charges outside India will be borne by the supplier. In case the delivery date of the contract is extended to take care of delay in supply, for which the</p>

		supplier is responsible, the tenure of the letter of credit it extended, the expense incurred on such extension is to be borne by the supplier.
25	Training	THE TENDERERS SHALL PROVIDE TRAINING TO THE USER AS PER THE TERMS & CONDITIONS OF THE CONTRACT AS HAS BEEN SPECIFIED IN TECHNICAL & FINANCIAL BIDS FREE OF COST AT THE TIME OF INSTALLATION/COMMISSION OF EQUIPMENT AT THE CONSIGNEES/ USERS LOCATION. AS SPECIFIED BY THE PURCHASER. ALL EXPENSES IN THIS REGARD WILL BE BORNE BY THE SUPPLIER.
26	Insurance	As applicable in the case of imported goods. For indigenous item it will be responsibility of the supplier to supply the material in good condition on FOR basis without involving the risk of the purchaser.

A legally agreement/contract shall be executed with the contractor/firm by the Institute before installation of all/any type of instrument/machine as per the instructions of the Indian Council of Agricultural Research (ICAR).

Signature of Tenderer with office seal

CHAPTER-II

CONDITIONS OF TENDER/CONTRACT

All annexures, attached with the Tender should be duly filled in and supported with requisite documents for considering any offer as a complete offer.

Director, IARI, New Delhi, reserves the right to cancel/reject any or all the tenders without assigning any reason.

EARNEST MONEY DEPOSIT: Must be deposited in the form of crossed Demand Draft/Pay Order / fixed deposit receipt/ Bank Guarantee in favour of Director, IARI from any Commercial Bank payable at New Delhi. No other form of deposit will be accepted. Technical bid without physical deposition with tender issuing authority before the prescribed date will be rejected.

There will be no exemption for paying earnest money. However, Firms registered with the Central Purchase Organization/ NSIC only are exempted from submitting bids without EMD (proof of registration must be attached therefore without which it will not be considered). However, in case of foreign equipment, no exemption will be given for EMD submission.

No interest shall be payable by the purchaser on the EMD deposited by the tenderer.

The EMD deposited is liable to be forfeited if the tenderer withdraws or amends impairs or derogates from the tender in any respect within the period of validity of his tender.

If the successful tenderer fails to furnish the performance security as required in the contract within the stipulated period, the Earnest Money shall be liable to be forfeited by the purchaser.

EMD of the unsuccessful tenders shall be returned after finalization of tender.

GUARANTEE/WARRANTY

Except otherwise provided in the invitation to tender the contractor hereby declares that the goods/ stores/ articles/ equipment sold/ supplies to the purchaser/consignee under this contract shall be of best quality and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars mentioned/contained in the contract. The contractor hereby guarantees that the said goods/stores/articles would continue to conform to the description and quality aforesaid for a period of Sixty months from the date of receipt of goods/articles/equipment in good condition at site by the consignees in case of supply contract and Twenty Four months from the date of installation and satisfactory taking over of the goods/stores/articles/equipment at site by consignee where installation and commission is involved and notwithstanding the fact that the purchase /inspection authority has inspected and/or approved the said goods/stores/articles equipment or such if during the

Twenty Four months the said goods/stores/articles/equipment be discovered not to confirm to the description and quality aforesaid or not giving satisfactory performance or have deteriorated and the decision of the purchase /consignee in that behalf shall be final and binding on the contractor/seller and the purchaser shall be entitled to call upon the contractor/seller to rectify the goods/stores /articles/equipment or such specified period as may be allowed by the purchaser in his discretion on application made thereof by the contractor/seller, and in such an event, the above period shall apply to the goods/stores/articles/equipment rectified from the date of rectification mentioned in the warranty thereof, otherwise the contractor/seller shall pay the purchaser such compensation as may arise by reason of the breach of warranty therein contained. Notwithstanding anywhere else mentioned to the contrary in this document, the bids would be evaluated on price of the equipment and accessories, if any. AMC/CMC charges shall not be included for the evaluation of the financial/commercial bids.

Guarantee that they will supply the spare parts, if and when required on agreed basis for an agreed price. The agreed basis could be and including but without limitation an agreed discount on the catalogue price or an agreed percentage of profit on landed cost.

Warranty to the effect that before going out of production for the spare parts they will give adequate advance notice to the purchaser of the equipment so that the later may undertake the balance of lifetime requirements.

NOTE: In case of any discrepancy in the period of guarantee/ warranty mentioned anywhere else in this Tender document, the stipulations as mentioned in the chapter III (specification of the equipment/ item to be purchased) would prevail.

Price: The price quoted shall be on firm and fixed basis and should be reasonable leaving no scope for any further negotiation on price.

A. For goods manufactured in India: on FOR basis (including all kind of charges and taxes

i) Installation commissioning charges, if any

B. For goods manufacture abroad: The price of the goods should be quoted on FOB/FCA basis excluding the Indian agent commission if any.

Installation commissioning charges, if any

Costs of imported item/equipment manufactured in abroad, should be quoted in the currency of manufacturing country on FOB/FCA basis. Quotation in Indian Rupees will be accepted if the good/equipment is manufactured in India, otherwise the bid will be liable to be outrightly rejected.

The Institute is exempted from payment of excise duty. Hence, excise duty will not be paid to the firm.

The Institute is exempted from payment of Custom Duty for which the exemption certificate will be issued, in case of imported equipment only.

5(A) CMC/ AMC of Equipment: The firm should mention the charges of CMC/AMC at least for four years after standard warranty period of one year from the Principal in the prescribed format enclosed.

NOTE: In case of any discrepancy in the period of and/or CMC/AMC mentioned anywhere else in this Tender document, the stipulations as mentioned in the chapter III (specification of the equipment/ item to be purchased) would prevail.

Penalty for use of undue influence:-

The seller should undertake that he has not given offered or promised to give directly or indirectly any gift, consideration, reward, commission, fees brokerage of inducement to any person in service of the Purchaser or otherwise in procuring, the contract or forbearing to do or for having done or for borne to do any act in relation or execution of the contract or any other contracts with the Institute for showing or for bearing to show favour or disfavor to any person in relation to the contract or any other contract in the IARI. Any breach of the aforesaid undertaking by the seller or any one employed by him or acting his behalf whether with or without the knowledge the seller or the commission of any offers by the seller or any one employed or acting on his behalf, as defined in Chapter-IX of the IPC, 1860 or the Prevention of Corruption Act, 1947 or any other Act enacted for the Prevention of Corruption shall entitle the purchase to cancel the contract and all or any other contract with the Institute seller and recover from the seller the amount of any loss arising from such cancellation. A decision of the purchaser or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the seller.

Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the seller towards any officer /employee of the purchaser or to any other person in a position to influence any officer /employees of the purchaser for showing any favour in relation to this or any other contract sell render

LAWS GOVERNING THE CONTRACTS: The contracts shall be governed by the laws of India for the time being in force. The contract shall be interpreted in accordance with these laws.

Jurisdiction of Court: The court of the New Delhi shall have a Jurisdiction to decide any dispute arising out of or in respect of contract.

Force Majeure Clause: The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such event may include, but are not

limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods. Epidemics, quarantine restrictions, strikes, lockout or any act of war. Notice of the happening of any such event is given by either party to the other within 15 days from the date of occurring thereof. However either party at its discretion can terminate the contract in such cases.

Termination of contracts:- Time shall be the essence of the contract. The purchaser shall have the right to terminate the contract without any notice in part or in full in any of the following cases.

The delivery of the material is delayed for causes not attributed to Force Majeure after the scheduled date of delivery.

The seller is declared bankrupt or becomes insolvent.

The delivery material is delayed due to causes of Force Majeure by more than reasonable time.

In case Performance Security is not furnished within the time period specified by the purchaser.

Supply in the case of successful Tenderer should strictly confirm to the specifications of the equipment being purchased.

Any change in Address /Telephone/Fax/e-mail of the tenderer should immediately be informed. The state of non-communication by the firm will make the offer liable for rejection.

The successful bidder will have to provide the original proforma invoice from the foreign principal (duly signed in ink), in case of imported item/equipment, within 15 days of the date of receipt of purchase order, otherwise the purchase order will automatically stand cancelled without any further communication.

Govt. Regulations: - It shall also be confirmed that there are no Govt. restrictions or limitation in the country of the supplier or countries from which sub-components are being procured and/or for the export of any part of the system being supplied. Supplies/Contracts shall provide a certificate this effect.

Late /Delayed tenders shall not be considered at all. These will be returned to the firm as it is at their expenses. Post tender revision/correction shall also not be considered.

Acceptance or rejection of offer: The Director, IARI, New Delhi reserves the right to accept or reject any tender in part or full without assigning any reason thereof. The successful bidder should submit order acceptance letter within 15 days from the date of issue.

Page Numbering & Signatures: - Every page of the tender must be numbered and signed by the authorized signatory giving his/her name and designation below the signature.

Signature of Tenderer with office seal


Asstt. Admn. Officer

Chapter-III

Technical specifications for 400 MHz NMR SPECTROMETER

Equipment: 400 MHz NMR SPECTROMETER WITH LIQUID AND SOLID PROBE

Supply, Installation and commissioning of 400 MHz FT-NMR Spectrometer with liquid and solid probe

1. Magnet and Container

- Latest technology shielded magnet 9.39 Tesla with 54 mm bore superconducting magnet for 400 MHz
- Anti-vibration platform to damp the frequencies above 5 Hz or better to get neat spectra should be quoted as part of the system.
- Helium hold time should be more than 365 days with auto level monitoring and recording.
- Liquid nitrogen hold-time for at least 14 days.
- One set of Liquid Nitrogen Line with cork should be provided.
- At least 20 or more Room Temperature shims for excellent line-shape

2. Electronics, Console and Probes

- Radiofrequency (RF) Generator: Two independent channels to handle nuclei such as ^1H , ^{13}C , ^{15}N , ^{19}F , ^{31}P , etc. capable of performing multi dimensional NMR experiments. High performance power transmitters with High band ($^1\text{H}/^{19}\text{F}$) amplifier (100 watts) and a low (or Broad) band (X) amplifier (300 watts or more).
- Gradient experiments such as Pulsed Field Gradient experiments with higher gradient strength, faster shimming should be the capability of the machine. Frequency generation, digital receiver controls with over sampling and digital filters should be quoted appropriately.
- Provisions for setting frequencies and field to lock and Digital-Auto Lock providing higher stability. System should achieve locking of the sample with different combination of solvents in a short duration without manual interference.
- Auto shimming feature for solution. Gradient unit for Auto shimming to achieve good line shape of sample and to perform all new gradient pulse program based experiment with capability to run DOSY and other gradient experiments having capacity of 30 G/cm or better with 10 Amp external gradient.
- Automatic Tuning and Matching for the nuclei under study for liquid samples.
- Variable temperature experiments to be done in the range $+100^\circ\text{C}$ to -80°C with $+0.1^\circ\text{C}$ variations or more comprehensive range should be provided. Controller should be able to sustain temperature stability for both high and low ranges up to a longer period of time. Accessories and consumables if any required for the variable temperature control should be quoted appropriately.
- High bandwidth receiver system with digital quadrature detection
- 16 Bit Analog to Digital Converter or better to be quoted
- 5 mm Multinuclear Broad Band Direct/observe Z-gradient Probe capable of covering nuclei range ^1H , ^{19}F , ^{31}P to ^{15}N , ^{39}K and ^{109}Ag with computer controlled automatic

tuning and matching (ATM). Signal to Noise ratio should be more than 500 for ^1H (the experimental conditions should be clearly specified)

- One solid state 3.2 mm CP-MAS/HX-MAS probe with essential accessories including one set of sample kit should be quoted
- Spinner for CP/MAS/HX-MAS probe (quantity: 10) with at least 20 KHz spinning speed

3. Auto-sampler

- Fully functional auto sampler with capacity of handling at least 24 samples should be included.
- Sample holder should work in entire temperature range.

4. Hardware and Software Requirements

- High performance Latest computer (PC) system or workstation for controlling NMR data acquisition and processing.
- Two additional workstations (Dell or equivalent; 8 GB RAM) for off- line data processing and analysis should be provided
- Software for multi-dimensional NMR data collection and processing for liquids samples
- NMR Software for acquisition and processing of 1D and 2D data.
- NMR software (20 licenses) for processing the FID file in PC/Laptop.
- High performance laser printer
- Software for multivariate analysis on NMR spectral data

Warranty

- Comprehensive Maintenance Warranty for five years after installation and should cover all hardware, software and accessories.

Accessories and Miscellaneous Items

- Suitable online branded UPS (10 KVA) for 1hour backup with branded ultra-shield maintenance free batteries
- Compatible imported oil free, Noise free air compressor with dryer
- 4 cryocans of 55-liter capacity
- Onsite training for operation and maintenance should be given during the installation.
- 24 Spinners for 5 mm NMR tubes (spinners should work in entire temperature range)
- 500 high quality 5mm NMR tubes
- 5 high quality NMR rotors for 3.2mm solid probe
- Four split climatizers (Hitachi, O General or equivalent) 2-ton capacity to maintain the temperature of 25°C with auto switch over
- Standard set of samples for calibration.
- One cold storage system 500L for storage of NMR samples
- Trained operator from the company along with the emoluments for 5 years should be quoted.

- A branded vibration free table of suitable size for housing the computer systems and two quality revolving chair for operator.
- One imported ultrasonic 6 litres bath
- Supply of liquid Nitrogen for an observation period of 30 days from the date of installation without any additional cost.
- The supplier/vendor has to take the responsibility for the supply of liquid Nitrogen and liquid Helium required for installation.

Certified that the specifications are generic in nature and is expected to elicit adequate response if tenders are floated for the same.

Minimum Eligibility Criteria

1. The **400 MHZ NMR SPECTROMETER WITH LIQUID AND SOLID PROBE** System is to be imported only and should not be the refurbished or locally supplied.
2. Minimum 5 globally installations of the **400 MHZ NMR SPECTROMETER WITH LIQUID AND SOLID PROBE** in National R&D Institutions for the past 5 years. Documents supporting documents by means of purchase orders/latest service reports/installation reports to be enclosed. List of installation for the quoted model to be enclosed and performance certificate.
3. Declaration from the Principals that minimum 10 years support in terms of spares and service will be provided.
4. Minimum 5 Years (1+4) comprehensive warranty for **400 MHZ NMR SPECTROMETER WITH LIQUID AND SOLID PROBE AND ACCESSORIES**
5. **Buy Back value of existing 400 MHz NMR** instrument need to be quoted.
6. Onsite training/demonstration for one week to the project staffs/scientists to be provided at no additional cost

General Conditions

1. Original and licensed Software for the equipment should be provided
2. Documentary evidence in terms of publications for the quoted model.
3. List of service staffs and centers available in India.
4. List of the Indian users of quoted model for last three years
5. Firms should not quote obsolete / discontinued models.
6. Equipment should work under 220 to 240 V/50Hz conditions.

(Note: Non Compliance to above eligibility criteria will result in rejection of the bid)

Signature of Tenderer with office seal

Chapter-IV

NAME OF DIVISION/ UNIT: DIVISION OF AGRICULTURAL CHEMICALS

IARI, New Delhi – 110 012

TECHNICAL BIDS

Technical specifications to be offered by the firm

S.No.	Details of Technical Specifications (As per Chapter III)	Whether complied with YES/ NO	If yes, give the exact specifications offered, and attach Tech literature of the equipment duly printed & clearly specify page No. of Bulletin which specifically confirm this.	If no, attach deviation statement	Remarks (if any)
1.	Whether you meet all the specification alongwith other conditions as mentioned specifically in the "technical specification proforma as per Chapter- III				

N.B.: All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo. (in case of imported items)

Signature of Tenderer with office seal

CHAPTER-V

NAME OF DIVISION/UNIT: AGRICULTURAL CHEMICALS
 ICAR-IARI, New Delhi-110012.

PROFORMA FOR PRICE BID

(Compulsory to be filled up with details by the bidder & sealed in separate cover)

Sl. No.	Details of Specifications	Rate/Unit	Net Price
	<i>Optional accessory</i>		
	<i>I) Ex factory price offer (excluding agency commission, to be invariable separately shown and if nothing is claimed reasons thereof must be indicated failing which the bid will not be considered)</i>		
	<i>II) Training Cost, if any</i>		
	<i>Packaging & handling charges</i>		
	<i>FOB (New Delhi) Price excluding agency commission</i>		

<p><i>Any payment to be paid in Indian Rupees towards agency commission, Supply of Indian made item and other charges like GST.</i></p> <p><i>Name of items:-</i></p> <p>1. _____</p> <p>2. _____</p> <p>3. _____</p> <p>4. _____</p> <p style="text-align: center;"><i>GST</i> _____ <i>Total</i></p>		
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**Components to be supplied locally to be clearly indicated.*

Signature of Tenderer with office seal

Annexure-I

PERFORMANCE STATEMENT FOR LAST 3 YEARS

S. No.	Name of the items	Name of the office by whom order was placed	Order No. & date (Please enclose copy of supply orders)	Value of supply order	Delivered in time or not	If not please specify the reason	Attach satisfactory working report from each office (Yes/No)

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Signature of Tenderer with office seal

CERTIFICATE TO BE SIGNED BY THE TENDERER

CERTIFICATE

It is certified that I have read and understood and will comply all instructions contained in tender enquiry and its schedule. All pages of schedule to tender from page _____ to _____ have been filled properly and signed.

Signature of tenderer: _____

Name in block letters: _____

Name of firm: _____

Full address: _____

i) Telephone No. _____

ii) Mobile No. _____

iii) Fax No. _____

iv) Email id _____

v) Website _____

Signature of Tenderer with office seal

Check list for Tenderers

Before submission of tender documents, Tenderers should check they have complied with the following requirements:

Sl. No.	Requirements to be checked before submission of the tender	Complied (Please indicate Yes after complying with the requirement)
1	Cost of Earnest money Deposit (EMD) in the form of DD etc. has been submitted physically with the tender issuing authority and a scanned copy has been submitted online.	
2	Copy of valid registration certificate with DGS&D in the case of Indian Agent enclosed only in case the bid is for item falling in the restricted list of the Export & Import Policy of Govt. of India	
3	Copy of trade registration certificate from the RBI /Ministry or department concerned in the case of foreign subsidiary firm	
4	Enclose GST registration certificate , PAN No. and ISO Certificate	
5	Complete tender documents have been enclosed, after signature & stamping on ALL pages.	
6	Signatures of witness with full name and address have been added whenever required on tender document.	
7	Proposal has been submitted in two bid system as per tender enquiry.	
8	Offer validity as required in tender has been accepted & clearly mentioned in tender document.	
9	Delivery Terms & Period as per tender have been accepted and mentioned in tender.	
10	Payment Terms as per tender have been accepted and mentioned in tender.	
11	Compliance statement as per chapter-IV has been enclosed along with supporting technical documents /proof for each point/parameter clearly showing it is complied with or not.	

12	Performance statement for 3 years as required in tender, in the laid down format as per annexure-I, has been enclosed. If not, reasons be specifically given in writing.	
13	Warranty terms as per tender accepted.	
14	Annexure-II regarding compliance of all conditions mentioned in the tender form has been enclosed.	
15	Status of tenderer has been clearly written in tender – manufacturer or manufactures authorized agent. If authorized agent, valid latest agreement authority letter/agreement for the stores quoted from the manufacturer has been enclosed.	
16	Free Training on use of equipment after supply, as specified tender, has been accepted in writing.	
17	Technical and financial bid along with necessary documents have been sealed in separate envelops and both envelops again sealed in a big envelops with prescribed writing on envelops.	
18	The tenderer has clearly mentioned in writing that business dealings with their firms have not been banned by any Govt./Private agency.	
19	If the tenderer wants to mention any specific condition, it must be mentioned on the covering/forwarding letter only which will be placed on the first page of the technical bid. Such condition mentioned in any other document shall not be given any consideration.	

Signature of Tenderer with office seal