



NOTICE INVITING TENDER (NIT)

NIT. NO.: NIPER-HJP/S&P/LC-MS/ 44B/2020-21

DATE: 22.01.2020

Sealed quotations in bid system are invited from the reputed Manufacturers and/or their authorized distributor/ dealers for the supply of the following instrument for the **NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH (NIPER), Hajipur**. Bid documents with other terms and conditions can be submitted with bid fee and notified EMD as per the following:

Bid fee – DD (Non-refundable) (Any scheduled Bank)	Last Date and time for submission of bids	Venue for submission & opening of Technical Bids.
NA	13.02.2021 till 5.00 PM	Office of the NIPER, Hajipur, Bihar- 844102

Name of the Instrument:

1. **Ultra High-Resolution Mass spectrometry with nano LC and UHPLC**

EMD: Not Required

Important dates:

1. Bid publication date 22.01.2021
2. Last date of submission of queries 24.01.2021 by 5.00 PM
3. Clarification to Queries with corrigendum (If necessary) 26.01.2020
4. Submission of bid starts from 27.01.2021 by hand or speed post, in sealed envelop
5. Last date & time of bid submission 13.02.2021
6. Technical Bid Opening date & time 15.02.2021
7. Price bid opening date & time
(To be announced in due course)

NIPER - Hajipur

NIT. NO.

Date:

National Institute of Pharmaceutical Education & Research (NIPER)-Hajipur, an Institute of National importance, invites sealed tenders from reputed Original reputed Manufacturers / Authorized Dealers / Distributors for quality procurement of **Equipments listed in Annexure I.**

All interested renderers are requested to send their sealed quotation as per technical specifications in **Annexure – I** and price bid as per **Annexure – III (under two bid system).**

Tenders will be accepted up to 13.02.2021 till 05:00 PM.

Detailed descriptions of the item and instructions for submitting your offer can be downloaded from our website www.niperhajipur.ac.in . However, a cross Demand Draft of Rs.2000/- (Non-refundable) towards tender fee and another Demand draft of Rs 2000000/- (Rupees Twenty Lakh only, Refundable) towards PBG drawn in favor of the **DIRECTOR,NIPER-Hajipur** on any Scheduled Bank payable at **Hajipur** as mentioned against the item should be submitted along with the technical bid.

The proposals must be sent in two separate sealed envelopes (Technical Bid and Price Bid) duly super scribed with Reference Number and Tender Notice details as given below:

TENDER FOR SUPPLY OF EQUIPMENTS TO NIPER-HAJIPUR

LAST DATE FOR SUBMISSION OF TENDER 13.02.2021 TILL 5.00 PM.

To,

The Registrar(I/C),

NIPER-Hajipur

Address:

From : M/s NIPER-Hajipur

**Address EPIP Campus, Industrial Area,
Jandaha Road, Hajipur-844102**

Contact No.06224-277225/24/29/26

Email ID

niper.hajipur2007@gmail.com

The price bid will be opened only of those firms, who will be found technically qualified after evaluation of their technical bids. **The technical bids will be opened on 15.02.2021 after 12:30 PM**, in the office of the Director, NIPER-Hajipur in the presence of the Bidders / Vendors or their authorized representative who wish to be present. No separate communication in this regard will be sent to the bidders.

NIPER Hajipur

NOTE: The bid documents are not transferable and the firm's seal and signature of the authorized official must appear on all papers and envelopes submitted.

INSTRUCTION TO BIDDERS

Two/Double Bids :

1. Tenders will have to be submitted in TWO PARTS i.e. (a) Technical Bid and (b) Price Bid, in two separate properly sealed covers indicating the type of Bid; and both these covers will have to be put together in to a separate single sealed cover. Also the address of the firm submitting the tender and the officer, to whom the tender is addressed, must appear distinctly on both the inner sealed covers, indicating also TECHNICAL BID / PRICE BID as may be applicable.

2. In the part relating to Technical Bid, the Vendor must provide the following:

- (a) Details of the technical features of the offered Equipment vis-à-vis specification as per **Annexure –I**;
- (b) Standard Technical literature/Brochures/Catalogues and related documents on each of the items offered;
- (c) Dealership Certificate on the offered products from Bidder in case of dealer/s;
- (d) List of reputed organizations/Institutions, where similar orders have been executed (copies of the purchase/work order will have to be enclosed).
- (e) The bidders should attach a self declaration stating that he is not banned / debarred from working with any Central Government / PSU/ State Govt. of India/ Any other Govt. Agencies or any Institute of National / International importance. (**Annexure-II**)
- (g) Balance sheet with auditor's report for last three years.
- (h) Copy of PAN must be submitted of Firm/Bidder along with the Technical Bid;
- (i) Banker's details of tendering Firm/Bidder should be clearly mentioned;
- (j) Details of nature and maximum period of **Warranty** offered by the Bidder;
- (k) Amount of Earnest Money Deposited (**EMD**), in the form of Demand Draft only, will have to be clearly stated and the same has been enclosed with **Technical Bid** only;
- (l) A copy of the Price Bid, **WITHOUT MENTIONING THE PRICES**, will have to be provided as part of the Technical Bid document as given at **annexure III**
- (m) Format of compliance statement as provided at **annexure IV**.
- (n) Format for technical bid as provided at **annexure V**.

03. In the part relating to Price Bid, the Bidder must provide the following :

- (a) Quantity, basic price (against item-wise details of specifications of each of the offered items) – **Annexure-III**
- (b) Prices of each of the optional accessories, as required by specifications and may be relevant for offered Equipment, will have to be specifically stated in the quotation;
- (c) GST (as percentage of basic price + packing & forwarding charges if any);
- (d) Installation & commissioning charge (including Service Tax), to be shown item-wise extra, if any.
- (e) Freight & insurance charge, if any.
- (g) Annual Maintenance Contract (**AMC**) rate (after expiry of warranty period) is to be clearly indicated – preferably in both comprehensive and non-comprehensive terms, failure to which the offer may not be considered even if it turns out at the lowest price.

Terms & Conditions:

1. **Rates :** Rates quoted should be on F.O.R./FOB NIPER-Hajipur, on Door Delivery basis .Prices to be quoted in Indian rupees for offers of indigenous equipments and in foreign currency only in case of offers received for supply from Foreign country.
02. **Validity:** Quoted rates must be valid for 90 days from the date of opening of the tender.
3. **Warranty:** The material must be quoted with a minimum comprehensive Warranty **period** of 36 months from the date of installation of the equipment.
4. **EMD:** In the form of a DD in favour of '**DIRECTOR,NIPER-Hajipur**' payable on any scheduled Bank at Hajipur.
5. **Delivery:** Delivery of goods at NIPER-Hajipur will have to be made within the specified date mentioned in the Purchase Order. All aspects of safe delivery shall be the exclusive responsibility of the Bidder.
6. **Rate of AMC:** Annual Maintenance Contract rate (after expiry of warranty period) is to be clearly indicated. The selected supplier/s is to ensure regular availability of spares for 10 years from the date of installation.
8. **Late and delayed Tenders:** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on prescribed closing/opening date, the next working day shall be the prescribed date of closing/opening.
9. **Ground for Rejection of Tender:** The tenders are liable to be rejected if the fore going conditions are not complied with. The tender should be complete in all respects and duly signed wherever required. Incomplete and unsigned offer will not be accepted. Bids would be rejected, if the bidder resorted to either directly or indirectly in corrupt, fraudulent, collusive or coercive practices in the process.
10. **Payment Terms:** 100% payment will be released after receiving of the ordered item(s) in good condition and successful installation and commissioning duly certified by the concerned authority. Selected vendor should arrange to submit a **Performance Bank Guarantee** to the tune of 5% of the total purchase value at the time of submitting the bill. This Performance Bank Guarantee should be issued from any Nationalized Bank and validity of the same will be till **warranty period + 60 days** from the date of delivery and installation of the material. In case of non submission of Bank Guaranty, 5% of the cost of the Equipment would be kept with held till the completion of warranty period and would be released after 60 days of completion of Warranty Period subject to condition of satisfactory performance of the Equipment till that time.
11. **Liquidated Damage:** If a firm accepts an order and fails to execute the order in full as per the terms and conditions stipulated therein, it will be open to this institute to recover liquidated damages from the firm at the rate of 1% per week of the order value subject to a maximum of 10% of the order value. It will also be open to this institute alternatively to arrange procurement of the required stores from any other source at the risk and expense of the firm, which accepted the order but failed to execute the order according to the stipulated terms and conditions agreed upon.

12. **Termination for default:** Default is said to have occurred:

- (a) If the supplier fails to deliver any or all the services/goods within the time period (s) specified in the purchase order or any extension thereof granted by NIPER-Hajipur.
- (b) If the supplier fails to perform any other obligation(s) under the contract.
- (c) If the vendor, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of the default notice from NIPER-Hajipur (or takes longer period in spite of what NIPER may authorize in writing), NIPER-Hajipur may terminate the contract / purchase order completely or in part and forfeit the EMD.

In addition to the above, NIPER-Hajipur may at its discretion also take the following actions: NIPER may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate NIPER-Hajipur for any extra expenditure involved towards goods and services.

13. Applicable Law:

- (a) The purchase shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/processing.
- (b) All disputes are subject to exclusive jurisdiction of Hajipur only.
- (c) Any dispute arising out of this purchase shall be referred to the Director, NIPER-Hajipur and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to an Arbitrator for decision of Arbitrator, to be appointed by the Director of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.

14. The acceptance of the quotation will rest solely with the Director, NIPER-Hajipur, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to reject or partially accept any or all the quotations received without assigning any reasons.

15. **Important :** The Director, NIPER-Hajipur may accept or reject any or all the bids in part or in full without assigning any reason thereof and doesn't bind himself to accept the lower bid. The institute at its discretion may change the quantity / upgrade the criteria / drop any item or thereof at any time before placing the Purchase Order.

Technical Specification of Ultra High-Resolution Mass spectrometry with nano LC and UHPLC for both Quantitative and Qualitative Applications:

Description	Specification
A]. General Description:	High Resolution Mass Spectrometry should be a combination of Quadrupole with ultrahigh resolution MS with UHPLC and accessories for metabolomics, Pharmaceuticals, and Proteomics applications. The complete workstation should be quoted with all required Softwares and all pre -requisites for operation of the system.
B]. Sources:	<ul style="list-style-type: none"> • The System should have ESI. APCI source capable to handle flow rate from 1ul /min to 1000ul/min or better. • Nano ESI source handles flow rate from 50nl/min to 2000nl/min for Nano columns up to 50cm length. Desolation temperature 500 DEG C or better • APCI Source without splitting upgradable to APPI Source in future. • The system should be upgradable to suitable Ion mobility option; enabling identification and quantitation of more proteins.
C]. Mass Analyzer HRMS :	<ul style="list-style-type: none"> • The MS should have high-performance advance quadrupole design with pre & post filter quadrupole works as precursor isolation from 40-2500da. The quadrupole should work variable precursor isolation width from 0.4 to 1200da for DIA experiments. • The HRMS should have ultra-high-resolution capability of >80,000 FWHM at 200m/z or better. • The high-resolution MS should have mass range up to 5000Da. • System is capable to demonstrate the Mass Accuracy measurement of <3ppm with external calibration and <1ppm with internal calibration. • For Internal calibrant should be in vacuum for maintaining the accuracy <1ppm without contamination of the API source. • Sensitivity: MS/MS: 50 fg reserpine on column S/N 100:1, SIM: 50 fg reserpine on column S/N 150:1 or better • Should have scan speed of 20hz/sec in MS and MS/MS mode. • Should have Data Dependent Acquisition (DDA), MS2 scan by DDA with Top N experiments. in targeted SIM manner based upon a sample dependent, Triggered MS2 by exclusion mass list .M2 Scan by Data Independent Analysis • The mass spectrometer must be capable of fast polarity switching acquiring one spectrum in positive and one in negative with <1.4hz cycle time or better • On-the-fly charge state deconvolution for intelligent ddMS2 on intact proteins applying Smart HCD. • System should demonstrate in spectrum dynamic range of >5000:1 or better within one spectrum.

Description	Specification
D].Scan Functions :	<ul style="list-style-type: none"> • Full scan • MS2 by Data-Dependent Acquisition (DDA) following a master scan (i.e., a Full MS scan or a tSIMscan): • Isolation Width: 0.4 u to 5 u • Timed MS2 • Targeted MS2 with Mass List Table • Multiplexing for >18 compounds
E]. Ultra High Performance Liquid	<ul style="list-style-type: none"> • Fully Bio Compatible Quaternary gradient system with four channel

Chromatography :	<p>vacuum degasser, auto sampler and column oven for ultra-fast separations</p> <ul style="list-style-type: none"> • Flow rate range 0.001 to 2.0 ml or better, programmable in 0.001 ml increment and should be suitable for LC-MS/MS operations. • Flow accuracy of $\pm 0.1\%$ or better • Gradient precision 0.15% RSD or better • Flow path free from stainless steel component suitable for separation of biomolecules. • Gradient delay volume 200 ul or better • Auto sampler should be available with a capacity of 120 vials of 1.5 ml and should be capable of accommodating 96 well plate with injection volume range from 0.1– 25 ul, 0.01 ul increment, Split loop mode with Flow through design. • Injection volume accuracy $\pm 0.5\%$ or better • Injection volume precision 0.25% RSD or better • carry over 0.004% or better • The system should have sample temperature control auto sampler from 4° - 40°C programmable in 1° C increment (ambient temp 20°C) • Thermostatic column compartment • Temperature range Ambient to 100°C or better • Temperature accuracy $\pm 0.5^\circ\text{C}$ or better • Column capacity: up to 2 columns, depending on column length • System should have max. pressure 15000 psi or better. • The HPLC system should have single point software-based control with Mass spectrometer.
FJ. Columns:	<ul style="list-style-type: none"> • Sub 2-micron particle size C18 column -2 Qty • Suitable MS Columns for HILIC Application -2 Qty • Suitable MS Column for Metabolomics Application-2 Qty.
GJ. System Software and Hardware:	<ul style="list-style-type: none"> • System software is to be capable of detecting, recording and analyzing the data. It should have following capabilities • Software package include latest versions of data acquisition, data processing, qualitative, quantitative analysis, targeted screening, • Suitable Software/Database for small molecules & Metabolite ID and metabolomics applications. • High configuration recent i7 dual core processor , with 64 GB Ram, 1 TB HDD ,22inch monitor, Graphics card for Metabolomics software .
Description	Specification
HJ. ESSENTIAL PRE-REQUISITE :	<ol style="list-style-type: none"> 1. Imported Nitrogen Generator with compressor to supply the required flow at required pressure. 2. Branded 15 KVA UPS with Isolation transformer with 1 Hour battery backup with warranty certificate for the battery. 3. Suitable LaserJet printer. 4. Required Solvent & standards for Initial Installation, demonstration.
IJ. Warranty:	Standard Two years' comprehensive warranty to be offered along with the system.
JJ Manpower :	Technically Qualified Trained Manpower for running the instrument for Two years to be offered along with the system.
KJ. Additional Notes :	<ul style="list-style-type: none"> • All the specification to be supported by online literatures and valid data • Suitable supporting online literatures and back up data to be supported along with the Tender. • The price should be offered up to NIPER Hajipur with delivery & clearance. • The committee may seek require additional clarification as an

	when required.
Additional/Optional Items [To be offered separately with individual Price break up.]	
i) Nano LC Source :	<ul style="list-style-type: none"> • Should offer exceptionally stable spray. • Integrated union: should offer Zero dead volume column to emitter connection • Should delivers narrower peaks and maximized peak capacity, leading to improved sequence coverage. • Should offer tool free fitting : Easy to use, finger tight fitting to 1000 bar • Column with integrated temperature control : • In-Source column options: Suitable integrated column option to be offered.
ii). 2D Nano Liquid Chromatograph (nLC)- 1 No for Proteomics Application	<ul style="list-style-type: none"> • Split less Nano LC. • Must have direct pumping system with Nano flow capability without flow splitting • System must be compatible with all mobile phase and from acidic to basic pH. • Flow rate range must be from 50 nL/min to 2000nl/min without flow splitting or better • Ternary Micro Pump : Micro pump (low pressure gradient) Flow rate range: 0–2000 µL/min or better • Backpressure (9,000 psi) or better Number of solvent channels 3 Delay volume 220 µL or better. • Standard metered and rapid injection modes should be available. • Must have sample pickup Injection reproducibility of < 0.2% RSD or better • Auto sampler: with 20 µL injection loops or higher, At least one 96 well plate capacity. 6 x 8 vials plus 6 extra standard vials capacity. Peltier type temperature-maintained sample compartment.
Description	Specification
	<ul style="list-style-type: none"> • Minimum 5 °C or maximum 20 °C below room temperature. Integral 6-port bio-compatible injection valve. Carryover must be <0.05%. Three solvents must be available for repeated custom wash cycles for thorough cleaning of injection needle.
iii). Nano LC Columns:	<ul style="list-style-type: none"> • Nano LC Column- Qty 5 • Nano Trap LC Column- Qty 5.
iv). Suitable Software/Database Advance option:	<p>→ Proteomics Data Base :</p> <ul style="list-style-type: none"> • SEQUEST, Mascot, for label free and labeled quantitation. data mining analysis proteomics workflows, from protein and peptide identification to PTM analysis to isobaric mass tagging, and SILAC and label-free quantitation etc. for proteomics application. <p>→ Metabolomics /Small /Pharmaceutical molecules Advanced Data Base :</p> <ul style="list-style-type: none"> • Suitable data base for Metabolomics with multiple Integrated commercial databases database for small molecules and metabolomics. • Spectral library searches with online Cloud library • Advanced Mass Spectral library and local search spectral libraries. • Online integration with available chemical database searches. • Easy integration with third party free soft wares • Free Upgradation within the warranty period • Elemental composition determination using HRAM MS data, including fine isotope and MS/MS fragmentation data. • Automated annotation of spectra with predicted fragments

	<ul style="list-style-type: none"> • A separate Xeon processor base high-speed system with 64 GB Ram, 1 TB HDD, 22 inch monitor for proteomics database processing.
v). Warranty:	<ul style="list-style-type: none"> • Additional warranty to be offered separately with each year breakup with Price validity for five additional years of warranty.
vi).AMC	<ul style="list-style-type: none"> • Annual maintenance cost for three years after warranty period with each year break up to be offered along with the tender.
vii).Additional Manpower Cost:	<ul style="list-style-type: none"> • Cost of the manpower with each year breakup to be offered separately along with the optional items for five years.

Self-Declaration to be given by the bidder

Bid's Reference No. & Date:

Bidder's Name & Address:

Person to be contacted:

Telephone No.:

Fax No.:

Email:

We, the undersigned Bidder, having carefully read and examined in detail the Terms and Conditions, specifications and all bidding document in regard to the supply of the Equipment/instruments at NIPER-Hajipur and accept the same.

We also do hereby declare

1. That we have not been blacklisted /debarred by any Government/Undertaking.
2. That the rates quoted are not higher than the rates quoted for same item to any Government/ Undertaking.
3. That the bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

For and on behalf of the firm
(Firms Name & Address)

(Signature of Authorized Signatory)

Name:
Designation:
Phone No.:
Seal:

Date:
Place:

TENDER FORMAT FOR INDIGENOUS SUPPLIERS (For Price Bid only)
For optional Items the price should be mentioned separately

Sl No	Description of Item & Model	Quantity	Unit Price	GST %	Total Price

Delivery Mode:

Total Bid price should be inclusive of GST. NIPER-Hajipur for the above quoted item -

Delivery Period:

Packaging & Freight etc. extra;

Validity Date: Minimum 90 days from the date of opening of tender.

Any other terms and conditions:

Signature with date & stamp.

Name :

Business Address :

Email :

Contact No. :

FORMAT OF COMPLIANCE STATEMENT

Para of Tender Enquiry Specification	Specification of Equipment Offered	Compliance to Tender specification whether yes or no (if yes indicate the page no and put a flag also highlight the matching specification)	In case of non-compliance deviation from Tender specification to be indicated in unambiguous term.
1	2	3	4

The compliance statement along with the page no. indication (i.e. required spec and availability of the page in the entire tender documents by flagging or giving page no.) must be submitted with the bid for evaluation. Firm not submitting the model/spec and their details availability in the bid documents by flagging/page no. may not be considered for evaluation.

Signature with date and stamp
 Name
 Business Address
 Email
 Contact No.

FORMAT FOR TECHNICAL BID

Sl No.	Descriptions	Information to be filled by the tenderer (if required separate sheet may be enclosed)
1	Name and address of Firm/Agency with complete contact details	
2	Type of Organization (whether proprietorship, partnership, private limited, limited company)	
3	Name and address of the Directors, Proprietor/partners	
4	Details of registration	R No. Copy enclosed : Y/N
5	Income Tax return for the last three financial years (attach copies)	Copy enclosed : Y/N
6	Details of Updated Sales Tax Clearance (in case of foreign supplier) (attach copies)	Copy enclosed : Y/N
7	Total turnover of the Company during last three financial year (attach copies)	Copy enclosed : Y/N
8	Details of PAN/TAN Numbers	Copy enclosed : Y/N
9	Standard Technical literature (attach copies)	Copy enclosed : Y/N
10	Dealership Certificate on the offered products from OEM in case of dealer/s	Copy enclosed : Y/N
11	Details of Tender Document Fee	DD No. and Date
12	Details of Earnest Money	DD No. and Date
13	Any other information	

Copies of relevant documents are to be enclosed in support of above information.

List of major clients, including Govt. Organizations/Academic Institutions (Credentials)

Sl No	Name of client with contact details	Category/Nature of Equipments supplied	Period for which supplied	Satisfactory report to be submitted
				Copy enclosed : Y/N
				Copy enclosed : Y/N
				Copy enclosed : Y/N
				Copy enclosed : Y/N

Undertaking

I hereby declare that the information furnished above is true to the best of my knowledge and belief. I have no objection in verification of any or all the information furnished in this document by the institute.

Signature of the authorized signatory of the Company

Place:

Official Seal/Stamp

Date:

CONTRACT FORM

(To be filled by the successful bidder only)

THIS AGREEMENT is made on the ----- day of ----- ,20----- between the Registrar, National Institute of Pharmaceutical Education & Research (NIPER) - Hajipur (hereinafter called “the Purchaser”) of the one part and ----- (Name of Supplier) of ----- (city and country of Supplier) (hereinafter called “the Supplier”) of the other part:

WHEREAS the Purchaser is desirous that certain equipment/instrument and after sales services viz, -----
----- (Brief Description of equipment/instrument and after sales services) and has accepted a bid by the Supplier for the supply of those equipment/instrument and after sales services for the sum of -----
-- (Contract Price in Words and Figures) (hereinafter called ‘the Contract Price’).

NOW THIS AGREEMENT WITNESS AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. In consideration of the payments to be made by the NIPER-Hajipur to the supplier as hereinafter mentioned, the Supplier hereby covenants with the NIPER-Hajipur to provide the equipment/instrument and after sales services and to remedy defects therein in conformity with the provisions of the Contract in all respects.
3. The NIPER-Hajipur hereby covenants to pay the Supplier in consideration of the supply of the equipment/instrument and after sales services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the equipment and after sales services which shall be supplied/provided by the Supplier are as under:

SL. NO	BRIEF DESCRIPTION OF EQUIPMENT/INSTRUMENT AND AFTER SALES SERVICES	QUANTITY TO BE SUPPLIED	UNIT PRICE	TOTAL PRICE	DELIVERY TERMS

SCHEDULE

Last Date for Submission of Tender Documents 13.02.2021 till 05:00 PM

NIPER, Hajipur