



Guru Gobind Singh Indraprastha University

("A State University established by Govt. of NCT of Delhi")

Sector 16-C, Dwarka, New Delhi-110 078

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Website: www.ipu.ac.in



Dated:02.01.2025

TENDER No.11/PUR/GGSIPU/2024-25

E-TENDER (NIT)

Registrar, Guru Gobind Singh Indraprastha University invites e-tender from multiple authorised supplier/Distributors/ multiple OEM in two bid systems (Technical & Financial) for the **Supply and Installation of Fourier Transform Infrared Spectrometer (FTIR), Dynamic Light Scattering Instrument for Measurement Of Size and Zeta Potential of Nanoparticle, High-Performance Liquid Chromatography (HPLC) and High-Purity Ultra-Pure Water Unit at USCT, Guru Gobind Singh Indraprastha University, Sector-16C, Dwarka, Delhi-110078.** Tender document can also be downloaded from Delhi Govt. e-procurement website i.e. www.govtprocurement.delhi.gov.in. The details of Tender document can also be viewed from University Website <http://www.ipu.ac.in>.

1.	Name of work	Supply and Installation of Fourier Transform Infrared Spectrometer (FTIR), Dynamic Light Scattering Instrument for Measurement Of Size and Zeta Potential of Nanoparticle, High-Performance Liquid Chromatography (HPLC) and High-Purity Ultra-Pure Water Unit at USCT, Guru Gobind Singh Indraprastha University, Sector-16C, Dwarka, Delhi-110078.
2.	The last date and time of uploading technical and financial bid on e-procurement website.	22.01.2025 Upto 01.00 p.m.
2.	Pre-bid meeting Date & Time	08.01.2025 at 11:00 a.m.
3.	Date and time for opening of Technical bid	22.01.2025 at 02.30 p.m.
4.	Estimated Cost of Material	Rs. 1,40,00,000/- (inclusive of GST)
5.	The bids shall be submitted in two stages viz.(i) <i>Technical bid</i> (ii) <i>Financial bid</i> . Detailed specification of the item(s) to be supplied is placed at Section-III Annexure-G. The Technical & Financial bid should be uploaded on e-procurement website i.e. www.govtprocurement.delhi.gov.in (No documents need to be submitted in hard copy).	
6.	Financial bid shall be opened after evaluation of technical bid and the date & time will be notified, thereafter on e-tender website www.govtprocurement.delhi.gov.in	

(REGISTRAR)



GURU GOBIND SINGH
INDRAPRASTHA
UNIVERSITY

TENDER DOCUMENT

FOR

Supply and Installation of Lab Equipment i.e. Fourier Transform Infrared Spectrometer (FTIR), Dynamic Light Scattering Instrument for Measurement of Size and Zeta Potential of Nanoparticle, High-Performance Liquid Chromatography (HPLC) and High-Purity Ultra-Pure Water Unit

AT

**Guru Gobind Singh Indraprastha University
[A state University under Govt. of NCT of Delhi]
Sector-16C, Dwarka, Delhi-110078.**

*Dy. Registrar (Purchase)
Room No. L 010, Ground Floor, Library Block,
GGSIPU, Sector 16C, Dwarka, New Delhi 110078
Contact Nos.011 25302149-150
Email: purchasebranch@ipu.ac.in*

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NOTICE INVITING TENDER

Registrar, Guru Gobind Singh Indraprastha University (GGSIPU) invites e-tender (in two bid system – Part I & II) from multiple authorised supplier/Distributors/ multiple OEM in two bid systems (Technical & Financial for the following on Supply & installation basis:

1. **Particulars of Items:** Details of the items with specification is mentioned at **Annexure-G**
2. **Completion period:** Supply and installation **within 30 days** from the date of issue of award of the tender/issue of Purchase Order, whichever is later.
3. **Availability of Tender Document:** Tender Documents with detail terms & conditions can be downloaded from Delhi govt. e-procurement website.
4. **Qualification of the Tenderer:** The bidder must upload the documents on e-procurement website as per the **tender clause 13**.
5. **Validity Period of Offer:** The rates offered in Part II (Financial bid) should be valid for one hundred and eighty (180) days from the date of opening of Part I (Technical bid) of the Tender.
6. **Receipt and opening of Tenders:** The Technical Bid will be opened on the same day at **02.30 pm**.
7. GGSIPU reserve the right to accept or reject any or all the tenders wholly or partially without assigning any reason thereof.

SECTION-I

INSTRUCTIONS TO BIDDERS

- 8.0 Scope & Work**
The work consists of:
- 8.1 Supply and Installation of **Fourier Transform Infrared Spectrometer (FTIR), Dynamic Light Scattering Instrument for Measurement of Size and Zeta Potential of Nanoparticle, High-Performance Liquid Chromatography (HPLC) and High-Purity Ultra-Pure Water Unit at USCT, Guru Gobind Singh Indraprastha University, Sector-16C, Dwarka, Delhi-110078** as per specification in **Section-III (Annexure-G)**.
- 8.2 **Comprehensive on-site warranty for a period of 36 months from the last date of completion/ installation for all the items supplied as certified by the University.**
- 9.0 Definitions:**
- 9.1 **GGSIPIU** means Guru Gobind Singh Indraprastha University, Delhi
- 9.2 **University** means Guru Gobind Singh Indraprastha University, Delhi
- 9.3 **Employer** means the Registrar, GGSIPIU and his successor
- 9.4 **Bidder** means Manufacturer, OEM and authorized supplier of OEM Manufacturer/Vendor/Firm. The tenderer must enclose adequate documents to provide their authorization claim.
- 9.5 **“Year”** means “Financial year” unless stated otherwise.
- 10.0 Who can apply:**
- 10.1 If the bidder is a proprietary firm, the application shall be signed by the proprietor with his full typewritten name and the full name of his firm with its current address, Contact details etc.
- 10.2 If the bidder is a firm in partnership, the application shall be signed by all partners of the firm with their full typewritten names and current addresses, or alternatively, by a partner holding power of attorney for the firm. In the latter case a certified copy of the power of attorney should accompany the application. In both cases, a certified copy of partnership deed and current address of all the partners of the firm should accompany the application.
- 10.3 If the bidder is a limited company or a corporation, the application shall be signed by a duly authorized person holding power of attorney for signing the application accompanied by a certified copy of the power of attorney. The bidder should also furnish a certified copy of the Memorandum and Articles of Association duly attested by a Public Notary.
- 10.4 **Joint Venture/ Consortiums are not accepted.**
- 11.0 Sealing and Marking of Bids**
- 11.1 Technical bid must be submitted on e-procurement website of each item and the respective Bid-Securing Declaration form for EMD as per **Annexure-I**.
- 12.0 Bid Submission:**
- 12.1 The document comprise of the technical bids alongwith Bid-Securing Declaration Form should be uploaded on e-procurement website i.e. www.govtprocurement.delhi.gov.in **only (Not to be submitted in hard copy)**
- 12.2 Technical bid must be uploaded on e-procurement website and EMD (with validity of 180 days i.e. bid validity period +45 days) in FDR/DD/online only should be submitted in the office.
- 12.3 (i) The bidder shall submit **“Earnest Money Deposit”** alongwith covering letter in original (No other documents need to be submit in hard copy) in an envelope addressed to Dy. Registrar (Purchase), Guru Gobind Singh Indraprastha University, Sector 16-C, Dwarka, New Delhi-110078 only in case of EMD is in shape of FDR/ DD.
- (ii) EMD can also be deposited in online mode in University Bank Account as per details below:-

RTGS/ECS Details		
1.	Accounts Holder Name	Registrar, Guru Gobind Singh Indraprastha University
2.	Account No.	927860555
3.	IFSC Code	IDIB000G082
4.	Bank Name	Indian Bank
5.	MICR Code	110019071
6.	Account type	SB (Saving)
7.	CBS Code/ Branch Code	02029
8.	Branch Name & Address	GGSIPIU, Sector-16C, Dwarka, New Delhi -110078
9.	Banker's Phone No.	011-28035244

(iii) **EMD EXEMPTION:** The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category of equipments with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

- 12.4 The envelope containing EMD shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared late or is declared non-responsive.
- 12.5 In case of submission of EMD Online (RTGS/ NEFT), there is no requirement of physical submission. A Declaration should be submitted with details of RTGS/ NEFT.
- 12.6 A **pre-bid meeting** shall be held on **08.01.2025 at 11:00 AM** in the Purchase Branch, GGSIPU University with the interested and prospective bidders to resolve their queries and issues clarification (if any).
- 12.7 The **“Financial Bid”** shall comprise of the price bids uploaded on e-tender website i.e. www.govtprocurement.delhi.gov.in
- 12.8 Each page of the Technical Bid, Tender Document must be signed by the authorized signatory of the bidder.
- 12.9 Conditions other than those laid down in the Tender document will not be entertained.

13.0 Eligibility Criteria for Technical Bid

The formats/Annexure for the documents to be submitted, with Technical bids are placed at **(Annexure– A, A1, A2 to Annexure J):**

13.1	Letter of Transmittal	Annexure – A
	Declaration by Bidder	Annexure – A1
	Compliance to Bid Requirement	Annexure – A2
	A declaration by the bidder that the item for which we have quoted our price in the Financial Bid would not be an item used so far for demo/any other purposes and will be unused (brand new).	Annexure – A3
	Organizational Structure: - Legal status of the company/ organization with legal proof along with certified copies.	Annexure - B
13.2	Income Tax Registration (PAN No.),	Attach certified copies
	GST Registration Number	
13.3	Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.	Attach certified copies
13.4	Average financial turnover of Rs.70,00,000/- for the equipment(s) during the immediate last three consecutive financial years, duly audited, signed & stamped by a Chartered Accountant. The bidder should not have incurred losses in more than two years in the last 3 consecutive financial years along with copies of audited profit and loss account of last three years.	Annexure C
13.5	Firm should have executed at least one of the following in the last three years: One single order of similar work having value of Rs.1,12,00,000/- (i.e. 80% of estimated value)	Annexure D

	<p style="text-align: center;">OR</p> <p>Two similar work having value of Rs. 84,00,000/- (i.e. 60% of estimated value).</p> <p style="text-align: center;">OR</p> <p>Three similar work having value of Rs.56,00,000/- each (i.e. 40% of estimated value).</p> <p>Explanation: Same and Similar nature of equipment means the work of supply and installation of similar or equivalent equipments mentioned at Annexure-G in public sector undertaking, Govt. department, Educational Institutions, Research Institutional or in reputed private sector. This should be certified by an authorized officer of the client organization on its letter-head.</p>	
13.6	That the bidder/ organization has not been debarred or blacklisted by any of the Central/State Government/Departments /Organizations/Central or State PSU in last 3 years. In case the debarment or blacklisted has been revoked by the department or court then it shall not be considered as blacklisting or debarment. A declaration of fair business practice by the Bidder.	Annexure – E
13.7	An Undertaking (duly filled/ tick mark wherever applicable) is required to be submitted by the prospective bidders in the prescribed format as per Rule 144 (xi) of GFR 2017 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.	Annexure – J
13.8	The intending bidder must submit compliance report of each item of the bid. The bidder shall provide List of parts with rates.	Attach compliance report
13.9	The Manufacturer/firm/vendor should have a authorized service centre in India only.	Attach copy of proof
13.10	The bidder shall upload the printed brochure / catalogue of the offered equipment on official website.	Attach copy of proof
13.11	Authorization letter of the OEM Upload Manufacturer authorization: Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.	Attach copy of proof
13.12	Comprehensive on-site warranty for a period of 36 months from the last date of completion/ installation for all the items supplied as certified by the University.	Certificate to be given
13.14	The proprietor/partners of the agency do not have any relative employee in the University.	Certificate to be given
13.15	The intending bidder must attach Income Tax return for the last three years with the bid document or Gross Annual Income Certificate for the last three years duly certified by the Chartered Accountant.	Attach copy of proof
13.16	Supplier needs to demonstrate the quoted instrument within NCR preferably at the University and show each point mentioned in the technical specification. The quality of the equipments will be evaluated by the Technical Committee based on the physical demonstration by the bidder during the technical bid evaluation.	Attach copy of Acceptance
13.18	The official link of website of OEM/ manufacturer is also required to be mentioned on the letter head of the bidder for the equipments quoted by the bidder.	Certificate to be given
13.19	An Undertaking in the following format may be submitted by the perspective bidders in the Technical Bid: 1. The AMC cost of the offered product is _____ per year which will commence after the expiry period of required 03 years onsite Comprehensive Warranty. 2. The offered AMC cost will remain the same every year (as commitment plan) for the total period of 05 years after the expiry period of required 03 years onsite Warranty failing which the PG of the successful Vendor shall be liable to be forfeited including other actions as per tender conditions.	Undertaking to be attached

13.20	MII Purchase Preference Purchase preference to MII sellers available upto price within L1+ X% - 20% Maximum Percentage of Bid quantity for MII Purchase preference - 50%	Yes
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All the documents should be self attested by the bidder. University reserves the right to independently verify the documents submitted by the bidder form issuing authority.

14.0 Opening of Technical Bids & Evaluation:-

- 14.1 The details submitted by the bidders will be evaluated in the following manner:
- 14.2 The “initial eligibility criteria” prescribed in para **13.1 to 13.20 above** in respect of experience in similar class of works completed, financial turnover, profitability and valid registrations will first be scrutinized. The Bidder may be given a maximum of 7 days-time to submit the missing document/s, if any, as mentioned in para **13.1 to 13.19 above**.
- 14.3 Examination of the specification of all the items will be done by specialized specification evaluation committee.
- 14.4 Even though any bidder may satisfy the above requirements, he/she would be liable to disqualification if he/she has:-
- 14.5 Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.
- 14.6 Record of poor performance such as abandoning work, not properly completing the contract, or financial failures/weaknesses etc.

15.0 Opening of Financial bid and evaluation:

After the Technical evaluation of the bids, the University will open the ‘Financial Bids’ of all the bidders who have qualified in the Technical Eligibility Criteria as per Clause 13, at notified time, date and place, if any. **The lowest financial bidder item-wise shall only be considered for award of work.**

16.0 Earnest Money Deposit:

- 16.1 The Earnest Money Deposit (EMD) along with covering letter must be submitted in hard copy as per date and time mentioned above at **point No.12.3 to 12.5 and as per annexure-G.**
- 16.2 Tenders with no earnest money deposit will summarily be rejected. In case of successful bidder of the financial bids, the earnest money will be returned after obtaining the required **5% Performance Security** in the form of FDR/BG (**FDR/BG should be valid for a period of 38 months**) from the date of installation.
- 16.3 In the case of unsuccessful bidders, the Earnest Money Deposit will be refunded without any interest.
- 16.4 Those firms/ suppliers which are registered with MSME /MSE for the items mentioned in the tender document, are exempted for submission of EMD only and are required to submit a copy of valid registration certificate in place of EMD as per GFR 170(i) and clause 12 (iii) of the tender document.

17.0 Financial Bid:

The bidder shall quote unit item rates in INR only. No alterations in the form of tender, in the schedule of quantities or additions (Financial Bid) etc. shall be permitted. In case of difference between the rates of items written in figures and in words, the rates of items written in words shall be taken as correct. The rates quoted in schedule of quantity (Financial Bid) are for finished and completed items and no extra amount for cartage or transporting material, labour etc. shall be paid. The rates should be inclusive of all loads and lifts for all materials for the completed items and also include all taxes, insurance, royalties etc. as applicable. Indian Supplier has to quote the all inclusive of rate product i.e. freight, insurance, packing, handling, assembling, installation, commissioning upto the University or as given in the work order.

18.0 General:

- 18.1 All information called for in the enclosed forms should be furnished against the relevant places in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against at the relevant place. Even if no information is to be provided in a column, a “Nil” or “No Such Case” entry should be made in that column. If any particular/query is not applicable in case of the

bidder, it should be stated as “not applicable”. The bidders are cautioned that incomplete information called for in the tender document or deliberate suppression of any information may result in the bid being summarily disqualified. Bids received after the expiry of the stipulated date and time mentioned in the tender document will not be entertained.

- 18.2 Overwriting should be avoided. Correction, if any, should be made by neatly crossing out, initialing with date and rewriting. Pages of the eligibility criteria document are to be numbered. Additional sheets, if any added by the bidder, should also be numbered. Bid should be submitted as a package with signed letter of transmittal.
- 18.3 References, information and certificates from the respective clients certifying suitability, technical knowledge or capability of the bidder should be signed by officer of the client organization with name & designation.
- 18.4 The bidder may furnish any additional information which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. He is, however, advised not to furnish superfluous information. No information shall be entertained after submission of tender document unless it is called for by the University.
- 18.5 Any information furnished by the bidder found to be incorrect either immediately or at a later date, would render him liable to be debarred from tendering/taking up of any work in GGSIPU **which may also result in forfeiture of performance security.**
- 18.6 The successful bidder shall have to work in co-ordination and co-operation with any other agencies appointed by the University to work simultaneously in the same or adjoining area. The decision of the University in case of any dispute between the different agencies appointed by the University shall be final and binding.
- 18.7 Income tax, Works Contract Tax and any other tax at the rates in force during the progress of contract / **award of work** that will be in force from time to time shall be recovered / deducted from the released payment amount.
- 18.8 GST or any other tax on material applicable on the date of submission of bid in respect of this contract shall be payable by the bidder and University will not entertain any claim whatsoever in respect of the same.
- 18.9 The bidder shall have to make his own arrangement at no extra cost to the University for water Supply & Installation, sanitation and electric Supply & Installation etc. at the site of work.
- 18.10 On acceptance of the tender, the name of the accredited representative(s) of the bidder who would be responsible for taking instructions from the University shall be communicated in writing to the Registrar.
- 18.11 If the bidder shall obtain a contract with GGSIPU as a result of wrong tendering or other non-bonafide methods of competitive tendering, the University reserves the right to terminate the contract without any liability to the bidder, which may also result to forfeiture of performance security.
- 18.12 Without prejudice to any of the rights or remedies under this contract if the bidder dies, the University shall have the option of terminating the contract without compensation to the legal heir of the bidder.
- 18.13 Escalation: Increase in rates of material / Labour shall not be payable on any account. Price quoted shall be firm and no escalation will be allowed on any account.
- 18.14 A bidder's bid security will be forfeited if the bidder: i) withdraws or amends its/ his tender; ii) impairs or derogates from the tender in any respect within the period of validity of the tender; iii) If the bidder does not accept the correction of his bid price during evaluation; and iv) If the successful bidder fails to sign the contract or furnish the required performance security within the specified period.

20.0 Scope of Works

The Scope of work shall consist, Design, supply, installation, commissioning, testing and training of Pneumatic / Electro-Pneumatic/ Analysis and control of Pneumatic as per the specified pressure & flow rate and placing in position at site, complete in all respects, and its maintenance during warranty period for items mentioned as per specification given under **Section III** and demonstration & training to the concerned staff/faculty.

20.1 Specification for Work and Quality

The procurement of various materials shall be either from the manufacturers or their main authorized dealers to ensure that no duplicate/spurious makes are used in the works. The entire work shall be warranted for a period of **period of 36 months** against defective material with liability of replacement or to the satisfaction of the University.

20.2 Safety and Security

Safety and Security of workers/staff, material, equipments, etc. will be the responsibility of the bidder. The university will not be held responsible on this account

20.3 The University reserves the right, without being liable for any damages or obligation to inform the bidder, to:

- (a) Amend the scope and value of contract to the bidder.
- (b) Reject any or all the applications without assigning any reason.

20.4 Any effort on the part of the bidder or his agent to exercise influence or to pressurize the University would result in rejection of his bid. Canvassing to any kind is prohibited.

20.5 The necessary demonstration & training to the concerned staff/faculty and technical support will be provided for the period of maximum 1 week by the company.

20.6 All the necessary manuals, documentations (2 Sets) will be provided in hard and soft form by the supplier only.

20.7 The commissioning and complete installation of all the equipment/machinery, including civil work, electrical work, pneumatic power supply etc. as per the setup finalized by the committee will be done by the supplier only.

20.8 **Default in After Sales Services:** In the event of any default and/or unsatisfactory after sales service by the supplier/tenderer/vendor/firm, the competent authority of the institute will be at liberty to repair during warranty/get the item repaired/serviced from other source/party at the cost of vendor. All the cost has to be paid by the vendor / supplier of instrument.

20.9 In case of software items, the suppliers should ensure that:

- a) Legal software is supplied in original sealed pouches/pkt.
- b) A license agreement is enclosed with it
- c) A registration card is available in software.

20.10 The bidder who will qualify the technical evaluation shall give demonstration of the equipments to the technical members of the committee. Price bids of only those bidders will be considered whose demonstration will be found satisfactory by the technical members of the committee.

21.0 Final decision making authority

The University reserves the right to accept or reject any bid and to annul the process and reject all bids at any time, without assigning any reason or incurring any liability to the bidders. No claim whatsoever will be entertained / paid by the university to the bidder (s).

22.0 Summary Rejection of tender:

22.1 The tenders not submitted the form for Bid-Securing Declaration for EMD (Annexure-I) shall be summarily rejected. Similarly, if the bidder proposes any alternation in or additions to the prescribed form of tender or decline to carry out any work of the tender document; or any conditions mentioned, etc., his tender is liable to be rejected.

23.0 Particular provisions

23.1 The University reserves the right to execute the work or reject the tender without assigning any reason or incurring any liability to the bidder.

23.2 The University has the power to make alteration in, omission from, addition of or substitution for the original specifications, drawings, designs.

24.0 Amendment of tender document:

24.1 Before the deadline for submission of tender, the University may modify the tender document by issuing addenda.

24.2 Any addendum thus issued shall be a part of the tender document and shall be uploaded on the e-procurement website (www.govtprocurement.delhi.gov.in). Prospective bidders must visit the website before filling and submission of Tender Document for such information.

25.0 Validity of Tender:

One Eighty days from the date of opening of **Technical Bid** of the tender. During this period no bidder shall be allowed to modify/ withdraw his tender.

26.0 Performance Guarantee:

26.1 The successful bidder shall be required to furnish a **Performance Guarantee of 5%** after successfully installation of the product at site. Performance Security should remain valid for a period of 60 days beyond contractual obligations of the supplier including warranty obligations i.e. 36 months onsite warranty. The Performance Guarantee shall be accepted in the following form and shall be in favour of "Registrar, GGSIPU", payable at Delhi with a validity of months as under:-

- i. Fixed deposit receipt (FDR) of a nationalized bank
- ii. Bank Guarantee (As per Annexure-H)

26.2 Performance Guarantee will be refunded after completion of the warranty period i.e. 36 months comprehensive onsite warranty + 02 months beyond contractual obligations of the supplier including warranty obligations.

26.3 In case of non submission of Performance Guarantee within specified time the University may consider to black list/de-bar the bidder.

26.4 In case a fixed deposit receipt/ Bank Guarantee of any bank is furnished by the bidder to the University as part of the Performance Guarantee and the Bank is unable to make payment against the said instrument. The loss caused thereby shall fall on the supplier and the supplier shall forthwith on demand furnish additional security to the University to make good the deficit.

27.0 Warranty

The bidder shall provide **Comprehensive on-site warranty for a period of 36 months** for all items from the last date of completion/ installation as certificate issued by the University and shall be responsible for any defects that develop in the item. They shall also replace any defective part of the product supplied and other accessories, without any exception and recourse, free of cost.

The bidder is responsible for all packing, unpacking, assembly, installation of units. The bidder will test the products and accomplish the adjustments necessary for successful and continuous operation of the products supplied at all installation sites and shall ensure maintenance of the supplied products during the warranty period. All the repairing / replacing of defects shall be done by the bidder totally free of cost.

28.0 Duration

The items covered under this tender are required to be delivered and installed at **USCT, Guru Gobind Singh Indraprastha University, Sector-16C, Dwarka, New Delhi-110078 within 45 days.**

29.0 Payment Terms

29.1 The payment will be released after satisfactory complete installation, demonstration, commissioning, training and receipt of performance guarantee of the product.

29.2 Each invoice should be submitted in duplicate clearly specifying contact no, goods description, quantity, unit price, total amount, bank details along with warranty certificate, etc.

29.3 No advance payment will be made under any circumstances.

30.0 Delay and Non Conformance

30.1 If the bidder fails to Install the Equipment with in the period specified in the Purchase Order, University shall without prejudice to its other remedies under the Purchase Order, deduct from the contract price, as liquidated damages, a sum equivalent to 1% (one percent) of the contract price of the delayed goods weekly or part thereof of delay until actual delivery. The penalties will be maximum of 10% of the contract amount / awarded value.

30.2 In case of extraordinary delay or beyond 90 days of stipulated delivery period, University reserves the right to terminate the contract, without any liability to cancellation charges, forfeit/en-cash the submitted Performance Guarantee and blacklist/debarred the defaulting firm.

31.0 Services during warranty period

- 31.1 After having been notified of the defects/ service requirement during warranty period, Seller has to complete the required Service / Rectification within **05 days time limit**.
- 31.2 If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security.
- 31.3 Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of Performance Security. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

32. Terms and Conditions for AMC

- i. Bidder / OEM has to give an undertaking as per Clause 13.19 of the Eligibility Criteria for Technical Bid.
- ii. Buyer reserves the right to enter into an AMC agreement (covering preventive maintenance and servicing) with the Successful Bidder / OEM after expiry of the Warranty period.
- iii. To carry all the works/service to run the laboratory equipments efficiently.
- iv. The technical person of the contractor shall visit the laboratory as per the above schedule and on call of laboratory incharge to carry the maintenance work. The technical person should reach the laboratory within 24 hrs of call/intimation of Laboratory incharge/ officer.
- v. After inspection and checking of the above equipments, all the necessary setting repair and maintenance work has to be performed and job card shall be maintained.
- vi. Prepare list of spare parts required to be replaced in the above equipments and submit to Laboratory in-charge for taking approval for purchase.
- vii. Performance Security of the successful bidder shall be forfeited if it fails to accept the AMC contract when called upon by the buyer.
- viii. If any damages caused to equipment during attending repair & maintenance work, the cost of the same will be assessed by the bidder.

33.0 Packing and Marking

- 33.1 All packing should be strong enough to withstand rough handling during loading/ unloading and transporting. Fragile articles should be packed with special precaution and should bear the marking like Fragile, handle with care, This side up etc.

34.0 Substitution and Wrong Supplies

Unauthorized substitution or materials delivered in error of wrong description or quality or supplied in excess quantity or rejected goods shall be returned to the bidder at bidder's cost and risk.

35.0 Insurance, Freight and Deliveries

- 35.1 The supplier shall make his own arrangements towards safe and complete delivery including insurance, freight, state level permits etc. as applicable at the designated locations indicated by University in the Purchase Order.
- 35.2 The bidder will keep University informed about changes, if any, in various stages of deliveries, installation.

36.0 Arbitration and Settlement of Disputes:

- 36.1 University and the bidder shall make every effort to resolve amicably by direct information negotiation by difference or dispute arising between them under or in connection with the University order.

- 36.2 If after thirty (30) days from the commencement of such informal negotiations, University and the supplier are unable to resolve amicably the dispute, either party may require that the dispute be referred for resolution to the formal mechanisms as specified hereunder:
- 36.2.1 Any dispute or differences whatsoever arising between the parties out of or relating to the manufacturing, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be settled by arbitration in accordance with the provisions of the Arbitration & Conciliation Act, 1996 and the award made in pursuance thereof shall be binding on the parties. The sole arbitrator shall be appointed by the Vice Chancellor, GGS Indraprastha University.
- 36.2.2 The performance under this contract shall not stop for any reason whatsoever during the said dispute/proceedings, unless the bidder is specifically directed by University to desist from working in this behalf.
- 36.2.3 The venue of arbitration shall be Delhi/ New Delhi. The language of proceedings shall be English. The Law governing the substantive issues between the parties shall be the Laws of India. All disputes are subject to the jurisdiction of the Delhi Courts only
- 36.2.4 It is also a term of that if any fees are payable to the arbitrator, these shall be paid equally by both the parties. It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims.
- 37.0 Force Majeure** For purpose of this Clause, Force Majeure shall mean fires, floods, natural disasters or other acts, that are unanticipated or unforeseeable, and not brought about at the instance of the party claiming to be affected by such event, or which, if anticipated or foreseeable, could not be avoided or provided for, and which has caused the non-performance or delay in performance, such as war, turmoil, strikes, sabotage, explosions, quarantine restriction beyond the control of either party. A party claiming Force Majeure shall exercise reasonable diligence to seek to overcome the Force Majeure event and to mitigate the effects thereof on the performance of its obligations under this Supply Order.

If a Force Majeure situation arises, the supplier shall promptly notify the University in writing of such conditions and the cause thereof. Unless otherwise directed by the University in writing, the Supplier shall continue to perform its obligations under the Purchase Order as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

SECTION II
INFORMATION REGARDING TECHNICAL ELIGIBILITY
(Annexure A to J)

LETTER OF TRANSMITTAL

From:

To

The Registrar
GGS IPU
Sector 16C, Dwarka,
Delhi

Sub: Submission of Tender Document for “**Supply and Installation of Lab Equipments i.e. Fourier Transform Infrared Spectrometer (FTIR), Dynamic Light Scattering Instrument for Measurement Of Size and Zeta Potential of Nanoparticle, High-Performance Liquid Chromatography (HPLC) and High-Purity Ultra-Pure Water Unit**” for USCT, Guru Gobind Singh Indraprastha University, Sector-16C, Dwarka, New Delhi-110078”.

Sir,

Having examined the details given in Tender document for the above work, I/we hereby submit the relevant information:-

1. I/we hereby certify that all the statement made and information supplied in the enclosed annexure / forms accompanying statement are true and correct.
2. I/we have furnished all information and details necessary for eligibility and have no further pertinent information to Supply & Installation.
3. I/we submit the requisite certified solvency certificate and authorize the Registrar, GGSIPU to approach Bank issuing the solvency certificate to confirm the correctness thereof. I/we also authorize the GGSIPU to approach individuals, employers, firms and corporation to verify our competence and general reputation.

Name & Signature(s) of Bidder(s) with seal

DECLARATION BY THE BIDDER

We _____ (Name of the Bidder) hereby represent that we have gone through and understood the Bidding Document (which in two parts) in Part-I (Commercial Section & Technical Section) and Part-II (Schedule of Quantities) and that our Bid has been prepared accordingly in compliance with the requirement stipulated in the said documents.

We are submitting a copy of Bidding Document marked “Original” as part of our Bid duly signed and stamped on each page in token of our acceptance. We undertake that Part-I and Part-II of the Bidding Document shall be deemed to form part of our bid and in the event of award of work to us, the same shall be considered for constitution of Contract Agreement. Further, we shall sign and stamp each page of this Part-I and Part-II as a token of Acceptance and as a part of the Contract in the event of award of Contract to us.

We further confirm that we have indicated prices in Schedule of Quantities and submitted in Price Bid in separately sealed envelope. We confirm that rate quoted by us includes price for all works/activities/supply etc. as mentioned in item description of the items in Schedule of Quantities.

SIGNATURE OF BIDDER : _____
NAME OF BIDDER : _____
COMPANY SEAL : _____

Note : This declaration should be signed by the Bidder’s representative who is signing the Bid.

COMPLIANCE TO BID REQUIREMENT

We hereby agree to fully comply with, abide by and accept without variation, deviation or reservation all technical, commercial and other conditions whatsoever of the Bidding Documents and Addendum to the Bidding Documents, if any, for subject work issued by GGSIPU.

We hereby further confirm that any terms and conditions if mentioned in our bid (Un-priced as well as Priced Part) shall not be recognized and shall be treated as null and void.

SIGNATURE OF BIDDER : _____
NAME OF BIDDER : _____
COMPANY SEAL : _____

DECLARATION BY THE BIDDER

We _____ (Name of the Bidder) hereby declare that the item for which we have quoted our price in the Financial Bid would not be an item used so far for demo/any other purposes and will be unused (brand new).

SIGNATURE OF BIDDER : _____

NAME OF BIDDER : _____

COMPANY SEAL : _____

Note: This declaration should be signed by the Bidder's representative who is signing the Bid.

ORGANISATION STRUCTURE

1. Name & Address of the Bidder :
2. Telephone No./Fax No./ e-mail :
3. Legal status of the Bidder (attach copies of original document defining the legal status)
 - a) An Individual
 - b) A proprietary firm
 - c) A firm in partnership
 - d) A limited company or Corporation
 - e) A Public Sector Undertaking
4. Particulars of registration with various Government Bodies (Attach attested Photo Copy)
Organization /Place of registration Registration No
5. A. PAN No. -----
B. GST No. -----
6. Names and Titles of Directors & Officers with designation to be concerned with this work. :
7. Name & Designation of individuals authorized to act for the organization :
(Pl attach power of attorney in favour of authorized representative duly signed by authorized signatory)
8. Has the Bidder ever required to suspend work for a period of more than six months continuously after you commenced the business? If so, give the name of the project and reasons of suspension of work. :
9. Has the Bidder, or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment. :
10. Has the Bidder, or any constituent partner in case of partnership firm, ever been debarred/ black listed for tendering in any organization at any time? If so, give details. :
11. Has the Bidder, or any constituent partner in case of partnership firm, ever been convicted by a court of law? If so, give details. :
13. Any other information considered necessary but not included above. :

(Stamp, Name & Signature of Bidder)

DETAILS OF ANNUAL TURNOVER

A. FINANCIAL DETAILS

Financial Years	Gross Annual Turnover (In Lakhs)	Profit/Loss (In Lakhs)
2020-2021		
2021-2022		
2022-2023		

B. Audited balance sheet and profit & loss account for above three years to be submitted. Must be attested by the Chartered Accountant.

Signature & stamp by Chartered Accountant

(Stamp, Name & Signature of Bidder)

Annexure – D

DETAILS OF SUPPLY OF ITEMS (AS PER SPECIFICATION GIVEN IN SECTION III BELOW) IN LAST 03 (THREE) YEARS

S. No.	POSTAL ADDRESS OF CLIENT WITH CONTACT NUMBERS	STARTING DATE	SCHEDULED COMPLETION DATE	ACTUAL COMPLETION DATE	REASONS FOR DELAY, IF, ANY

(Stamp, Name & Signature of Bidder)

DECLARATION FOR FAIR BUSINESS BY THE BIDDER

This is to certify that We, M/s _____ in submission of this offer confirm that:-

- i) We have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements;
- ii) We do not have records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.
- iii) Business has not been banned with us by any Central / State Government Department/ Public Sector Undertaking or Enterprise of Central / State Government.
- iv) We have submitted all the supporting documents and furnished the relevant details as per prescribed format.
- v) The information and documents submitted with the tender by us are correct and we are fully responsible for the correctness of the information and documents submitted by us.
- vi) We understood that in case of any statement/information/document furnished by us or to be furnished by us in connection with this offer is found to be incorrect or false, our EMD in full will be forfeited and business dealings will be banned.
- vii) We have not been punished / penalized by way of imprisonment in last three years.
- viii) We have not been blacklisted/ debarred by any of the Government/Public Sector Agency in last three years.

SEAL, SIGNATURE & NAME OF THE BIDDER

Signing this document

**Form of Performance Guarantee
Bank Guarantee Bond**

1. In consideration of the GGSIPU (hereinafter called “The University”) having offered to accept the terms and conditions of the proposed agreement between ----- and ----- (hereinafter called “the said bidder(s)”) for the work ----- (hereinafter called “the said agreement”) having agreed to production of a irrevocable Bank Guarantee for Rs.----- (Rupees ----- only) as a security/guarantee from the bidder (s) for compliance of his obligations in accordance with the terms and condition in the said agreement.

We, ----- (indicate the name of the Bank) ----- (hereinafter referred as “the Bank”) hereby undertake to pay to the University an amount not exceeding Rs.----- (Rupees ----- only) on demand by the University.
2. We, -----(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the University stating that the amount claimed is required to meet the recoveries due or likely to be due from the said bidder (s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.----- (Rupees ----- only).
3. We, the said bank further undertake to pay the University any money so demanded notwithstanding any dispute or disputes raised by the bidder(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.
The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the bidder(s) shall have no claim against us for making such payment.
4. We, -----(indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the University under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Project-in-Charge on behalf of the University certified that the terms and conditions of the said agreement have been fully and properly carried out by the said bidder(s) and accordingly discharges this guarantee.
5. We, -----(indicate the name of the Bank) further agree with the University that the University shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said bidder(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the University against the said bidder(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said bidder(s) or for any forbearance, act of omission on the part of the University or any indulgence by the University to the said bidder(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the bidder(s).
7. We, -----(indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the University in writing.
8. This guarantee shall be valid upto ----- unless extended on demand by the University. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.----- (Rupees ----- only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the ----- day of ----- for ----- (indicate the name of the Bank)

Form 1.2: Eligibility Declarations

(Ref ITB-clause 9.2)

(To be submitted as part of Technical bid)

(On Company Letter-head)

(Along with supporting documents, if any)

Tender Document No. Tend No./ xxx; Tender Title: GOODS

Bidder's Name _____

[Address and Contact Details]

Bidder's Reference No. _____ Date.....

Note: The list below is indicative only. You may attach more documents as required to confirm your eligibility criteria.

Eligibility Declarations

(Please tick appropriate boxes or cross out any declaration not applicable to the Bidder)

We hereby confirm that we are comply with all the stipulation of NIT-clause 3 and ITB-clause 3.2 and declare as under and shall provide evidence of our continued eligibility to the Procuring Entity as may be requested:

- 1) **Legal Entity of Bidder:** _____
- 2) **OEM/ Manufacturer/ Agent/ Dealership Status:** _____
- 3) We are/ are not a JV _____
- 4) We solemnly declare that we (including our affiliates or subsidiaries or constituents):
 - a) are not insolvent, in receivership, bankrupt or being wound up, not have our affairs administered by a court or a judicial officer, not have our business activities suspended and are not the subject of legal proceedings for any of these reasons;
 - b) (including our Contractors/ subcontractors for any part of the contract):
 - (i) Do not stand declared ineligible/ blacklisted/ banned/ debarred by the Procuring Organisation or its Ministry/ Department from participation in its Tender Processes; and/ or
 - (ii) Are not convicted (within three years preceding the last date of bid submission) or stand declared ineligible/ suspended/ blacklisted/ banned/ debarred by appropriate agencies of Government of India from participation in Tender Processes of all of its entities, for offences mentioned in Tender Document in this regard. We have neither changed our name nor created a new "Allied Firm", consequent to the above disqualifications.

- c) Do not have any association (as bidder/ partner/ Director/ employee in any capacity) with such retired public official or near relations of such officials of Procuring Entity, as counter-indicated, in the Tender Document.
 - d) We certify that we fulfil any other additional eligibility condition if prescribed in Tender Document.
 - e) We have no conflict of interest, which substantially affects fair competition. The prices quoted are competitive and without adopting any unfair/ unethical/ anti-competitive means. No attempt has been made or shall be made by us to induce any other bidder to submit or not to submit an offer to restrict competition.
- 5) **Restrictions on procurement from bidders from a country or countries, or a class of countries under Rule 144 (xi) of the General Financial Rules 2017: We certify as under:**
- "We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries, and solemnly certify that we fulfil all requirements in this regard and are eligible to be considered. We certify that:*
- (a) *we are not from such a country or, if from such a country, we are registered with the Competent Authority (copy enclosed). and;*
 - (b) *we shall not subcontract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.*

6) MSME Status:

Having read and understood the Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 (as amended and revised till date), and solemnly declare the following:

- a) We are - Micro/ Small/ Medium Enterprise/ SSI/ Govt. Deptt. / PSU/ Others:.....
- b) We attach herewith, Udhyam Registration Certificate with the Udhyam Registration Number as proof of our being MSE registered on the Udhyam Registration Portal. The certificate is the latest up to the deadline for submission of the bid.
- c) Whether Proprietor/ Partner belongs to SC/ ST or Women category. (Please specify names and percentage of shares held by SC/ ST Partners):.....

7) Start-up Status

we confirm that we are/ are not a Start-up entity as per the definition of the Department of Promotion of Industrial and Internal Trade – DPIIT.

8) Make in India Status:

Having read and understood the Public Procurement (Preference to Make in India PPP - MII) Order, 2017 (as amended and revised till date) and related

notifications from the relevant Nodal Ministry/ Department, and solemnly declare the following:

(a) Self-Certification for the category of suppliers:

(Provide a certificate from statutory auditors/ cost accountant in case of Tenders above Rs 10 Crore for Class-I or Class-II Local Suppliers). Details of local content and location(s) at which value addition is made are as follows:

Local Content and %age	
Location(s) of value addition	

Therefore, we certify that we qualify for the following category of the supplier (tick the appropriate category):

- Class-I Local Supplier/
 Class-II Local Supplier/
 Non-Local Supplier.

(b) We also declare that

- There is no country whose bidders have been notified as ineligible on a reciprocal basis under this order for an offered Goods, or
 We do not belong to any Country whose bidders are notified as ineligible on a reciprocal basis under this order for the offered Goods.

9) Self-Declaration by Indian Agents/ Associates of Foreign Principals

- (a) Self-attested documentary evidence about their identity (PAN, Aadhar Card, GSTIN registration, proof of address, etc.), business details (ownership pattern and documents, type of firm, year of establishment, sister concerns etc.) to establish that they are a bonafide business as per Indian Laws – are submitted as part of Form 1.1 annexed herewith.
- (b) Agency Agreement shall be submitted with Form 1.4. It shall cover
- (i) the precise relationship, services to be rendered, mutual interests in business - generally and/ or specifically for the tender and
 - (ii) any payment the agent or associate receives in India or abroad from the foreign OEM/ principal, whether a commission or a general retainer fee.
- (c) Our Foreign principals, explicitly authorizing us to make an offer in response to the tender, either directly or in association with them, are listed in Form 1.3 and 1.4 annexed herewith. That also indicates their name, address, nationality, status (i.e., whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal).
- (d) The amount of commission/ remuneration included in the price (s) quoted by Bidder for agents or associated bidder is detailed in Form 1.4.
- (e) Confirmation is given in Form 1.4 annexed herewith from the foreign principals that the commission/ remuneration, reserved for Bidder in the quoted price(s), if any, shall be paid by the Procuring Entity in India, in

equivalent Indian Rupees on satisfactory completion of the Project or supplies of Goods and Spares.

10) Penalties for false or misleading declarations:

We hereby confirm that the particulars given above are factually correct and nothing is concealed and undertake to advise any future changes to the above details. We understand that any wrong or misleading self-declaration would violate the Code of Integrity and attract penalties as mentioned in this Tender Document.

.....
(Signature with date)

.....
(Name and designation)

Duly authorized to sign bid for and on behalf of

.....
.....

[name & address of Bidder and seal of company]

DA: As in Sr 9 to 14 above, as applicable

SECTION III**TECHNICAL SPECIFICATIONS**

Sl.No.	SPECIFICATIONS	Quantity	Total Estimated price (inclusive of GST)	EMD (Rs.)@3%
1.	<p><u>FOURIER TRANSFORM INFRARED SPECTROMETER (FTIR)</u></p> <ol style="list-style-type: none"> 1. Spectral range: 7,500 cm^{-1} – 350 cm^{-1} (MIR) or better. DLaTGS/DTGS detector has an almost negligible effect on external temperature change. The system should be upgraded to FIR spectral range with the necessary provisions to fix the required hardware, such as sources, beam splitters, and detectors. The vendor should quote the price for FIR up-gradation as a percentage of the total quote price in the technical document. The vendor should note in case the up-gradation order is placed within 3 years from the date of installation of the instrument; they will have to accept the offer and complete the job at their quoted price. 2. Spectral resolution 0.4 cm^{-1} or better. 3. Beam splitters: KBr Beam splitter for MID IR range. The system should have provisions for attaching separate and compatible beam splitters. The beam splitters should be moisture-resistant and capable of working in high-humidity areas. 4. Optics should be coated with Gold or equivalent. 5. Sealed and desiccated optical unit with provisions for purging facilities. 6. The optical system should also be compatible with all the accessories and detectors. 7. Signal-to-noise ratio: Equal or better than 50000:1 peak to peak (4 cm^{-1} resolution, 1 min measurement time) 8. The system should have an automatic accessory recognition facility to identify and optimize the accessory once it is mounted in the sample compartment. 9. The system/Software should have facilities to minimize the effect of moisture and CO_2 on the sample spectra without the need for reference or calibration spectra. The interferometer should be Sealed and desiccated with a built-in provision to protect it from moisture. The software should also have facilities to export measured data and results into ASCII format so that data can be 	01	Rs. 60,00,000/-	Rs. 1,80,000/-

Sl.No.	SPECIFICATIONS	Quantity	Total Estimated price (inclusive of GST)	EMD (Rs.)@3%
	<p>further processed.</p> <p>10. Spectrometer components like the source, laser, detector, and interferometer must be continuously monitored, and the software must offer detailed information about the nature of any failure and suggest a possible remedy.</p> <p>11. ATR with Monolithic Diamond crystal for direct Powder, Liquids, Polymer, and Films sample analysis without any sample preparations.</p> <p>12. System should be supplied with the latest branded PC (compatible with software) and UPS (3 kVA) for at least 30 min backup. Hydraulic press with Agar pestle and mortar. Liquid cell holder and demountable cell with NaCl windows for viscous/Semi Solid samples, KBr die set, Assorted Rectangular Teflon Spacers, KBr Circular, and rectangular Windows, Universal KBr pellet Holder, KBr (250g) should be supplied with the instrument.</p> <p>13. Sealed cell with NaCl plates for recording transmission spectra for liquids.</p> <p>14. Additional 2 NaCl plates for recording transmission spectra.</p> <p>15. The quoted system should be certified as complete for carrying out the measurement:</p> <ul style="list-style-type: none"> ● FT-IR spectra of a variety of samples such as solids, liquids, gel etc. ● FTIR spectra of organic, inorganic, and organometallic compounds. <p>16. The system should be upgradable to carry out spectral analysis:</p> <ul style="list-style-type: none"> ● NIR range ● Kinetics, catalytic reactions and changes, structural changes of nano material in exposure to any chemical, gas, etc. <p>17. If any accessory or part(s) required to perform all of the above types of experiments are not specified in the tender, the supplier should invariably quote all such accessories or parts.</p> <p>18. High purity nitrogen cylinder with double stage double meter gas regulator with stainless steel diaphragm and pressure gauge to be quoted.</p> <p>19. Warranty: The system must be offered with 10 years warranty for the source, laser, and interferometer. Three years comprehensive warranty for other parts of the instrument.</p> <p>20. Installation and Training to be provided at the installation site. Installation requirements are to be submitted in advance.</p>			

Sl.No.	SPECIFICATIONS	Quantity	Total Estimated price (inclusive of GST)	EMD (Rs.)@3%
	<p>21. Manuals: One set of manuals with all details of parts should be supplied.</p> <p>22. Available Input power: 220V one phase/three Phase, 50Hz</p> <p>23. The supplier needs to demonstrate the quoted instrument at the Institute/NCR and show each point mentioned in the technical specification.</p> <p>24. Integral IST traceable polystyrene and NG-11 glass (reference standard) for calibration and linearity test should be provided with minimum 4 years or more validity.</p> <p>25. Spectra search by single or multi-region and feature for library generation & management. The following Libraries should be quoted with a minimum of 20,000 spectra.</p> <ul style="list-style-type: none"> ● General FTIR standards Library ● Solvents Library 			
2.	<p><u>DYNAMIC LIGHT SCATTERING INSTRUMENT FOR MEASUREMENT OF SIZE AND ZETA POTENTIAL OF NANOPARTICLE</u></p> <p>1. Particle size measurement should be based on the dynamic light scattering principle, and Zeta Potential measurement should be based on the PALS (Phase analysis light scattering) principle only.</p> <p>2. The particle size measurement range should be in between 1.0 nm and 5 µm or better.</p> <p>3. Minimum Sample volume requirement: 50 µL or less.</p> <p>4. Temperature range: 0°C to 90°C; Accuracy: ± 0.1°C</p> <p>5. Measurement Angle: Backscatter and forward scattering.</p> <p>6. The zeta potential range should be ± 350 mV or more</p> <p>7. Size range for zeta potential: 5 nm to 100 microns or better</p> <p>8. Conductivity range: 0 to 150 mS/cm or more</p> <p>9. An internal sample temperature control facility should be available.</p> <p>10. The laser should be with 4 mW power or higher with an auto attenuation feature. preferably a solid-state laser.</p> <p>11. The detector should be a high sensitivity APD detector.</p> <p>12. Correlator: The system should have at least 500 physical channels for the correlator.</p> <p>13. The instrument should be capable of measuring the particle size and zeta potential</p>	01	Rs. 35,00,000/-	Rs 1,05,000/-

Sl.No.	SPECIFICATIONS	Quantity	Total Estimated price (inclusive of GST)	EMD (Rs.)@3%
	<p>of nanoparticles, colloidal dispersions, polymers, surfactants, protein solutions, etc.</p> <p>14. Standard Software should include capability to measure and report size, zeta potential, and their distribution along with Trend Analysis methods. It should use standard algorithms such as NNLS, CONTIN and Cumulant etc.</p> <p>15. The software should have facility to export measured data and result into ASCII format, so that data can be further processed.</p> <p>16. Sample Cells should include glass/quartz cuvettes etc. (one each for aqueous and non-aqueous medium), disposable cuvettes (100 number) for size and disposable cuvettes (100 number) for zeta potential measurement.</p> <p>17. Standards of particle size and zeta potential for the verification of the system should be provided with the system.</p> <p>18. It should have latest branded PC (compatible with software) and UPS (3 kVA) for at least 30 min backup.</p> <p>19. Supplier needs to demonstrate the quoted instrument at the Institute/NCR and show each point mentioned in the technical specification.</p> <p>20. Warranty: Three years comprehensive warranty.</p> <p>System should preferably be upgradeable for</p> <p>1. Measurement of zeta potential of concentration up to 40% w/v.</p> <p>2. Addition of autotitrator to automate the measurement of size & zeta potential as a function of pH, conductivity etc.</p> <p>3. Measurement of molecular mass of colloidal suspensions etc.</p>			
3.	<p><u>HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)</u></p> <p>1. Quaternary solvent delivery pump</p> <ol style="list-style-type: none"> Capable of mixing up to four solvents Flow range: 0 – 10 mL/min. Flow rate accuracy: ± 2% or better. Pressure range: at least 5500 psi for the entire flow rate range or more. Mixing system: Appropriate valve opening/closing time control system A gradient system must be installed, preferably inside the pump. A degasser system for all the solvent flow paths (minimum four) must be installed, preferably inside the pump. <p>2. Photo diode array detector:</p> <ol style="list-style-type: none"> Diode: 512 photodiodes or more. 	01	Rs. 38,00,000/-	Rs. 1,14,000/-

Sl.No.	SPECIFICATIONS	Quantity	Total Estimated price (inclusive of GST)	EMD (Rs.)@3%
	<p>b. Wave length range: 190 to 800 nm or better.</p> <p>c. Noise: $< 1.0 \times 10^{-5}$ AU or better.</p> <p>d. Drift: $< 1.0 \times 10^{-3}$ AU /hr or better</p> <p>e. Leak detection and safe leak handling design must be incorporated into the module housing.</p> <p>f. Light source: Deuterium lamp and Tungsten lamp.</p> <p>g. Wavelength accuracy: ± 1 nm or better</p> <p>h. Diode width and Slit width: Suitable for higher sensitivity.</p> <p>i. Flow cell: Analytical standard, 10 mm path length, 10-15 μL capacity</p> <p>3. Column Oven Temperature control system: Suitable Heating + Air circulation system Temperature range: 10° below Ambient to 80°C or better Temperature accuracy: $\pm 0.2^\circ\text{C}$ or better. It should accommodate a minimum of two columns of 25-30 cm length.</p> <p>4. Auto sampler a. Injection Volume: 0.5 – 100 μL b. Carryover: 0.01% or better c. Sample delivery precision: 0.5% RSD or better d. Tray capacity: 50 Nos (or more) with 1.5 - 2.0 mL capacity. e. Integrated washing facility for needles before and after the injection. To enable reproducible results, the injection timing of the auto sampler must be synchronized with the operation timing of the pump.</p> <p>5. HPLC Column 1. C8 Column (One number) 2. C18 Column (One number)</p> <p>6. Software: Suitable software for controlling HPLC, detector and for data processing. Capable of doing integration, calculations, graph etc. Essential spares and consumables are required to be provided for at least 5000 runs. Software should be original with part number. System should be supplied with latest branded Desktop PC (compatible with the software) and UPS (3 kVA) for at least 30 min backup.</p> <p>7. Others: Supply should include auto sampler vials and caps. Should provide at least 0.45 μm 1000 units syringe filters. The system should have the provision for upgradation in future.</p>			

Sl.No.	SPECIFICATIONS	Quantity	Total Estimated price (inclusive of GST)	EMD (Rs.)@3%
4.	<p><u>THE HIGH-PURITY ULTRA-PURE WATER UNIT</u></p> <p>It should be a compact system capable of producing Ultra-pure water from tap water having TDS in the range of 1500-2000 mg/L.</p> <ul style="list-style-type: none"> ● The system should produce ultra-pure water from tap water for different applications, including HPLC and other analytical techniques. ● The system should comprise all the required accessories, such as a booster pump, pre-treatment filter, RO membrane, Deionization cartridge, etc., to meet the following qualities of water. ● The system should have provision for continuous display of output water resistivity. ● Output water storage tank capacity: 10 L or more ● The supplier needs to demonstrate the quoted instrument at the Institute/NCR and show each point mentioned in the technical specification. ● Warranty: Three years comprehensive warranty. <p>Output Water Quality should be:</p> <ol style="list-style-type: none"> 1. Dispense Flow Rate : Minimum 0.05 L/ min. 2. Inorganic (Resistivity) : 18.2 MΩ. cm 3. TOC : 1-5 ppb 4. Bacteria : < 0.01CFU/mL 5. pH : Around neutral 6. Particulates (size > 0.22 μm): < 1 particulate/mL 	01	Rs.7,00,000.00	Rs. 21,000.00

The bidder shall provide **Comprehensive on-site warranty for a period of 36 months** on all items from the last date of installation and shall be responsible for any defects that develop in the item. They shall also replace any defective part of the product supplied and other accessories, without any exception and recourse, free of cost. The period of warrantee will automatically treated as extended beyond 36 months if the instrument remain non functional more than 15 days after reporting non-functional.

SECTION IV
FINANCIAL BID

Supply and Installation of Lab Equipments i.e. Fourier Transform Infrared Spectrometer (FTIR), Dynamic Light Scattering Instrument for Measurement Of Size and Zeta Potential of Nanoparticle, High-Performance Liquid Chromatography (HPLC) and High-Purity Ultra-Pure Water Unit at Guru Gobind Singh Indraprastha University, Sector-16C, Dwarka, New Delhi-110078.

S. No.	Description	Qty.	Unit Cost (in Rs.)	GST	Total Amount (in Rs.)
1.	Fourier Transform Infrared Spectrometer (FTIR)	01			
2.	Dynamic Light Scattering Instrument For Measurement Of Size And Zeta Potential Of Nanoparticle	01			
3.	High-Performance Liquid Chromatography (HPLC)	01			
4.	The High-Purity Ultra-Pure Water Unit	01			
Total Amount in Rs.(including all taxes, GST)					

Note:-

- The item wise lowest financial bidder separately shall only be considered for award of work.**
- The rate of item should be inclusive of all taxes, packing forwarding, transit etc.
- The bidder shall provide List of parts with rates.
- The bidder shall provide **Comprehensive on-site warranty for a period of 36 months** on all items from the last date of installation and shall be responsible for any defects that develop in the item. They shall also replace any defective part of the product supplied and other accessories, without any exception and recourse, free of cost. The period of warrantee will automatically treated as extended beyond 36 months if the instrument remain non functional more than 15 days after reporting non-functional.
- The rates of the items supplied by the bidder through local market/India must be quoted in INR only.

(SEAL, SIGNATURE & NAME OF THE BIDDER)

SECTION - V

BID SECURING DECLARATION

I.....(Name of the Bidder)..... Designation,
of (Name of the Company) do hereby submit this Bid Securing
Undertaking that, if I withdraw or modify my Bid during the validity or, if I am awarded the
contract and failed to sign the contract or to submit the Performance security before the
deadline defined in the tender document, I shall be **suspended** for the period specified in the
tender document from being eligible to submit Bids for contract with the entity that invited
the Bids.

Name of the Bidder

Name of the Company

Dated