

भारतीय प्रौद्योगिकी संस्थान तिरुपति Indian Institute of Technology Tirupati Renigunta Road, Settipalli Post, Tirupati – 517506 Telephone: 0877- 2503572, Email: <u>purchase@iittp.ac.in</u>

Tender No. IITT/CHEM/2022-23/35

18 July, 2022.

NOTICE INVITING TENDER FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF COMPLETE MULTIDETECTOR GEL PERMEATION/ SIZE EXCLUSION CHROMATOGRAPHY(GPC/SEC)

(E-PROCUREMENT MODE ONLY)

Indian Institute of Technology Tirupati (IIT Tirupati) invites online bids (e-tender) in Two bid system from eligible Class-I / Class-II/ Non local suppliers in line with Government Public Procurement order No.P-45021/2/2017-BE-II dated: 04.06.2020 for the following:

Item Description	Quantity	Tender Fee (Inclusive of all taxes in Rs.)
Supply,installation,testing and commissioning of Complete Multidetector Gel permeation/ Size Exclusion Chromatography(GPC/SEC) as per the specifications of the tender documents	01 No	1500/-
Total		1500/-

The Tender Document can be downloaded from Central Public Procurement (CPP) Portal http://eprocure.gov.in/eprocure/app and bid is to be submitted online only through the same portal up to the last date and time of submission of tender.

Critical Dates of Tender:

1	Date and time of Online Publication/Download of Tenders	18.07.2022	18.00 hrs
2	Bid submission start date & time	18.07.2022	18.00 hrs
3	Bid submission close date & time	08.08.2022	15.00 hrs
4	Closing date & time for submission of EMD/Tender fee	08.08.2022	15.00 hrs
5	Opening of Technical bids	09.08.2022	15.00 hrs

1. About IIT TIRUPATI:

Indian Institute of Technology Tirupati (IIT Tirupati) is an Autonomous Institute under Ministry of Education, Govt. of India.

Gel P	Description with Specifications ermeation /Size Exclusion Chromatography (GPC/SEC) -01 No				
Conor	al Specification				
•	A Gel Permeation Chromatography System for rapid & reliable characterization of molecu				
molecular weight distributions for macromolecules ranging from natural to synthetic polyn advanced chromatographic detectors.					
	system along with an Integrated Set of detectors, to deliver unparalleled robustness & per				
	various Polymer applications ranging from Molecular Weight Measurements using				
	Calibration, Universal Calibration & triple detection systems. With the use of these tech	-			
	instrument set-up should be able to Infer Branching & Structural information, determ Molecular Weight & Absolute Molecular Weight measurements using Conventional				
	Universal Calibrations & Triple Detectors.	Calibra			
•	The minimum requirements of the instrument and monitoring system must consist of the	e equin			
•	instruments/ accessories as indicated below.	ie equipi			
-	Improved features can be considered with regard to the specifications as indicated.				
ſechn	ical Specifications				
<u>Fechn</u> S.no	tical Specifications Specification	Quan			
	Specification	Quan 01			
S.no					
S.no	Specification Solvent Delivery System:				
S.no	Specification Solvent Delivery System: 1. The pump should be double plunger reciprocating type, isocratic mode, should				
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S.no	Specification Solvent Delivery System: 1. The pump should be double plunger reciprocating type, isocratic mode, should be upgradeable to gradient mode later as per requirement. 2. The flow range should be 0.005 - 10 ml/min. or higher. 3. Maximum operating pressure should be 5000 psi or better. 4. Flow accuracy should be ± 1.0% or better.				
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2. Technical Specifications: Schedule of requirement

	2. The autosampler should have a minimum of 150 or more sampling capacity.	
	3. Injection volume reproducibility should be less than 0.3% RSD or better in full	
	loop mode.	
	4. Should have sample temperature control in the range of 4 °C- 60° C or better.	
	5. Injection volume accuracy should be $> 99.5\%$.	
	6. Advanced features with Auto Dilution & Auto addition are preferable.	
3	Column Oven	
	1. Column oven temperature should be range between $20 - 65^{\circ}$ C or better.	
	2. The column oven should hold minimum of 4 or more numbers of 30 cm columns.	
4.	Detector system:	
	The Gel Permeation Chromatography system should have an integrated detection system	
	which offers precise & accurate temperature control by housing all the detectors & the	
	chromatographic columns together in the same thermal chamber (preferably), to maintain	
	minimum inter-detector volumes & to reduce brand broadening effects to provide	
	unmatched baseline stability & data reproducibility. The GPC system must be equipped	
	with a 6 channel A/D data acquisition to provide complete input for all three detector	
	signals including RI, Viscometer Differential Pressure, Viscometer Input Pressure, 90	
	Degree Light Scattering and Low Angle Light Scattering. The Detailed specifications of	
	the various detectors required to meet the applications are mentioned below:	
	4a. Refractive index detector	01
	1. wavelength range should be 640 nm or better.	
	2. Flow cell volume should be a range of $5-12 \mu$ l.	
	3. Baseline noise should be less than 0.5μ RIU.	
	4. Baseline drift should be $< 3\mu$ RIU/hr.	
	1. Busenne ante should be a spirite m.	
	 5. Measuring principle: Deflection 	
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	 Measuring principle: Deflection The temperature range should be 20 °C to 60°C or better. 	
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	 Measuring principle: Deflection The temperature range should be 20 °C to 60°C or better. Sensitivity should be 100 ng or better of 100 kDa molecular weight polystyrene in THF. 	01
	 5. Measuring principle: Deflection 6. The temperature range should be 20 °C to 60°C or better. 7. Sensitivity should be 100 ng or better of 100 kDa molecular weight polystyrene in THF. 4b. Viscosity detector 	01
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	 6. Maximum flow rate for water should be 1.5 mL/min or better and for THF:3 mL/min or better. 7. Sensitivity should be 1ug or better of 100 kDa molecular weight polystyrene in THF. 	
	8. The detector should have Firmware-based transducer overpressure protection.	
	4c. Light scattering detector	01
	1. The light scattering detector to measure the absolute molecular weight without extrapolation & calculations.	
	2. Should be equipped with 2 or more angles, one at Right Angle Light Scattering Detector (RALS) & one or more at Low Angle Light Scattering Detector (LALS	
	detector) for effectively characterizing the anisotropic & isotropic scatters respectively.	
	 The cell volume of the light scattering detector should be 20 μl or less. The laser wavelength of the light scattering detector should be 640 nm or less. 	
	 Laser Power should be 40-50 mW. Baseline Noise should be <0.1mV. 	
	 Baseline Drift should be < 0.2mV/Hr. Sensitivity: 100ng of 100kDa molecular weight polystyrene in THF or better. Molecular weight range should be 200-10⁷ g/mol. 	
5	Software	01
-	1. An original licensed version of the software should be quoted.	
	2. The quoted software should be able to perform conventional & universal	
	calibration & triple detection measurements.	
	3. The software should be able to perform the following calculations: Mn, Mw,	
	Mz, Mp, Mw/Mn using conventional & universal calibration methods. Intrinsic	
	viscosity, branching number, branching frequency, number of arms, weight	
	fractions, concentration, MH-a & MH-K, dN/dC, dA/dC, A2.	
	4. Software should be able to analyse the Co-polymer.	
6	Standards and Columns	
	• At least 6 sets of 2 different molecular weights standards to calibrate the	
	RALS/LALS detector must be quoted along with the system.	
	• At least 2 no.s. of Org 300 x 8 mm GPC columns along with guard columns	
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	• A3000, Aq GPC/SEC Col 300 x 8 mm. X 2 no.s.	
	• A6000M, General Mixed Aq 300 x 8 mm X 2 no.s.	
	• T2000, Org GPC/SEC Col 300 x 8 mm X 2 no.s.	
	• T5000, Org GPC/SEC Col 300 x 8 mm X 2 no.s.	
	• TGuard, Org Guard Col 10 x4.6 mm X 2 no.s.	
	• A Guard, Aq Guard Col 50 x 6.0 mm X 2 no.s.	
	The vendor should provide details about the model number for each quoted column.	
7	Accessories	
	• Solvent filters: 10 no.s.	
	• Frits/pre filters: 10 no.s.	
	• PEEK and SS tubing: 10 m.	
	• PEEK ferrules - 20 no.s. in all required sizes.	
	• Toolbox kit for the system (as required).	
	• 100 nos 2 ml sample vials with caps and septa.	
	• Sample and solvent filtration kit.	
	• Provide at least 7 polystyrene narrow standards from 1000 – 2000000 Da	
	• VALCO inline filter with frits,	
	• Syringes (25 μ L and 100 μ L) : 2 no.s. each	
	• Other essential standards and accessories required for the instrument.	
	• Computer System with 24- inch display screen, 16 GB RAM and 1 TB HDD	
	with Windows 10 OS or latest, i7 or higher processor and 2 GB graphics card.	
	• The above accessories are the scope of delivery.	
8	Warranty	
	Complete instruments should have a minimum of 3 or more years of comprehensive	
	warranty from the date of installation at IIT Tirupati.	
9	Installation and Training	
	• Free of cost installation and training.	
10	Other Requirements	
	• All major parts of the instrument (Column oven, Detectors, etc.) should be from	
	the same manufacturer to ensure the software compatibility.	
	• The vendor should issue an undertaking for the availability of spare parts for at	
	least 10 years from the date of a successful installation.	
	• The quotation system should be compatible with free software upgrades.	
11.	The bidder should state the compliance of quoted equipment specifications with	
	required specifications in the tabular column. The bidder must mention the	

- All offered products technical Specifications and Brochures are to be submitted along with the Technical Bid.
- The detailed scope of coverage of Warranty shall be provided in the compliance statement -Annexure-VII.
- The Bidder shall furnish, as part of its bid, documents establishing the conformity of the Equipment that the Bidder proposes to supply under the Contract to the requirements of the Purchaser, as given in the Tender Document.
- The documentary evidence of conformity of the Equipment to the Tender Document may be in the form of written descriptions supported by Brochure / literature / diagrams / certifications, including: (a) A detailed description of the essential technical, functional and performance characteristics of the Equipment that the Bidder is proposing to supply; (b) Technical details of the major subsystems/components of the Equipment.

3. TENDER FEE & BID SECURITY DECLARATION DETAILS:

- **3.1 Tender Fee of Rs.1500/- (Rupees fifteen hundred only)** should be submitted through ECS (Bank transfer / NEFT / RTGS) in favour of <u>Indian Institute of Technology Tirupati</u>.
- **3.2** Bank A/c Details for crediting Tender Fee:

Name	:	Indian institute of Technology Tirupati Main Account
Bank	:	State Bank of India
Account No	:	35523338208
IFSC Code	:	SBIN0006677

3.3 Tender Fee and Bid Security Exemption:

I) Micro and Small Enterprises (MSEs):

Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) **for goods produced and services rendered**, are exempted from Tender fee and Bid Security. However, they have to enclose **valid self-attested registration certificate(s)** along with the tender to this effect.

Accordingly, MSEs shall be required to submit valid **Udyam Registration Certificate** for availing benefit under MSE Procurement Policy.

The benefit as above to MSEs shall be available only for Goods produced and services rendered by MSEs. However, traders are excluded from the purview of MSE Procurement Policy.

II) Startup(s):

Startup(s) as recognized by **Department for Promotion of Industry and Internal Trade (DPIIT)**, Govt. of India, are exempted from Tender fee and Bid Security. However, they have to enclose *valid self-attested registration certificate(s)* along with the tender to this effect.

Eligible MSE and startup bidders who seeks exemption from Tender fee/Bid Security as per clause no. (c) above, if they withdraw or modify their bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of three years or as decided by the competent authority from being eligible to submit bids for contracts with the entity that invited the bids.

- 3.4 The Bidders will have to upload scanned copy of Payment details towards tender fee and the same will be accepted only on verification and confirmation by the Institute. Any delay in credit will not be entertained by the Institute. (As per the format attached in Annexure I)
- 3.5 Other than eligible MSE and Startup bidders, Bid Security Declaration:

Bidders should have to submit the Bid Security Declaration (As per the format attached in annexure-II) in duly filled and signed condition.

4. ELIGIBILITY CRITERIA

4.1 Other Important Documents (OIDs)

Firm Incorporation Certificate, PAN details, GST details are to be provided.

4.2. Statutory Documents:

- I) The Bidder should give self-declaration certificate for acceptance of all terms & conditions of tender documents. A duly completed certificate to this effect is to be submitted as per the Annexure-I.
- II) The firm should not be in the active debarred list by any Central / State Government / Public Undertaking / Institute and no criminal case registered / pending against the firm or its owner / partners anywhere in India. A duly completed certificate to this effect is to be submitted as per Annexure-III.

III) Experience and Past Performance:

The bidder/OEM should have supplied at least 2 units of the similar make and model during past three financial years i.e. **during 2017-18 to 2019-20 or 2018-19 to 2020-21** to other CFTI institutes like IIT or IISER and must provide the service satisfactory certificate. The vendor should provide details about the supplied units with purchase orders, specifications and satisfactory installation certificates with product details as proof with customer contacts email and phone number as per the **Annexure-IV**.

- IV) The Annual Turnover should be at least Rs. 15 Lakhs and be profitable during each of the previous three financial years i.e. during 2017-18 to 2019-20 or 2018-19 to 2020-21. Audited financial Statements or Financial Statements showing turnover duly signed by a Chartered Accountant are to be submitted as per the Annexure-V.
- V) In case the bidder is a <u>Class-I / Class-II/ Non-Local Supplier</u> in line with the Public Procurement (Preference to Make in India) Order 2017 No. P-45021/2/2017-PP (BE-II) dated 04 Jun 2020 as amended from time to time. A Self-Declaration Certificate regarding "Class-I/Class-II/Non local Supplier" for the tendered items as per the Annexure-V is to be submitted.

As per the OM of Department of Promotion for Industry and Internal Trade No. P-45021/102/2019-BE-II-Part(1) dated: 04.03.2021. The bidders can't claim themselves as Class-I local suppliers/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.

- a. 'Local Content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent.
- b. 'Class-I local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50% as defined under this order.
- c. 'Class-II local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has minimum local content of 20% but less than 50%, as defined under this order.
- d. 'Non-local supplier'means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%, as defined under this order.
- e. Complaint redressal mechanism: In case any complaint received by the procuring agency or the concerned Ministry/Department against the claim of a bidder regarding local content/domestic value addition in an electronic product, the same shall be referred to STQC.

- f. The bidder shall be required to furnish the necessary documentation in support of the domestic value addition claimed in an electronic product to STQC. If no information is furnished by the bidder, such laboratories may take further necessary action, to establish the bonafides of the claim.
- g. A complaint fee of Rs. 2 lakh or 1% of the value of the domestically manufactured products being procured (subject to a maximum of Rs.5 lakh), whichever is higher, to be paid by Demand Draft to be deposited with STQC. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.
- h. False declarations will be in breach of the Code of Integrity under Rule 175 (1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- VI) The bidder should be OEM or OEM authorized Dealers / Channel partners / Distributors of reputed brand having authorization for sales and after sales support. Valid OEM authorization letter is required to participate in this tender.

VII) **Prior Registration and / or Screening of bidders:**

Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder registered with the competent authority. The concerned bidder(s) are required to attach the relevant valid Registration Certificate along with the bid for consideration.

"Bidder" (including the term 'tenderer', consultant or service provider in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

"Bidder from a country which shares a land border with India" for the purpose of this Order means :-

- An entity incorporated, established or registered in such a country; or
- A subsidiary of an entity incorporated, established or registered in such a country or
- An entity substantially controlled through entities incorporated, established or registered in such a country; or
- An entity whose beneficial owner is situated in such a country; or
- An Indian (or other) agent of such an entity; or
- A natural person who is a citizen of such a country; or

• A consortium of joint venture where any member of the consortium or joint venture falls under any of the above.

The detailed terms & conditions issued from time to time in this regard by Government of India will be applicable.

VIII) Authorized Representatives:

Bids of bidders quoting as authorised representative of a principal manufacturer would also be considered to be qualified, provided:

- (i) Their principal manufacturer meets all the criteria above without exemption, and
- ii) The principal manufacturer furnishes a legally enforceable tender-specific authorisation assuring full guarantee and warranty obligations as per the general and special conditions of contract;

and

iii) The bidder himself should have been associated, as authorised representative of the Principal Manufacturer for same set of services as in present bid (supply, installation, satisfactorily commissioning, after sales service as the case may be) for same or similar item for past three years ending on bid opening date.

4.3 TECHNICAL CRITERIA

Bidders should comply the specification of the tendered item in all respect. The detailed format is attached at Annexure-VII. The bidder is to complete the same in all respect and submit accordingly.

5. FINANCIAL BID DETAILS

- 5.1 Financial bid i.e. BOQ given with tender (in **Excel format**) to be downloaded first and uploaded after filling all relevant information strictly as per the format failing which the offer is liable for rejection. Kindly quote your offer on FOR IIT Tirupati (inclusive of all taxes and charges) for indigenous bidders. CIP Chennai airport for foreign bidders. **Vendor should quote prices in BOQ only, offers indicating rates anywhere else shall be liable for rejection.**
 - 5.2 Concessional Custom Duty / Concessional GST is applicable to IIT Tirupati as a Research Institution. Necessary Certificate to this effect shall be provided by IIT Tirupati to the supplier.

6. BID PRICES

6.1 Prices must be quoted separately for each equipment/item identified.

- 6.2 Price quoted for equipment must include all costs associated with packing, transportation, insurance, all duties and levies, delivery of equipment, loading and unloading on DOOR DELIVERY basis to the Indian Institute of Technology Tirupati, IIT Tirupati Transit campus, Venkatagiri Road, Yerpedu Mandal, Pin: 517619, Chittoor District, Andhra Pradesh, India including its installation, commissioning, integration and validation.
- 6.3 In case of equipment originating in other countries, prices shall be quoted on CIP (Port of Destination Chennai Airport/ Seaport). The comparable prices will be arrived based on CIP basis. In the case equipment originating in other countries, the bidder shall provide the following at the time of supply, within 24 hours of dispatch: a) Supplier"s Invoice giving full details of the goods including quantity, value, etc.; b) Packing list; c) Certificate of country of origin; d) Manufacturer's guarantee and Inspection certificate; e) Inspection certificate issued by the Purchaser's Inspector; f) Insurance Certificate upto destination, IIT Tirupathi g) Name of the Vessel/Carrier; h) Bill of Lading/Airway Bill; i) Port of Loading; j) Date of Shipment; k) Port of Discharge & expected date of arrival of goods and l) Any other document(s) as and if required in terms of the contract.

7. Bid Currency:

- 7.1 Prices of indigenous equipment/items shall be quoted in Indian Rupees.
- 7.2 Prices of equipment/items originating in other countries shall be quoted in the **currency of country of origin** and the portion of allied work and services, which are to be undertaken in India, are to be quoted in the Indian Currency. The comparison of financial bids would be done after converting the currency value in INR based on RBI rates applicable on the date of opening of the tender.
- 7.3 As per Tender Clause No.5, for Indigenous bidders the quote should be FOR IIT Tirupati (inclusive of all taxes and charges) and for foreign bidders the quote should be upto CIP Chennai Airport. In order to match with Indigenous bidders for arriving L1, the cost towards concessional customs duty, clearance and onward transmission upto IIT Tirupati will be loaded for the foreign bidders, by adding 10% of the quoted CIP value.

8. TIME SCHEDULE:

S. No.	Particulars	Date	Time
a.	Date of Online Publication of Tender	18.07.2022	18.00 hrs
b.	Bid Submission Start Date	18.07.2022	18.00 hrs
с.	Bid Submission Close Date	08.08.2022	15.00 hrs
d.	Closing Date & Time for Submission of EMD & Tender Fee	08.08.2022	15.00 hrs
e.	Opening of Technical Bids	09.08.2022	15.00 hrs

9. AVAILABILITY OF TENDER

The tender document can be downloaded from <u>http://eprocure.gov.in/eprocure/app</u> and be submitted only through the same website.

10. BID VALIDITY PERIOD

The bid will remain valid for 120 days from the date of opening as prescribed by IIT Tirupati. A bid valid for a shorter period shall be rejected, being non-responsive.

11. BID SUBMISSION

11.1 Instruction to Bidder

- Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (URL: https://eprocure.gov.in/eprocure/app) by clicking on the link "Online Bidder Enrolment" on the CPP Portal. The registration is completely free of charge.
- II) Possession of a valid Class II/III DSC in the form of smart card / e-token is a prerequisite for registration and participating in the bid submission activities. DSCs can be obtained from the authorised certifying agencies recognized by CCA India (e.g. Sify/TCS/nCode/eMudhra etc).
- III) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- IV) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.

- V) The Bidders are required to log in to the site through the secured log-in by entering their respective user ID / password and the password of the DSC.
- VI) The CPP portal also has user manuals with detailed guidelines on enrolment and participation in the online bidding process. The user manuals can be downloaded for reference.

11.2 TENDER CLARIFICATION

- I) In case the bidders require any clarification regarding the tender documents, they are requested to contact our office Ph. no: 0877-2503572, Email ID: purchase@iittp.ac.in on or before due date.
- II) Technical and Specifications related Clarifications contact our office No : 9840269624 Email ID: <u>anilvir@iittp.ac.in</u> on or before due date.
- III) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

11.3 ONLINE BID SUBMISSION PROCEDURE

Cover-1: The file should be saved in a PDF version numbered sequentially and should comprise of the following items:

Packet-1:

Duly Completed Scanned PDF copy of, PAN, GST, Firm Registration certificate and Annexure-I to VIII with relevant supporting documents Only the relevant documents as per the tender clauses are to be uploaded along with duly completed checklist as per the annexure-IX. Uploading of other than the required documents may liable for rejection of the bid.

Cover-2:

A standard BOQ format has been provided in excel format. Bidders are required to download the BOQ excel file and fill their financial offer on the same BOQ format. After filling the same, submit it online in excel format, without changing the financial template format.

Note:

If the bid is incomplete and / or non-responsive it will be rejected during technical evaluation. The bidder may not be approached for clarifications during the technical evaluation. So, the bidders are requested to ensure that they provide all necessary details in the submitted bids.

12. BID OPENING

- 12.1Technical Bids will be opened on **09.08.2022** @ **15.00 Hrs.**
- 12.2 Financial Bids of the eligible bidders will be opened on a later date. The date and time for opening of Financial Bids will be announced later.

12.3 Bids should be summarily rejected, if tender is submitted other than through online or original tender fee/Bid security declaration are not submitted within stipulated date / time.

13. BID EVALUATION

Based on results of the Technical evaluation IIT Tirupati evaluates the Commercial Bid of those Bidders who gets qualify in the Technical evaluation. <u>The Commercial Bid with the lowest price will be the highest evaluated bid.</u>

13.1 Purchase Preference

I) Micro and Small Enterprises (MSEs):

Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) for goods produced and services rendered, may be provided following purchase preference:

Item wise Quantity	Price Quoted by MSE	How the tender shall be finalized
Cannot be split	L1	Full Order on MSE
Cannot be split	Not L1 but within L1 +	Full Order on MSE subject to matching L1
	15%	Price

II) **Preference to Make in India**

- a) In procurement goods or works which are covered under by para 3(b) of the extant Public Procurement (Preference to Make in India) Order 2017 dated 04 June 2020 and which are **divisible** in nature, the "Class-I Local Supplier" shall get purchase preference over "Class-II Local Supplier" as well as "Non-Local Supplier" as per following procedure:
 - i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is "Class-I Local Supplier", the contract for full quantity will be awarded to L1.
 - ii) If L1 bid is not a "Class-I Local Supplier", 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the "Class-I Local Supplier" will be invited to match L1 price for the remaining 50% quantity subject to the Class-I Local Supplier's quoted price falling within the margin of L1 + 20%, and contract for that quantity shall be awarded to such "Class-I Local Supplier" subject to matching the L1 price. In case such lowest eligible "Class-I Local Supplier" fails to match L1 price or accepts less than the offered quantity, the next higher "Class-I Local Supplier" within the margin of L1 + 20% shall be invited to match the L1 price for remaining quantity and so on, and 14 of 35 P a g e

contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such quantity may be ordered on the L1 bidder.

b) In procurement goods or works which are covered under by para 3(b) of the extant Public Procurement (Preference to Make in India) Order 2017 dated 04 June 2020 and which are **not divisible** in nature, and in procurement of services where the bid is evaluated on price alone, the "Class-I Local Supplier" shall get purchase preference over "Class-II Local Supplier" as well as "Non-Local Supplier" as per following procedure:

i) Among all qualified bids, the lowest bid will be termed as L1.

If L1 is "Class-I Local Supplier", the contract will be awarded to L1.

- ii) If L1 is not a "Class-I Local Supplier", the lowest bidder among the Class-I Local Supplier, will be invited to match the L1 price subject to Class-I Local Supplier's quoted price falling within the margin of L1 + 20%, the contract shall be awarded to such Class-I Supplier subject to matching the L1 price.
- iii)In case such lowest eligible Class-I Local Supplier fails to match the L1 price, the "Class-I Local Supplier" with the next higher bid within the margin of L1 + 20% shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the of Class-I Local Supplier within the margin of L1 + 20%, the contract may be awarded to the L1 bidder.

$iv)\ Class-II\ Local\ Supplier/Non\ local\ supplier\ will\ not\ get\ purchase\ preference.$

14. PAYMENT TERMS

For Indian bidders:

<u>No advance payment will be made in any case.</u> Bills in Duplicate should be sent and the payment shall be released generally within 30 days, only after it is ensured that the items / quality of the items supplied are to the entire satisfaction of IIT Tirupati and completed the entire work within the stipulated delivery schedule. If any item is found defective, or not of the desired quality etc., the same should be replaced by the firm(s) immediately for which no extra payment shall be made.

For Foreign bidders :

For imported items payment will be made through irrevocable Letter of Credit (LC). 90% of LC will be opened on **CIP Chennai airport value** and will be released against the proof of despatch documents and balance 10% will be released through wire transfer after the

successful installation, commissioning and demonstration, training of the equipment at IIT Tirupati site.

Bank charges on LC within India to applicant account and outside India to beneficiary account.

The charges for any LC amendments requested by the vendor will have to be paid by the vendor.

15. WARRANTY OF QUALITY AND QUANTITY

- 15.1The awardee shall give minimum **3 years' comprehensive onsite warranty** on successful completion of supply, and acceptance of supplied items.
- 15.2The awardee shall give warranty that all items are as per specification(s), conforming to the specified design and there are no defects in the process of manufacturing, packaging, transportation and delivery.
- 15.3 Upon receipt of notice from IIT Tirupati for defective material, the firm shall **within 15 days** of receipt of the notice, replace the defective material, free of cost at the destination. The firm shall take over the defective material at the time of their replacement. No claim whatsoever shall lie on IIT Tirupati for the replaced goods thereafter. If the firm fails to replace the defective goods within a reasonable period, IIT Tirupati may proceed to take such remedial actions as may be necessary, at the company's risk and expense.

16. LIQUIDATED DAMAGES

In case of delay in Supply by the stipulated date, IIT Tirupati reserves the right of imposing penalty @0.5% per week on the value of the undelivered items subject to maximum 10% of the cost of undelivered items.

17. DELIVERY SCHEDULE

17.1 The successful bidder should execute the order successfully i.e. Supply, Installation of ordered items within 10 weeks at IIT Tirupati from the date of issue of the purchase order. In case of any damage/Broken/Expired items found, the item(s) should be replaced within 15 days at IIT Tirupati. The bidder has to make own arrangement for unloading and positioning of items at the desired location of IIT Tirupati.

18. PERFORMANCE SECURITY DETAILS

18.1The successful tenderer will have to deposit the performance security valid for 39 Months in the form of DD / TDR / FDR / Bank Guarantee @03% of the total order value at the earliest from the date of issue of the award letter. No interest will be paid by IIT Tirupati on the deposit.

- 18.2 Performance Security will be refunded to the supplier, after it duly performs and completes the contract/warranty period in all respects.
 - 18.3 Performance Security will be forfeited if the firm fails to perform/abide by any of the terms or conditions of the contract.
 - 18.4 In case, the firm fails to execute the order successfully, within specified delivery period, the same goods/items will be procured from open market and the difference of cost, if any, will be recovered from Performance Security or from pending bill(s) of the defaulting firm or from both in case the recoverable amount exceeds the amount of Performance Security.

19. TERMS AND CONDITIONS

19.1 Termination for Insolvency

- I) The IIT Tirupati may at any time terminate the Contract by giving a written notice to the awarding firm, without compensation to the firm, if the firm becomes bankrupt or otherwise insolvent as declared by the competent Court, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the department.
- II) IIT Tirupati and/or the firm are entitled to withdraw/cancel the rate contract by serving one-month notice on each other. However, once a purchase order is placed on the supplier for supply of a definite quantity in terms of the rate contract during the validity of the rate contract, that purchase order becomes a valid and binding contract.
- III) The courts of Tirupati alone will have the jurisdiction to try any matter, dispute or reference between the parties arising out of this purchase. It is specifically agreed that no court outside and other than Tirupati Court shall have jurisdiction in the matter

19.2 Force Majeure

- I) Should any force majeure circumstances arise, each of the contracting parties be excused for the non-fulfilment or for the delayed fulfilment of any of its contractual obligations, if the affected party within 15 days of its occurrence informs in a written form the other party.
- II) Force Majeure shall mean fire, flood, natural disaster or other acts such as war, turmoil, sabotage, explosions, epidemics, quarantine restriction, strikes, and lockouts i.e. beyond the control of either party.

19.3 Arbitration

I) All disputes of any kind arising out in connection with the executing the order shall be referred by either party (IIT TIRUPATI or the bidder) after issuance of 30 days' notice in writing to the other party clearly mentioning the nature of dispute to a single arbitrator acceptable to both the parties. The venue for arbitration shall be IIT TIRUPATI India. The jurisdiction of the courts shall be Tirupati, Andhra Pradesh, India.

19.4 Other Conditions

- The bidder has to upload the relevant & readable files only as indicated in the tender documents. In case of any irrelevant or non-readable files, the bid may be rejected.
- II) IIT Tirupati will not be liable for any obligation or supplies made unless the Official Purchase Order has been placed by the Purchase Department.
- III) IIT Tirupati reserves the right to accept or reject any or all the tenders in part or in full or may cancel the tender, without assigning any reason thereof.
- IV) IIT Tirupati reserves the right to relax / amend / withdraw any of the terms and conditions contained in the Tender Document without assigning any reason thereof. Any inquiry after submission of the quotation will not be entertained.
- V) IIT Tirupati reserves the right to modify/change/delete/add any further terms and conditions prior to issue of purchase order.
- VI) In case the bidders/successful bidder(s) are found in breach of any condition(s) at any stage of the tender, Performance Security shall be forfeited.
- VII)False declaration/documents will be in breach of the Code of Integrity under Rule 175(1) (h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- VIII) Repeat Order: IIT Tirupati reserves the right to place repeat order up to 100% of the quantities within a period of 12 months from the date of successful completion of purchase order at the same rates and terms subject to the condition that there is no downward trend in prices.

To take care of any change in the requirement during the currency of the contract, a plus/minus option clause for 25 per cent is incorporated in the tender document, reserving purchaser's right to increase or decrease the quantity of the required goods up to that limit without any change in the terms and conditions and prices quoted by the tenderers.

- IX) Conditional tenders will not be considered in any case.
- X) In case of doubt in material, the expenditure on testing of equipment will be borne by the tenderer.
- XI) Institute reserve the right to increase/decrease the order quantity at any period of times during the validity of the contract.
- XII) IIT Tirupati may issue amendment/corrigendum to tender documents before due date of submission of bid. Any amendment/corrigendum to the

tender document if any, issued by IIT Tirupati will be posted on CPP Portal. For the bidders, submitting bids on downloaded tender document, it is 'bidders' responsibility to check for any amendment/corrigendum on the website of IIT Tirupati or check for the same CPP Portal before submitting their duly completed bids.

UNDERTAKING

To **The Registrar,** Indian Institute of Technology Tirupati-Renigunta Road, Settipalli post, Tirupati 517506.

Tender No. IITT/CHEM/2022-23/35 dated: 18.07.2022.

Name of the Tender/Supply: Notice Inviting Tender for Supply, installation, testing and Commissioning of Complete Multidetector Gel permeation/ Size Exclusion Chromatography(GPC/SEC).

Sir,

I /we hereby submit our bid for Supply, installation, testing and Commissioning of Complete Multidetector Gel permeation/ Size Exclusion Chromatography(GPC/SEC).

I/ We enclosed here with the following in favor of Indian Institute of Technology Tirupati towards Tender Fee.

Particular	Amount	Payment Reference Details	Payment Date
Tender Fee (Including Tax)	1500/-		

- 1. I / We hereby reconfirm and declare that I / We have carefully read, understood & complying the above referred tender document including instructions, terms & conditions, scope of work, schedule of quantities and all the contents stated therein. I / We also confirm that the rates quoted by me / us are inclusive of all taxes, duties etc., applicable as on date.
- 2. I /we have gone through all terms and conditions of the tender document before submitting the same.



 $20 \mbox{ of } 35 \mbox{ P} \mbox{ a g e}$

ANNEXURE – II

On Company Letter Head

Bid Security Declaration

To **The Registrar,** Indian Institute of Technology Tirupati-Renigunta Road, Settipalli post, Tirupati 517506.

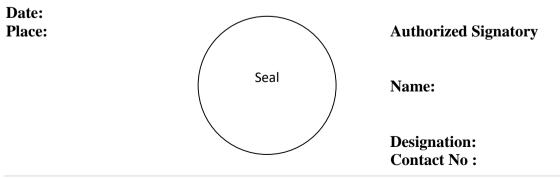
Tender No. IITT/CHEM/2022-23/35 dated:18.07.2022.

Name of the Tender/Supply: Notice Inviting Tender for Supply, installation, testing and Commissioning of Complete Multidetector Gel permeation/ Size Exclusion Chromatography(GPC/SEC).

Sir,

We, the undersigned declare that

- 1. We understood that, according to the tender conditions, bids must be supported by a Bid Security Declaration.
- 2. We accept that we will automatically be suspended from being eligible for bidding in any contract with the Institute for the period of **3 years** starting from the bid closing date, if we are in breach of our obligation(s) under the bid conditions, because we;
 - (a) have withdrawn our bid during the period of bid validity specified in the letter of bid; or
 - (b) having been notified of the acceptance of our bid by the institute during the period of bid validity, (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the tender conditions.

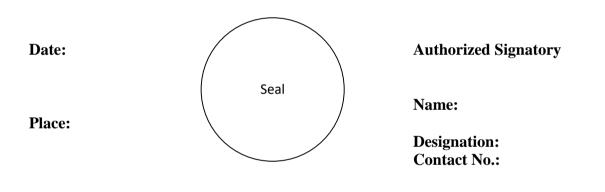


 $21 \text{ of } 35 \ \text{P} \ \text{age}$

CERTIFICATE (To be provided on letter head of the firm)

I hereby certify that the above firm is not in the active debarred list by any Central/State Government/Public Undertaking/Institute nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India.

I also certify that the above information is true and correct in every respect and in any case at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm may be blacklisted.



ANNEXURE – IV

a) Experience: (As per tender Clause No.4.2 (III)

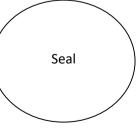
Year	Name of the Item with Specification (Technical specification brochure to be attached)	Purchase Order No. & Date (Copy of the Orders to be attached)	Date of successfully completion of SITC of ordered Item (copy of report from client to be attached)	Contact Details of Client
2017-18				
2018-19				
2019-20				
2020-21				

b) Past Performance: (As per tender Clause No.4.2 (III)

Year	Purchase Order No. & Date (Copy of the Orders to be attached)	Quantity	Date of successfully completion of SITC of ordered Item (copy of report from client to be attached)	Whether supplied item(s) is in successful operation for at least one year (Certificate from client to be attached)	Contact Details of Client [email and phone no]
2017-18				, , , , , , , , , , , , , , , , , , , ,	
2018-19					
2019-20					
2020-21					

Date :

Place :



Authorized Signatory

Name: Designation:

Contact No.:

ANNEXURE – V

Annual Turnover and Profit Details:

Place:

	Evalu	ation Criteria	Remark	Specific page no. where the proof of documents are enclosed	
Bidder's Annual	Financial Year	Turnover in Rs.	Annual Profit in Rs.	-	
Turnover and Profit for last three financial years	2020-21			Supporting Documents are to be	
	2019-20			attached along with the Annexure-V [i.e. Audited financial	
	2018-19			Statements or Financial Statements showing turnover duly signed by a Chartered	
	2017-18			Accountant are to be submitted]	
Date:			Author	rized Signatory:	
		Seal	Design	nation:	

Contact No.:

Format for Self-Declaration under preference to make in India order

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II date. 15.06.2017 & P-45021/2/2017-PP (BE-II) dated: 04 June 2020. We hereby certify that we M/s. _________ (supplier name) are CLASS-I/Class-II/Non-local (Please specify clearly) supplier for the material against Enquiry No. IITT/CHEM/2022-23/35 dated: 18.07.2022.

Details of location at which local value addition will be made as follows: (Complete address to be mentioned)

Percentage of Local Content: _____

(As per the OM of Department of Promotion for Industry and Internal Trade No. P-45021/102/2019-BE-II-Part(1) dated: 04.03.2021. The bidders can't claim themselves as Class-I local suppliers/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition)

We also understand, false declarations will be in breach of the Code of Integrity under rule 175 (1) (i) (h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and signature of Supplier

Date

:

:

Place

ANNEXURE - VII

Technical Compliance statement								
	Description			Complied (Yes/No)	Remarks, if any	Offered Make & Model	% of Local Content as per Tender Clause No.4.2(V)	Country of Origin
Col D	armostion Size Evolution Chromotogy	onhy						
	ermeation /Size Exclusion Chromatogra /SEC) -01 Nos.	<u>apny</u>						
Gener	al Specification							
•	A Gel Permeation Chromatography System for reliable characterization of molecular weight & weight distributions for macromolecules rate natural to synthetic polymers using chromatographic detectors. The Gel Permeation Chromatography system sho of an Integrated Solvent & Sample Delivery system with an Integrated Set of detectors, to deliver of robustness & performance for various Polymer at ranging from Molecular Weight Measurem Conventional Calibration, Universal Calibration detection systems. With the use of these technistrument set-up should be able to Infer B Structural information, determine Relative Weight & Absolute Molecular Weight measurem Conventional Calibrations, Universal Calibration Detectors. The minimum requirements of the instru- monitoring system must consist of the instruments/ accessories as indicated below. Improved features can be considered with re- specifications as indicated.	k mole nging adva ould co ystem a unparal applica nents u ologies ranchir Mole ments u ns & T ument equipr	cular from inced onsist along leled tions using triple s, the og & cular using Triple and nent/					
Techn	<u>ical Specifications</u>		I					
S.no	Specification	Qty						
1	Solvent Delivery System:	01						

<u> </u>	
1. The pump should be double plunger	
reciprocating type, isocratic mode,	
should be upgradeable to gradient	
mode later as per requirement.	
2. The flow range should be 0.005 - 10	
ml/min. or higher.	
3. Maximum operating pressure should	
be 5000 psi or better.	
_	
two-channel degasser.	
Auto Sampler:	01
_	<u>.</u>
minimum of 150 or more sampling	
capacity.	
3. Injection volume reproducibility	
should be less than 0.3% RSD or	
better in full loop mode.	
4. Should have sample temperature	
preferable.	
Column Oven	
1 Column oven temperature should be	
1. Column oven temperature should be range between 20 - 65° C or better.	
	 reciprocating type, isocratic mode, should be upgradeable to gradient mode later as per requirement. 2. The flow range should be 0.005 - 10 ml/min. or higher. 3. Maximum operating pressure should be 5000 psi or better. 4. Flow accuracy should be ± 1.0% or better. 5. The pumping system should have leak detection, safe leak handling, leak output signal for shutdown of the pumping system. 6. Should have an inbuilt integrated two-channel degasser. Auto Sampler: The system should be of auto-injection features. 1. Injection volume range: 1 - 300 μL or better. 2. The autosampler should have a minimum of 150 or more sampling capacity. 3. Injection volume reproducibility should be less than 0.3% RSD or better in full loop mode. 4. Should have sample temperature control in the range of 4 °C- 60° C or better. 5. Injection volume accuracy should be > 99.5%. 6. Advanced features with Auto Dilution & Auto addition are preferable.

	2. The column oven should hold minimum of 4 or more numbers of 30 cm columns.				
4.	Detector system: The Gel Permeation Chromatography system should have an integrated detection system which offers precise & accurate temperature control by housing all the detectors & the chromatographic columns together in the same thermal chamber (preferably), to maintain minimum inter-detector volumes & to reduce brand broadening effects to provide unmatched baseline stability & data reproducibility. The GPC system must be equipped with a 6 channel A/D data acquisition to provide complete input for all three detector signals including RI, Viscometer Differential Pressure, Viscometer Input Pressure, 90 Degree Light Scattering and Low Angle Light Scattering. The Detailed specifications of the various detectors required				
	 to meet the applications are mentioned below: 4a. Refractive index detector wavelength range should be 640 nm or better. Flow cell volume should be a range of 5-12 μl. Baseline noise should be less than 0.5µ RIU. Baseline drift should be < 3µ RIU/hr. Measuring principle: Deflection The temperature range should be 20 °C to 60°C or better. Sensitivity should be 100 ng or better of 100 kDa molecular weight polystyrene in THF. 	01			
	4b. Viscosity detector	01			

			1 '		
1.	Measuring Principle: Inert, 4				
	capillary differential Wheatstone				
	bridge arrangement with self-				
	balancing mechanism and user				
	interchangeable capillaries.				
2.	Bridge volume should be 35 μl or				
	less.				
3.	The temperature range should be 20				
	to 60°C or more.				
4.	Baseline noise should be $<0.5\ mV$ /				
	0.5 Pa.				
5.	Baseline drift should be <0.3 Pa or				
	better.				
6.	Maximum flow rate for water should				
	be 1.5 mL/min or better and for				
	THF:3 mL/min or better.				
7.	Sensitivity should be 1ug or better of				
	100 kDa molecular weight				
	polystyrene in THF.				
8.	The detector should have Firmware-				
	based transducer overpressure				
	protection.				
		0.1	-		
-	the scattering detector	01			
1.	6 6				
	measure the absolute molecular				
	weight without extrapolation &				
2	calculations.				
2.	Should be equipped with 2 or more				
	angles, one at Right Angle Light				
	Scattering Detector (RALS) & one or				
	Scattering Detector (RALS) & one or more at Low Angle Light Scattering				
	Scattering Detector (RALS) & one or more at Low Angle Light Scattering Detector (LALS detector) for				
	Scattering Detector (RALS) & one or more at Low Angle Light Scattering Detector (LALS detector) for effectively characterizing the				
	Scattering Detector (RALS) & one or more at Low Angle Light Scattering Detector (LALS detector) for effectively characterizing the anisotropic & isotropic scatters				
	Scattering Detector (RALS) & one or more at Low Angle Light Scattering Detector (LALS detector) for effectively characterizing the anisotropic & isotropic scatters respectively.				
3.	Scattering Detector (RALS) & one or more at Low Angle Light Scattering Detector (LALS detector) for effectively characterizing the anisotropic & isotropic scatters respectively. The cell volume of the light scattering				
3.	Scattering Detector (RALS) & one or more at Low Angle Light Scattering Detector (LALS detector) for effectively characterizing the anisotropic & isotropic scatters respectively. The cell volume of the light scattering detector should be 20 µl or less.				
3.	Scattering Detector (RALS) & one or more at Low Angle Light Scattering Detector (LALS detector) for effectively characterizing the anisotropic & isotropic scatters respectively. The cell volume of the light scattering detector should be 20 µl or less. The laser wavelength of the light				
	Scattering Detector (RALS) & one or more at Low Angle Light Scattering Detector (LALS detector) for effectively characterizing the anisotropic & isotropic scatters respectively. The cell volume of the light scattering detector should be 20 µl or less.				

	5. Laser Power should be 40-50 mW.	
	6. Baseline Noise should be <0.1 mV.	
	7. Baseline Drift should be < 0.2 mV/Hr.	
	8. Sensitivity: 100ng of 100kDa	
	molecular weight polystyrene in THF	
	or better.	
	9. Molecular weight range should be	
	200-10 ⁷ g/mol.	
	200 10 9	
5	Software	01
	1. An original licensed version of the	
	software should be quoted.	
	2. The quoted software should be able	
	to perform conventional & universal	
	calibration & triple detection	
	measurements.	
	3. The software should be able to	
	perform the following calculations:	
	Mn, Mw, Mz, Mp, Mw/Mn using	
	conventional & universal calibration	
	methods. Intrinsic viscosity,	
	branching number, branching	
	frequency, number of arms, weight	
	fractions, concentration, MH-a &	
	MH-K, dN/dC, dA/dC, A2.	
	4. Software should be able to analyse	
	the Co-polymer.	
6	Standards and Columns	
-	• At least 6 sets of 2 different	
	molecular weights standards to	
	calibrate the RALS/LALS detector	
	must be quoted along with the	
	system.	
	• At least 2 no.s. of Org 300 x 8 mm	
	GPC columns along with guard	
	columns must be quoted. The	
	molecular weight range of the	
	organic columns must be up to	
	1,00,000 Da.	

 At least 6 sets of 12 different molecular weight standards ranging from low to mid & high molecular weights for the conventional calibration must be quoted along with the instrument. A3000, Aq GPC/SEC Col 300 x 8 mm. X 2 no.s. A6000M, General Mixed Aq 300 x 8 mm X 2 no.s. T2000, Org GPC/SEC Col 300 x 8 mm X 2 no.s. T5000, Org GPC/SEC Col 300 x 8 mm X 2 no.s. T5000, Org GPC/SEC Col 300 x 8 mm X 2 no.s. TGuard, Org Guard Col 10 x4.6 mm X 2 no.s. A Guard, Aq Guard Col 50 x 6.0 mm X 2 no.s. vendor should provide details about the el number for each quoted column. 				
 Solvent filters: 10 no.s. Frits/pre filters: 10 no.s. PEEK and SS tubing: 10 m. PEEK ferrules - 20 no.s. in all required sizes. Toolbox kit for the system (as required). 100 nos 2 ml sample vials with caps and septa. Sample and solvent filtration kit. Provide at least 7 polystyrene narrow standards from 1000 – 2000000 Da VALCO inline filter with frits, Syringes (25 µL and 100 µL) : 2 no.s. each Other essential standards and accessories required for the instrument. 				

Complete instruments should have a minimum of 3 or more years of comprehensive warranty from the date of installation at IIT Tirupati. 9 Installation and Training Free of cost installation and training. 10 Other Requirements All major parts of the instrument (Column oven, Detectors, etc.) should be from the same manufacturer to ensure the software compatibility. The vendor should issue an undertaking for the availability of spare parts for at least 10 years from the date of a successful installation. The quotation system should be compatible with free software upgrades. 					
HDD with Windows 10 OS or latest, i7 or higher processor and 2 GB graphics card. The above accessories are the scope of delivery. Warranty Complete instruments should have a minimum of 3 or more years of comprehensive warranty from the date of installation at IIT Tirupati. Installation and Training Installation and Training Other Requirements • All major parts of the instrument (Column over, Detectors, etc.) should be from the same manufacturer to ensure the software compatibility. • The vendor should issue an undertaking for the availability of spare parts for at least 10 years from the date of a successful installation. • The quotation system should be compatible with free software upgrades. Installed requipment specifications with required specifications in the tabular column. The bidder must mention the		• Computer System with 24- inch			
i7 or higher processor and 2 GB graphics card. • The above accessories are the scope of delivery. 8 Warranty Complete instruments should have a minimum of 3 or more years of comprehensive warranty from the date of installation at IIT Tirupati. 9 Installation and Training • Free of cost installation and training. 10 Other Requirements • All major parts of the instrument (Column oven, Detectors, etc.) should be from the same manufacturer to ensure the software compatibility. • The vendor should issue an undertaking for the availability of spare parts for at least 10 years from the date of a successful installation. • The quotation system should be compatible with free software upgrades. 11. The bidder should state the compliance of quoted equipment specifications with required specifications in the tabular column. The bidder must mention the		display screen, 16 GB RAM and 1 TB			
graphics card. • The above accessories are the scope of delivery. 8 Warranty Complete instruments should have a minimum of 3 or more years of comprehensive warranty from the date of installation at IIT Tirupati. 9 Installation and Training • Free of cost installation and training. 10 Other Requirements • All major parts of the instrument (Column oven, Detectors, etc.) should be from the same manufacturer to ensure the software compatibility. • The vendor should issue an undertaking for the availability of spare parts for at least 10 years from the date of a successful installation. • The quotation system should be compatible with free software upgrades. 11. The bidder should state the compliance of quoted equipment specifications with required specifications in the tabular column. The bidder must mention the		HDD with Windows 10 OS or latest,			
 The above accessories are the scope of delivery. Warranty Complete instruments should have a minimum of 3 or more years of comprehensive warranty from the date of installation at IIT Tirupati. Installation and Training Free of cost installation and training. Other Requirements All major parts of the instrument (Column oven, Detectors, etc.) should be from the same manufacturer to ensure the software compatibility. The vendor should issue an undertaking for the availability of spare parts for at least 10 years from the date of a successful installation. The quotation system should be compatibility for spare parts for at least 10 years from the date of a successful installation. The public with free software upgrades. 11. The bidder should state the compliance of quoted equipment specifications with required specifications in the tabular column. The bidder must mention the 		i7 or higher processor and 2 GB			
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		deviations if any in the Annexure VII.			
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ANNEXURE –VIII

COMPANY DETAILS	
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Name of the bidder		
Date of Incorporation /		
PAN Number		
GST Registration Number		
Bidder's Bidding Capacity for the tendered items (As a Manufacturer/ Trader/ dealer / channel partner /		
system integrator, etc.)		
	Account Number	
Bank Details	IFS Code	
	Bank Name	
	Branch Name	
Registered Office Address		
Authorized Signatory Details	Name	
(Company/Firm Authorization	Designation	
by the competent authority, to	Email	
be attached)	Phone	
	Name	
Details of Contact other than	Designation	
Authorized Signatory	Email	
	Phone	

Date:

Place:

Signature and Seal of the Tenderer:

Name in Block Letter:

Designation:

Contact no.

ANNEXURE-IX

Tender	IECKLIST FOR BIDDERS TO BE SUBMITTED IN I			
Clause	Name of the Document	Document Particulars	Submitted (Vac/No)	Page No. of the attached
No.		Falticulars	(Yes/No)	Document
3.1	Tender Fee			Document
3.4	Bid security Declaration (Annexure-II)			
3.3	Valid Tender Fee / EMD Exemption Certificate			
4.1.	PAN Card			
4.1.	Incorporation/Registration certificate of company			
	GST Registration copy			
4.2.(I)	Tender acceptance letter (Annexure I)			
4.2.(I)	Non-Blacklisting undertaking (Annexure III)			
4.2.(II)	The bidder/OEM should have supplied similar system			
<i>ч.2.</i> (III)	during past three financial years i.e. during 2017-18 to			
	2019-20 in India to Central / State Govt/ PSU/ CPSEs/			
	Educational R&D Institutions. Vendor should provide			
	satisfactory installation certificates with product details			
	as proof with customer contacts email and phone			
	number as per the Annexure-IV.			
4.2.(IV)	The Annual Turnover should be at least Rs. 15 Lakhs			
	and be profitable during each of the previous three			
	financial years i.e. during 2017-18 to 2019-20. Audited			
	financial Statements or Financial Statements showing			
	turnover duly signed by a Chartered Accountant are to			
	be submitted as per the Annexure-V.			
	*			
4.2.(V)	In case the bidder is a <u>Class-I / Class-II / Non-Local</u>			
	Supplier in line with the Public Procurement			
	(Preference to Make in India) Order 2017 No. P-			
	45021/2/2017-PP (BE-II) dated 04 Jun 2020 as			
	amended from time to time. A Self-Declaration			
	Certificate regarding "Class-I/Class-II/Non local			
	Supplier" for the tendered items as per the			
	Annexure-V is to be submitted.			
4.2.(VI)	The bidder should be OEM or OEM authorized Dealers			
/	/ Channel partners / Distributors of reputed brand having			
	authorization for sales and after sales support. Valid			
	OEM authorization letter is required to participate in this			
	tender.			
4.2.(VII)	Any bidder from a country which shares a land border			
	with India will be eligible to bid in this tender only if			
	the bidder registered with the competent authority. The			
	concerned bidder(s) are required to attach the relevant valid Registration Certificate along with the bid for			
	consideration.			
4.3	Technical Compliance Statement : Annexure-VII.			
13.1 (I)	Purchase Preference: (if applicable)			
(1)	- menuse recenter (in uppreusie)	L	I	

CHECKLIST FOR BIDDERS TO BE SUBMITTED IN DULY FILLED AND SIGNED

	Micro and Small Enterprises (MSEs):		
13.2 (II)	Purchase Preference: Make in India		
14	Payment Term: Within 30 days after SITC for Indian		
	bidders & 100 % (90+10) through irrevocable letter of		
	credit for foreign bidders.		
15.	Warranty: Minimum 03 Years Comprehensive onsite		
	warranty from the date of successful installation.		
2.10	Spares and service support : Minimum 10 years		
17	Delivery: FOR IIT Tirupati within 8-10weeks.		
10	Bid validity: 120 days from the date of opening of the		
	tender		
	Company details : Annexure-VIII		

Note:

- 1) Submission of tender without the above mentioned documents will lead to rejection/disqualification of the tender.
- 2) It is mandatary for the bidder to assign page numbers to the tender documents and the same has to be mentioned in the above checklist.

Signature of the bidder with stamp