



**Tender Document  
For  
Supply and Installation of HPLC-HPAEC with  
Pulse Amperometric detector**

**CSIR-Central Food Technological Research Institute  
Mysore- 570 020, Karnataka-India  
Tel #: 00 91 821 2515440/5447**

**Email: [cosp@cftri.res.in](mailto:cosp@cftri.res.in)/spo@cftri.res.in/sosp@cftri.res.in**

**Website: [www.cftri.res.in](http://www.cftri.res.in)**



CSIR-Central Food Technological Research Institute  
 Mysore- 570 020, Karnataka-India  
 Tel #: 00 91 821 2515440/5447  
 Email: [cosp@cftri.res.in](mailto:cosp@cftri.res.in)  
 Website: [www.cftri.res.in](http://www.cftri.res.in)

**Invitation for e-Bids / Notice Inviting e-Tender**

CSIR- Central Food Technological Research Institute, Mysore, India is one of the premier institute under the aegis of Council of Scientific and Industrial Research, an autonomous body of Department of Scientific and Industrial Research (Government of India), New Delhi. CSIR-CFTRI is a Science and Knowledge based Research & Development (R&D) Organization. It is internationally known for its excellence in Scientific Research in Food Science & Technology.

The Director, CSIR-CFTRI invites e-bids from the Manufacturers, their distributors and Indian Agent of Foreign Principals, if any, for the procurement of the following Goods/Services for its day-to-day Research & Development (R&D). The Technical specifications, allied requirements and scope of supply are given in Chapter 4 appended here with.

Sr. No.	Tender No.	Brief Description of item(s)	Quantity	Type of Bid	Mode of Procurement
1	CFTRI/52350-A/24-25	HPLC-HPAEC with Pulse Amperometric detector	1 NO	Single Stage Two Bid	Global Tender /GTE

- E-Bids are invited through the electronic tendering process and the Tender Document can be downloaded from the e-Tender Central Public Procurement Portal (CPPP) of Government of India, <https://etenders.gov.in>. The submission of e-Bids will be only through the e-Tender portal <https://etenders.gov.in>. Bids will not be accepted in any other mode.
- Interested Bidders may obtain further information from the office of:
 

Controller of Stores & Purchase  
 Central Food Technological Research Institute  
 Mysore- 570 020, Karnataka-India  
 Tel #: 00 91 821 2515440/5447  
 Email: [cosp@cftri.res.in](mailto:cosp@cftri.res.in)  
 Website: [www.cftri.res.in](http://www.cftri.res.in)
- The prospective bidders should adhere to deadlines specified in Tender corresponding to this Tender on e-Tender portal <https://etenders.gov.in>.
- (a) A Pre-Bid Conference (PBC) will be held as mentioned below

	Date	Time in hours (IST)	Venue
Pre-Bid Conference	N/A		

**Bidders desirous of attending Pre-bid meeting are required to provide the following details:-**

1. **Prospective Bidders Name & address**
2. **Name, designation & mobile number of the representative (s) attending the meeting.**
3. **E-mail ID to which the meeting invitation to be sent.**
4. **Pre bid queries, if any.**

The above information should be sent by e-mail to [cosp@cftri.res.in](mailto:cosp@cftri.res.in) / [spo@cftri.res.in](mailto:spo@cftri.res.in) / [sosp@cftri.res.in](mailto:sosp@cftri.res.in) on or before 2.00pm of 04-12-2024

(b) No Queries, suggestions or representation made after the PBC will be entertained. Changes incorporated to the bidding document subsequent to PBC shall be treated as amendment to the bidding document and will be hosted in the CPP Portal/CFTRI Website [www.cftri.res.in](http://www.cftri.res.in)

(c) The Prospective bidders are requested to take cognizance of the amendments if any, prior to submission of the bid which will be hosted on CSIR-CFTRI Website and CPP Portal before formulating and submitting the bids.

5. The Bid prepared by the Bidder shall include the following:

<b>Bid Security (BS) / Earnest Money Deposit (EMD)</b>	
a)	<p>The amount of Bid Security/EMD shall be</p> <p>(a) In case of Indigenous Bidder: Rs. 3,30,000.00 [Rs. Three Lakh Thirty Thousand Only]</p> <p>(b) In case of Foreign Bidder : USD.3,910 = 00 [USD Three Thousand Nine Hundred Ten Only]</p> <p>The Bid Security/Earnest Money Deposit shall be deposited through Bank Guarantee/Demand Draft/FDR/ Insurance Surety Bonds (ISB) issued by any scheduled bank in India drawn in favour of "The Director, CSIR-CFTRI, Mysore". The original Bid Security/EMD must be delivered to address mentioned at Sl. No.2 above before closure of bid submission date and time as mentioned in "SL.NO -6 failing" which, the bid shall be summarily rejected.</p> <p>For further details, refer Clause No.1.16 of standard Tender document uploaded in CFTRI website</p>
OR	
b)	<p>Bid Security/EMD is NIL if the Bidder is claiming exemption as per provisions specified in the Tender document, the bidder has to furnish/submit BID SECURING DECLARATION as per FORMAT specified in Chapter-8, Annexure-B.</p> <p>The Bid Security Declaration in the name of "The Director, CSIR-Central Food Research Institute, Mysore" to be part of the Technical Bid, without which the bid shall be rejected.</p>
c)	<a href="#">For further details on the above, refer Tender document.</a>
d)	Forms as specified in Chapter No.8

6. The Schedule for Submission of e-Bids and Opening of e-Bids is as follows:

<b>Last Date &amp; Time of Submission of e-Bid</b>		<b>Date and Time of Opening of e-Bid</b>	
Date	Time (IST)	Date	Time (IST)
26-12-2024	14:00 Hrs	27-12-2024	14:30 Hrs

7. (a) In case of agents quoting in offshore procurements, on behalf of their principal manufacturers abroad, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/ dealer. There can be only one bid from the following:

i)	The Principal manufacturer directly or through one Indian agent on their behalf; and
ii)	Indian/foreign agent on behalf of only one principal.

(b) Foreign Bidders must disclose the name and address of Indian agent and representative in India and Indian bidder must disclose their foreign principal or associates.

(c) If bidder is Indian Agent of Foreign Principal, the following instruction shall be complied and as amended from time to time as on the date of issue of Tender:

i)	The Bidder shall comply with restrictions under Rule 144(xi) of the GFR 2017 related to restrictions on participation of Foreign Bidders and their Authorised Indian Agent/Dealer in terms of Order No.P-45021/112/2020-PP(BE-II) (E-43780) dated 24-Aug-2020 of the Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, as amended from time to time as on the date of issue of Order.
----	---

8. **A. CSIR-CFTRI is a Public Funded Research Institute under Department of Scientific & Industrial Research, Government of India and concessional Custom duty @ 0/5.15% is applicable for the goods purchased for Research purpose vide Government of India vide Notification No.51/96–Customs dated 23-July-1996, as amended from time to time.**  
**B. CSIR-CFTRI is not eligible to issue any GST concessional rate certificate. GST @ prevailing rate is applicable. Hence, bidder may submit their bid accordingly.**
9. The bids failing to comply the following clauses will be summarily rejected.
- (a) The bidders proposing to supply finished products directly/indirectly from Bidders of Countries sharing the land border with India should submit copy of registration with the Ministry of Home Affairs and Ministry of External Affairs.
- (b) If the products supplied are not from Bidders of Countries sharing Land border with India, the Bidder should enclose a declaration
- (c) The debarment of a Bidder/Vendor in this tender, if any, is reciprocal of that Principal's Country, if it is Import.
10. Bidders are requested to refer CSIR-CFTRI website [www.cftri.res.in](http://www.cftri.res.in) for Other General Tender's Terms and Condition which are also an integral part of this tender. [Path: Home Page → Tender → Standard Tender Document (Scrolling Text)]
11. The Director, CSIR-CFTRI, Mysore India reserves the right to accept or reject any bid or accept all bids either in part or in full or to split the order, or to annul the bidding process without assigning any reasons there for.

Controller of Stores & Purchase  
For and on behalf of CSIR

## General Instructions to Bidders: -

01. For participation in e-procurement all bidders (including Foreign bidders) need to enroll themselves on the CPP Portal (<https://www.etenders.gov.in>). Only enrolled/registered bidders with the said portal shall be allowed to participate in the e-tendering process.
02. Tender Documents may be downloaded from Central Public Procurement Portal <https://www.etenders.gov.in>. Aspiring Bidders who have not enrolled/ registered in e-procurement should enroll/ register before participating through the website <https://www.etenders.gov.in>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission'.
03. Tenderers can access tender documents on the website (For searching in the NIC site <https://www.etenders.gov.in>, kindly go to Tender Search option, select tender type and select 'Council of Scientific and Industrial Research' in organization tab and select 'CFTRI-Mysore-CSIR' in department type. Thereafter, Click on "Search" button to view all CSIR-CFTRI, Mysore tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <https://www.etenders.gov.in> as per the schedule. The tender document is available on website [www.cftri.res.in](http://www.cftri.res.in) also.
04. The Bidders should have Java 8 update 231 version-32 bit for uploading the bid in the CPP Portal.
05. CSIR-CFTRI neither operates nor manages the CPP Portal where online bids are submitted and therefore will not be responsible for any technical issues related to bid submission (viz., not being able to upload bid, blank/missing/part documents etc.,). If bid is incomplete on account of these, it will be treated as such and evaluated further. For any technical queries/issues related to online bid submission, Bidders must directly approach support service of CPP Portal as per the details given on their website.

## INDEX

Chapter	Content	Chapter
1	Instructions to Bidders	1
2	General and Special Conditions of Contract	2
3	Schedule of Requirement	3
4	Specifications and Allied Technical Details	4
5	Price Schedule Forms	5
6	Qualification Requirements	6
7	Contract Form	7
8	Other Forms	8
9	Check List	9

## CHAPTER - 1

### INSTRUCTIONS TO BIDDERS

For details kindly refer Standard Tender Documents uploaded at CSIR-CFTRI website i.e. [www.cftri.res.in](http://www.cftri.res.in) →Tender

## CHAPTER 2

### CONDITIONS OF CONTRACT

#### A. GENERAL CONDITIONS OF CONTRACT (GCC)

Note: The General Conditions of Contract shall form the part of Purchase Order / Contract.

For details kindly refer Standard Tender Documents uploaded at CSIR-CFTRI website i.e. [www.cftri.res.in](http://www.cftri.res.in) →Tender

#### B. SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

Sl.No.	GCC Clause Ref	Condition
1	GCC 2.1.1(l)	The Purchaser is: The Director  CSIR-Central Food Technological Research Institute Mysore- 570 020, Karnataka-India Tel #: 00 91 821 2515440/5447 Email: <a href="mailto:cosp@cftri.res.in">cosp@cftri.res.in</a> Website: <a href="http://www.cftri.res.in">www.cftri.res.in</a>
2	GCC 2.1.1(m)	The Final Destination is:  CSIR-Central Food Technological Research Institute Mysore- 570 020, Karnataka-India Tel #: 00 91 821 2515440/5447 Email: <a href="mailto:cosp@cftri.res.in">cosp@cftri.res.in</a> Website: <a href="http://www.cftri.res.in">www.cftri.res.in</a>
3	GCC 2.13.1	Performance Security The amount of the Performance Bank Guarantee shall be 5% of the contract value in form of Bank Guarantee(BG) /Demand Draft/Insurance Surety Bonds (ISB)/FDR to be submitted within 21 days from the date of PO/order acceptance valid up to 60 days after the date of completion of performance obligations including warranty.
4	GCC 2.16.3	Delivery - Mode of Transportation/ Shipment a) In case of supplies from within India, the mode of transportation shall be by Road etc., b) In case of supplies from abroad, the mode of transportation shall be by AIR. c) DELIVERY TERM: FOR CSIR-CFTRI, Mysore for Indigenous supply. For imports CIP Bangalore. d) Delivery period 12 Weeks from the date of establishment of L/C or else 90 days in case of supply from within India from the date of acceptance of purchase order

5	GCC 2.17.1	<p>Insurance</p> <p><u>From Abroad</u> The Insurance shall be for an amount equal to 110% of the CIP value of the contract from within “warehouse to warehouse (final destination)” on “all risk basis” including strikes, riots and civil commotion till installation &amp; commissioning at CSIR-CFTRI, Mysore</p> <p><u>Within India</u> The Insurance shall be for an amount equal to 110% of the invoice value of the contract from “warehouse to warehouse (final destination)” on “all risk basis” including strikes, riots and civil commotion till completion of installation and commissioning at CSIR-CFTRI, Mysore</p>
6	GCC 2.21.3	<p>The period of validity of the Warranty for this tender shall be as below:</p> <p>Standard Warranty of minimum 3 years starting from date of satisfactory, installation and acceptance of the equipment.</p>
7	GCC 2.22.1	<p>Payment Terms</p> <p>The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p><b>A Payment for Goods supplied from abroad</b></p> <p>Payment of foreign currency portion shall be made in currency of the Contract by Irrevocable Letter of Credit for 100% value of Purchase Order in the following manner:</p> <p>(a) 90 percent (90%) of the Contract Price of the Goods shipped shall be paid through irrevocable letter of credit opened in favour of the Supplier, upon submission of documentary proof of supply, successful installation, commissioning and satisfactory acceptance by the end user as specified in GCC Clause 2.15</p> <p>(b) 10 percent (10%) of the Contract Price of Goods received shall be paid on completion of successful training to end user claim supported by the acceptance certificate issued by the Purchaser and upon submission of valid Performance Security.</p> <p>(c) The LC for 100% value of the contract shall be established after deducting the agency commission payable if any, to the Indian agent from the FCA/CIP value.</p> <p>(d) <ul style="list-style-type: none"> <li>➤ The L/C will be confirmed at the supplier’s cost, if requested specifically by the supplier.</li> <li>➤ All bank charges abroad shall be to the account of the beneficiary i.e. supplier and all bank charges in India shall be to the account of the purchaser.</li> <li>➤ If L/C is requested to be extended/ reinstated for reasons not attributable to the purchaser, the charges thereof would be to the suppliers’ account.</li> </ul> </p> <p>(e) Payment of local currency portion shall be made in Indian Rupees within thirty (30) days of presentation of invoice supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed.</p> <p><b>B Payment for Goods and Services supplied from India</b></p> <p>(a) I) 100% on bill basis against supply &amp; installation and submission of performance bank guarantee Performance Security to cover warranty obligations + 2 additional months. Issued by any Scheduled Commercial bank in the form of BG/Demand Draft/Bankers’ Cheque/FDR <b>OR</b></p> <p>(b) 100% through Inland Letter of Credit opened in favour of supplier through CSIR-CFTRI Bank (State Bank of India) as follow:</p> <p>I. 90 percent (90%) of the Contract Price of the Goods shipped shall be paid through irrevocable letter of credit opened in favour of the Supplier, upon submission of documentary proof of supply, successful installation, commissioning and satisfactory acceptance by the end user as specified in GCC Clause 2.15</p>

		<p>II 10 percent (10%) of the Contract Price of Goods received shall be paid on completion of successful training to end user claim supported by the acceptance certificate issued by the Purchaser and upon submission of valid Performance Security.</p> <p>(c) E-Payment: All payments, CSIR-CFTRI prefers to make Electronic Transfers (NEFT/RTGS) through scheduled bank</p> <p>(d) All payments due under the Contract shall be paid after deduction of statutory levies at source (like TDS, Income Tax, TCS etc.), wherever applicable.</p>
8	GCC 2.27.1	<p><b>Liquidated Damages (LD)/Penalty</b></p> <p>(a) As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to, otherwise will have to forfeit the EMD/PS and also LD clause will be applicable / enforced.</p> <p>(b) If the Supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay LD/penalty of 0.5% of order value per week of delay in supply/installation subject to maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the Supplier</p> <p>(c) CSIR-CFTRI reserves the right to cancel the Purchase Order in case the delay in supply is more than 10 weeks. Penalties, if any, will be deducted from the EMD/PS</p> <p>(d) The maximum amount of penalty shall be 10%</p> <p>(e) The LD/Penalty shall be levied on the delivered price of the delayed Goods or unperformed Services or Contract Value.</p>
9	GCC 2.34.1	<p>Applicable Law / Jurisdiction</p> <p>The place of jurisdiction is Mysore, India.</p>
10	GCC 2.35.1	<p>For notices, the Purchaser's address is The Director Attention: The Controller of Stores &amp; Purchase CSIR-Central Food Technological Research Institute Mysore- 570 020, Karnataka-India Tel #: 00 91 821 2515440/5447 Email: <a href="mailto:cosp@cftri.res.in">cosp@cftri.res.in</a></p>



### CHAPTER 3

(To be filled by the bidder and enclosed with the Technical Bid)

#### SCHEDULE OF REQUIREMENT

The Schedule of Requirement must clearly specify the time frame required (Schedule) for delivery of goods and services to be completed by the bidder (in reference to Scope of Supply given in Clause-4.2 of Chapter-4) if the Contract is awarded for the offer / proposal submitted by the bidder in response to this Tender.

**A) Delivery Schedule:**

Sr. No.	Brief Description of Goods and Services	Quantity & Unit	Delivery Schedule
1	HPLC-HPAEC with Pulse Amperometric detector	1 No	

**B) Period of delivery shall start from** : \_\_\_\_\_

**C) Term of Delivery / Delivery Term (named port of shipment or named place of delivery):**

Goods from Abroad	
Goods from India	

**D) Scope of Supply:**

-----  
-----

**E) Time frame required for conducting installation, commissioning of the equipment, acceptance test, training, etc. after the arrival of consignment or before dispatch of equipment:**

Sr. No.	Activity	Time Frame
1	Site Preparation (if required)	
2	Installation & Commissioning	
3	Acceptance Test	
4	Training (Location, No. of persons, period of training, nature of training)	
5		

Place : \_\_\_\_\_

Signature of the Bidder : \_\_\_\_\_

Date : \_\_\_\_\_

**Notes for Bidders:**

(1)	The delivery schedule shall clearly indicate the time period within which the successful bidder must deliver the consignment in full from the date of establishment of LC or from the date of contract etc. It should also indicate separately the time period desired for installation and commissioning of the equipment after arrival of the consignment at the premises of the Purchaser.
(2)	The date or period for delivery should be carefully specified, taking into account the implications of delivery terms stipulated in the Instructions to Bidders pursuant to the Incoterms rules (i.e., FCA/CIP terms—that “delivery” takes place when goods are delivered to the carriers), and the date prescribed herein from which the delivery obligations start (i.e., notice of award, contract signature, opening or confirmation of the letter of credit).

## Chapter 4

### 4.2 Specifications and Allied Technical Details for Supply, Installation and Commissioning of HPLC-HPAEC with Pulse Amperometric detector

#### 4.1 End Use: Research and Development

#### 4.3 Detailed Technical Specifications for HPLC-HPAEC with Pulse Amperometric detector

### Revised specifications as per the Pre Bid meeting

(Modified specifications are highlighted in bold and underlined)

Sl. No	Component	Specification
1	General Features	<p>HPLC with pulse amperometric detector or equivalent working on ion chromatography (IC) principle for qualitative and quantitative analysis of carbohydrates</p> <p>System should be designed and manufactured under suitable ISO standards. The multi-functional data system should be based on the Microsoft Windows operating system for instrument control, data acquisition, and data analysis.</p>
2	Core Specifications	<p>Ion Chromatography system: Gradient - compatibility with mobile phases <b><u>(suitable eluent for anions and Cations with the pH range 0-14)</u></b> with self-regenerating suppressors for both anions and cations, columns for quantitative analysis of monosaccharides, disaccharides, oligosaccharides, their isomers and derivatives, and polysaccharides with fully system control software.</p>
3	Pump	<p>Dual Pump with online degassing and isokinetic precompression without pulse dampening: Nonmetallic PEEK (polyether ether ketone) base compatible for 0-14 pH &amp; Reverse Phase compatibility for 4 solvents gradient as per the following specification.</p> <p>The pumps must support an unlimited number of linear, convex, and concave eluent gradient profiles with gradient proportionating accuracy <math>\pm 0.5\%</math>.</p> <p><b><i>Pressure Range: 0 to 40 MPa</i></b> <b><i>Flow Rate Range: 0.01–10.000 mL/min</i></b> with settable flow increments at 0.001 mL/min (Analytical) <b><i>Flow Precision: <math>\leq 0.1\%</math></i></b> <b><i>Flow Accuracy: <math>\leq 0.1\%</math></i></b> <b><i>Pressure Ripple: <math>\leq 1\%</math></i></b> <b><i>Vacuum Degasser</i></b> 4 channel for quaternary pump <b><i>Piston Seal Wash</i></b>: Standard, automatic operation</p>

		<p><b>Gradient Profiles:</b> Any combination of an unlimited number of linear, convex, and concave positive and negative gradient profiles</p> <p>Suitable eluent bottles and organizer/tray with necessary accessories to be provided (2 sets)</p> <p>Should be provided with suitable waste collection containers</p> <p>The pump/s should be operated from system software and have the option to create user-selectable programs, power failure protection, and standard features for monitoring various parameters. It should have a leak detection sensor.</p> <p><b>Flow Path:</b> All polymeric (PEEK) to withstand a pH range of 0-14</p>
4	Columns	<p>The column set must be comprised of a nonmetallic body and an inert packing material capable of withstanding up to 4000-6000 psi and have pH stability of 0-14 and RP solvent.</p> <p>The system should be supplied with the following columns along with the default column <b><u>like C18 (4.6 x 100 mm)</u></b></p> <p>The system should be supplied along with the analytical column (1. Nos. 4 x 250 mm) and a suitable guard column for the separation and quantitative analysis of monosaccharides, oligosaccharides, and their isomers and derivatives. Suitable tubings and connectors should be provided.</p> <p>The system should be supplied along with the analytical column (1. Nos. 4 x 250 mm) and a suitable guard column for the separation and quantitative analysis of polysaccharides. Suitable tubings and connectors should be provided.</p> <p>The system should be supplied along with the semipreparative column (1. Nos. 9 x 250 mm or higher) and a suitable guard column for the separation and analysis of oligosaccharides and polysaccharides. Suitable tubings and connectors should be provided.</p> <p>Columns should be compatible with the electrochemical detector and should have high resolution for carbohydrate analysis with operating temperatures up to 60 °C.</p>
5	Detector specification	<p><b>1. ED Electrochemical Detector</b></p>

		<ul style="list-style-type: none"> <li>• Integrated pulse amperometry-based detection. Modes 3D Amperometry (similar like PDA-3D data) DC Amperometry</li> <li>• Electronic Type: Microprocessor-controlled digital signal processing</li> <li>• Detection Types: Single <u>or</u> dual electrochemical detection.</li> <li>• Noise: Amperometry Electronics DC amperometry: &lt;1pA at lowest range Integrated amperometry: 10 pC</li> <li>• Potential Range: -2.00 V to 2.00 V in 0.001 V increment.</li> <li>• Signal Range: Digital and Analog</li> <li>• DC amperometry: 0.00008 pA to 74 uA</li> <li>• Integrated amperometry: 0.0008 pC to 200 uC</li> <li>• Electronic Noise: DC &lt;5 pA IPAD&lt; 30 pC</li> <li>• Cell Body: Titanium body with narrow-bore PEEK inlet tubing for capillary format, titanium inlet tubing for analytical format.</li> </ul> <p>Compatible with 0.2–0.6 mm i.d. columns (PEEK inlet), 2–7 mm i.d. columns (Ti inlet)</p> <ul style="list-style-type: none"> <li>• Working Electrode (interchangeable): Gold, glassy carbon, platinum, silver</li> <li>• Reference Electrode: pH-Ag/AgCl combination.</li> <li>• Autoranging: Autoranging digital amperometry signal with suitable software.</li> <li>• Cell Volume at Working Electrode: &lt;0.2 µL</li> </ul> <p>Maximum Operating Pressure: 0.7MPa (100 psi)</p> <p>The detector should be provided with an additional electrochemical detector cell (2 Nos.), suitable electrode Glassy, AgCl (2 Nos.), additional Au, GSKT (4 Nos.) and suitable OQ/PQ, KIT (1 Nos.)</p> <p><b>2. UV-VIS Detector <u>or</u> PDA</b></p> <p>Optical System: Dual-beam optic design  Monochromator single wavelength UV-Vis detector  Wavelength Range: 190-900 nm in 1 nm increments  Rise time: 00.00-4.55 s  Wavelength Accuracy: ± 1 nm  Bandwidth: 6 nm  Noise: Typically &lt;± 2.5 mAU at 254 nm  Drift : &lt; 0.1 mAU/h  Cell Path Length: 10 mm  Cell Volume: 10-11 µL</p> <p>The detector should be provided with an additional Flowcell (1 Nos.)</p>
6	Autosampler	<p>Sample Capacity: <b><u>96 x 1.5 mL or better</u></b>  Vial Size: 1.5 mL septum vials  Injection per vial: 1 to 99</p>

		<p>on Precision: Fixed loop, &lt;0.3% Relative Standard Deviation (RSD) at 20 µL or greater Variable, &lt;0.5% RSD at 20 µL</p> <p>n Precision: &lt;1.0% RSD for a 1:10 dilution</p> <p>sing Precision: &lt;0.2% RSD by weighing Carryover &lt;0.01% with 500 µL flush volume</p> <p>Range: 4 to 60 deg.</p> <p>on of needle mode flow should be available</p> <p>mpler should be supplied with the compatible vials with septum (500 Nos. x 2)</p> <p>mpler should be provided with suitable trays (2 Nos. each) for analytical and semiprep samples.</p> <p>n should be compatible with the manual injection of samples with appropriate syringes for analytical and semiprep to be provided (5 Nos.). <b><u>Hamilton glass-tight syringes, 25 (2 Nos), 50, 100, and 250 µL</u></b></p> <p>tosampler should be connected to the main control unit. The inputs to the autosampler and the data acquisition should be included with the main software for running the system. Leak detection sensor may be made available.</p> <p>nal sample loops for analytical and semipreparative operations need to be provided (40 µL, 250 µL, 1000 µL) 2 Nos. each <b><u>along with glass syringes and needles suitable for manual injections.</u></b></p> <p>e maintenance kits (including tubes, ferules, nuts-bolts etc.) should be provided</p>
7	Desalting unit	<p>Online desalting unit with below features:</p> <p>Should include a suitable pressurizable regenerate reservoir, pressure regulator, and all tubing and fittings.</p> <p>Suitable installation kit should be provided. Suitable for analytical and semi-preparative applications</p>
8	Software	<p>a. Chromatography software to control the complete IC system, data acquisition, processing &amp; reporting, etc. The software must be able to provide fully automatic control of the process of analyzing samples. This must include acquiring data, quantitation, producing a report, and the options to upgrade to an incorporated Excel-like spreadsheet for report flexibility.</p>

		<p>b. The software must be able to automate integration updates without time-consuming batch reprocessing of changes to integration in a data set. The software must have an option to predict column separations without additional experiments.</p> <p>c. Suitable computer system with software compatible with Windows OS (10 or above) for processing data. A <b>laserjet</b> printer for recording reports should be provided.</p> <p>CPU should be imported (HP/DELL) with core i7 or better processor, <b>16 GB RAM or better</b>, 512 MB SSD, 1 TB HD, licensed version of Windows 10 or above, <b>Microsoft Office</b></p>
9	Power supply requirement	The instrument should be provided with an online UPS ( <b>≥ 3KV</b> ) with a backup of 1 hour
10	Installation	<p>All required service accessories/consumables kits along with communication cables, firmware, device drivers. etc., are to be supplied by the vendor.</p> <p>Installation and commissioning of the instrument should be carried out at the site.</p> <p>On-site training for the operation of the hardware and software systems should be included.</p>
11	Warranty	Minimum 3 years warranty on <b>the whole system</b> from the date of successful installation

**4.4 Scope of Supply and incidental works: Scope of Supply includes the following:**

- I. Supply of the equipment / system along with the accessories.
- II. Installation, Commissioning and Acceptance by the end user
- III. Training as specified in tender
- IV. On site comprehensive Warranty as specified in SCC
- V. Annual Maintenance Contract / Maintenance Support as specified in BoQ
- VI. Delivery Schedule as specified in SCC

**4.4.2 Manufacturer's Inspection Certificate**

After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's facility by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications. Manufacturer's test certificate with data sheet shall be issued to this effect and submitted along with the delivery documents. The purchaser reserves the options to be present at the supplier's premises during such inspection and testing.

**4.4.3 Installation, Commissioning and Acceptance Test**

The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at Purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the satisfaction of the Purchaser, the successful completion of the test specified.

On the event of the ordered item failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which, the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser.

Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier.

The acceptance tests at the final destination include the following:

a)	
b)	

**4.5 Training**

1)	Location	
2)	Number of persons	
3)	Period of Training	
4)	Nature of Training	

## CHAPTER-5

### Price Schedule forms

Bidder Should quote as per the BOQ Format Only as uploaded in <https://etenders.gov.in> along with Tender documents

CSIR-CFTRI is a Public Funded Research Institute under Department of Scientific & Industrial Research, Government of India and concessional Custom duty @ 0/5.15% is applicable for the goods purchased for Research purpose vide Government of India vide Notification No.51/96–Customs dated 23-July-1996, as amended from time to time.

CSIR-CFTRI is not eligible to issue any GST concessional rate certificate. Hence, bidder may submit their bid accordingly.

## CHAPTER-6

### Qualification Requirements

#### 6.1 Eligibility Criteria

a) Legal Valid Entity:

The Bidder shall necessarily be a legally valid entity either in the form of a Limited Company or a Private Limited Company registered under the Indian Companies Act, 1956 or as per rules prevailing in the country of origin/shipment

Bidder may be Joint Venture, Consortium or Association so long as they are formed and registered prior to the bid submission date.

Copy of Certificate of Incorporation issued by Registrar of firms/companies is to be submitted in support of this criterion or as per rules prevailing in the country of origin/shipment

b) In case of Global Tender Enquiry, Indian Agent quoting on behalf of Foreign Principal Supplier should submit a certified copy of an Agreement/Memorandum of understanding (MOU) between both the parties, detailing services to be rendered by the Agency.

c) An undertaking (self-certificate) is to be submitted to demonstrate that the bidder satisfies the bidders' eligibility criteria, as mentioned in ITB Clause 1.1.2 in the form of declaration by the Bidder for Code of Integrity & conflict of interest as per **Chapter-8: Annexure-H**.

d) Declaration by the bidder on letter head that he has not been disqualified or black listed or suspended by any other lab of CSIR or any other Govt. Organization/Govt. of India establishment or suspended by CPPP or GEM portals, in the past 24 months.

#### 6.2 Technical Qualification Criteria

##### Criteria 1 - Experience and Past Performance:

- a) The bidder (manufacturer or principal of authorised representative – hereinafter referred simply as 'The Bidder') should have regularly for at least the last 3 years, ending 31st March of the previous financial year (hereinafter called 'The relevant Date'), manufactured and supplied (erected/commissioned HPLC-HPAEC with same or higher specifications (herein after called 'The Product') to Government/ R&D units/NABL accredited laboratories where similar instruments have been supplied in India, including contact details (name of the person-in-charge, email, and phone number), should be provided. The quoted model's three performance certificates in reputed institutions in India should be enclosed duly signed and stamped by the concerned end user. The bidder should submit the manufacturer authorisation form as appended in Chapter-8 and
- b) 'The bidder' should have manufactured and supplied (erected/commissioned) at least **Three** numbers (herein after referred as 'The Qualifying Quantity') of 'The Product' in at least one of the last three years ending on 'The relevant Date'.



**Criteria 2 - Capability- Equipment & manufacturing Facilities: NA**

'The bidder' must have an annual capacity to manufacture and supply (/erected/ commissioned) at least NA (The Qualifying Quantity)

Note: In case of multiple products in a tender, this criterion shall be applicable product wise. For example, in case of Printing Paper of different specifications/sizes, it shall be applicable to quantity of paper manufactured and supplied specification/size wise.

**6.3 Financial Qualification Criteria -NA**

- a) The average annual financial turnover of 'The bidder' during the last three years, ending on 'The relevant Date', should be at ₹.....NA..... as per the annual report (audited balance sheet and profit & loss account) of the relevant period.
- b) A copy of the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/Cost Accountant in India or equivalent in relevant countries, is to be submitted in support of this criterion. NA
- c) The net worth of the Bidder firm (manufacturer or principal of authorized representative) should not be negative on 'The Relevant Date' and also ii) should have not eroded by more than 30% (thirty percent) in the last three years, ending on 'The Relevant Date' (31-03-2023). Self-declaration on letterhead of the company to be provided in support of this. (Documentary evidence or supporting document).

**Note:** In case of Indian Bidders/companies (manufacturer or principal of authorized representative) who have been restructured by Banks in India, under the statutory guidelines, they would be deemed to have qualified the Financial standing criteria considering the institutional financial backing available to them.

**Applicability in Special Cases:**

- a) **Applicability to 'Make in India':**  
Bidders (manufacturer or principal of authorised representative) who have a valid/approved ongoing 'Make in India' agreement/ program and who while meeting all other criteria above, except for any or more of sub-criteria in Experience and Past Performance above, would also be considered to be qualified provided:

i)	their foreign 'Make-in-India' associates meet all the criteria above without exemption, and
ii)	the Bidder submits appropriate documentary proof for a valid/approved ongoing 'Make in India' agreement/program.
iii)	the bidder (manufacturer or principal of authorised representative) furnishes along with the bid a legally enforceable undertaking jointly executed by themselves and such foreign Manufacturer for satisfactory manufacturing, Supply (and erection, commissioning if applicable) and performance of 'The Product' offered including all warranty obligations as per the general and special conditions of contract.

- b) **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 in the prescribed form 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 same or other 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 'Product' for past three years ending on 'The Relevant Date'.

c) **Joint Ventures and Holding Companies:**

Credentials of the partners of Joint ventures cannot be clubbed for the purpose of compliance of PQC in supply of Goods/Equipment, and each partner must comply with all the PQC criteria independently. However, for the purpose of qualifying the Financial Standing Criteria, the Financial Standing credentials of a Holding Company can be clubbed with only one of the fully owned subsidiary bidding company, with appropriate legal documents proving such ownership.

**Note for Bidders:**

- a) 'Doctrine of Substantial Compliance':  
The Pre-Qualification Bidding (PQB) and Pre- Qualification Criteria (PQC) are for shortlisting of sources who are competent to perform this contract to ensure best value for money from expenditure of Public Money. This process is neither intended to bestow any entitlement upon nor to create any rights or privileges for the Bidders, by way of overly hair-splitting or viciously legalistic interpretations of these criteria, disregarding the very rationale of the PQB and PQC. Keeping this caveat in view, interpretation by the Purchaser would be based on common usage of terminologies and phrases in public procurement in accordance with the 'Doctrine of Substantial Compliance' and would be final.
- b) The Bidder must declare, whether asked or not in a bid document, any previous transgressions of such a code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity. Failure to do so would amount to violation of this code of integrity.
- c) In case of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/ dealer. There can be only one bid from the following:

i)	The Principal manufacturer directly or through one Indian agent on his behalf; and
ii)	Indian/foreign agent on behalf of only one principal.

- d) Along with all the necessary documents/certificates required as per the tender conditions, the bidder should furnish a brief write-up, backed with adequate data, explaining their available capacity (both technical and financial), for manufacture and supply of the required goods/equipment, within the specified time of completion, after meeting all their current commitments.
- e) Supporting documents submitted by the bidder must be certified as follows:

i)	All copy of supply/work order; respective completion certificate and contact details of clients; documents issued by the relevant Industries Department/National Small Industries Corporation (NSIC)/ manufacturing license; annual report, etc., in support of experience, past performance and capacity/capability should be authenticated by the by the person authorised to sign the tender on behalf of the bidder. Original Documents must be submitted for inspection, if so demanded.
ii)	All financial standing data should be certified by certified accountants, for example, Chartered Accountants/Cost Accountants or equivalent in relevant countries; and Indian bidder or Indian counterparts of foreign bidders should furnish their Permanent Account Number.

- f) A bidder or any of its affiliates who participated as a consultant in the preparation of the design or technical specifications of the contract i.e. the subject of the bid; cannot participate in the bidding process.
- g) Indian agents quoting on behalf of its foreign principal need to submit a copy of the agency agreement with the foreign principal detailing the services to be rendered by them on behalf of the principals, failing which the bid shall not be considered.
- (h) Foreign bidders to disclose the name and address of agent and representatives in India and Indian bidder to disclose their foreign principal or associates.

## CHAPTER 7

### Contract Form

For details kindly refer Standard Tender Documents uploaded at CSIR-CFTRI website i.e. [www.cftri.res.in](http://www.cftri.res.in) →Tender

## CHAPTER 8

### Other Standard Forms (To be enclosed as indicated below)

#### TABLE OF CONTENTS

Sl. No.	Name	Annexure
1	Bid Security Form (to be enclosed with the technical bid)	A
2	Bid Securing Declaration. (to be enclosed with the technical bid)	B
3	Bidder Information Form (to be enclosed with the technical bid)	C
4	Bid Form	D
5	Manufacturers' Authorization Form (to be enclosed with the technical bid)	E
6	Performance Statement Form (to be enclosed with the technical bid)	F
7	Service Support Detail Form (to be enclosed with the technical bid)	G
8	Format of declaration of abiding by the code of integrity and conflict of interest to be submitted by the bidder (to be enclosed with the technical bid)	H
9	Certificate of local content with percentage	I & J
10	Self-Certification ( to be enclosed with technical bid)	L
11	Deviation Statement Form (to be enclosed with the technical bid)	M
12	Performance Security Form (to be submitted on award of Contract)	N
13	Acceptance Certificate Form (to be submitted on award of Contract)	O
14	Check List	

Note: Please refer clause 1.10.1 of the bidding documents for other documents to be attached with the bids/offers

For details kindly refer Standard Tender Documents uploaded at CSIR-CFTRI website i.e. [www.cftri.res.in](http://www.cftri.res.in)→Tender

The Terms and conditions of Standard Tender Documents uploaded at CSIR-CFTRI website i.e. [www.cftri.res.in](http://www.cftri.res.in)→Tender is integral part of this tender.

**CHAPTER-9**

**Check List**

<b>Tender No.</b>	<b>CFTRI/52350-A/24-25</b>	
<b>Sr. No.</b>		
<b>1</b>	<b>Approximate weight &amp; dimension of the Consignment</b>	<b>Approximate dimensions of the consignment</b>
<b>2</b>	<b>Indian Customs Tariff No. and HSN No. (ICT &amp; HSN No.)</b>	
<b>3</b>	<b>Country of Origin</b>	
<b>4</b>	<b>Type of Supplier</b>	
<b>5</b>	<b>Mode of Shipment By Air /Road</b>	
<b>6</b>	<b>Delivery Term (INCO Term), as the case may be if supplied from abroad</b>	
<b>7</b>	<b>Delivery Schedule including Supply, Installation, Commissioning, Training &amp; Acceptance</b>	
<b>a)</b>	<b>Delivery of the Item as per Chapter-4/BoQ [In weeks / Days / Months] from the date of PO/ establishment of LC</b>	
<b>b)</b>	<b>Installation &amp; Commissioning from the date of Delivery of item [In weeks/Days/Months]</b>	
<b>c)</b>	<b>Training from the date of Installation &amp; Commissioning of item [In weeks/Days/Months]</b>	
<b>d)</b>	<b>Acceptance from the date of Training [In weeks/Days/Months]</b>	
<b>8</b>	<b>Installation &amp; Commissioning (if any) Quoted Price inclusive</b>	<b>Yes/No</b>
<b>9</b>	<b>Training (if any) Quoted Price inclusive</b>	<b>Yes/No</b>

10	Payment Term	
11	Currency of Bid/Quotation	
12	Statutory Levies [GST/IGST or any other taxes, duties] % of tax to be mentioned.	
13	Bidder GST No.	
14	Bidder Bank Details along with Cancelled cheque	
15	Insurance Coverage as per GCC/SCC Clause No.2.17.1	
16	Warranty	
17	Agree to submit Performance Security as per GCC/SCC Clause No.2.13.1	
18	Validity of offer as per Tender document	
19	Order to be placed [Full address, Tel #, Fax #, Email Id, Contact Person]	
20	Any other	
21	Total Price quoted as per BoQ/Price Schedule/List of Deliverables inclusive of tax	Yes/No (Price not to be revealed)
22	Self-declaration (Annexure-L), if country of Origin is Foreign, Bidders may provide the details, as per GOIProcurement Policies (DIPP Order No.P-45021/2/2017-PP (BE-II).	
Note:	Unit Price indicating CIP (named place of delivery)	