



**Tender Document  
For  
Supply, Installation and Commissioning of  
Inductively Coupled Plasma Mass  
Spectrophotometer(ICP-MS) with HPLC**

**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)/spos@cftri.res.in/sosp@cftri.res.in**

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



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**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/52334/2022-23	Inductively Coupled Plasma Mass Spectrophotometer (ICP-MS) with HPLC	1 Set	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 form.
- 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	Pre Bid Conference is scheduled on 14-June-2023 at 11.00am at CSIR-CFTRI, Mysore (By person/Online)		

<p>Bidders desirous of attending Pre-bid meeting are required to provide the following details: -</p> <ol style="list-style-type: none"> <li>1. Prospective Bidders Name &amp; address</li> <li>2. Name, designation &amp; mobile number of the representative (s) attending the meeting.</li> <li>3. E-mail ID to which the meeting invitation to be sent.</li> <li>4. Pre-bid queries, if any.</li> </ol> <p>The above information should be sent by e-mail to <a href="mailto:cosp@cftri.res.in">cosp@cftri.res.in</a> / <a href="mailto:spo@cftri.res.in">spo@cftri.res.in</a> / <a href="mailto:sosp@cftri.res.in">sosp@cftri.res.in</a> on or before 2.00pm of 13-06-2023</p>
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(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. 300000.00 [Rs. Three Lakhs Only ]</p> <p>(b) In case of Foreign Bidder : USD 3615.00 [USD Three Thousand Six Hundred and Fifteen Only]</p> <p>The Bid Security/Earnest Money Deposit shall be deposited through Bank Guarantee/Demand Draft/FDR 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 "Date Sheet" failing which the bid shall be summarily rejected.</p> <p>For further details, refer Clause No.1.16 of this Tender document</p>
<b>OR</b>	
b)	<p>Bid Security/EMD is <u>NIL</u> 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)
<b>06-07-2023</b>	<b>14:00 Hrs</b>	<b>07-07-2023</b>	<b>14:30 Hrs</b>

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.
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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.

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## 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 10% of the contract value 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 obligations.
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-FCA International exit airport/CIP- Bangalore International Airport d) Delivery period 12 weeks from the date of establishment of L/C

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.</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.</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 12 months (for ICPMS, HPLC, Microwave digester, water purification unit) starting from date of satisfactory, installation and acceptance of the equipment. UPS including SMF batteries should have minimum 2 years warranty from date of satisfactory commissioning of the system for 60 minutes backup at full load conditions.</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</b> Payment for Goods supplied from abroad</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</b> Payment for Goods and Services supplied from India</p> <p>(a) I) 90% of the contract price shall be paid on Delivery of the Goods, Installation &amp; commissioning, Demonstration and satisfactory acceptance of the items &amp; upon submission of the documents specified in GCC/SCC and the acceptance certificate issued by the End User, II) balance 10% against completion of training and submission of 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>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>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>
		(c) E-Payment: All payments, CSIR-CFTRI prefers to make Electronic Transfers (NEFT/RTGS) through scheduled bank
		(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.
8	GCC 2.27.1	<b>Liquidated Damages (LD)/Penalty</b>
		(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.
		(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
		(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
		(d) The maximum amount of penalty shall be 10%
		(e) The LD/Penalty shall be levied on the delivered price of the delayed Goods or unperformed Services or Contract Value.
9	GCC 2.34.1	<p><b>Applicable Law / Jurisdiction</b></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</p> <p>Attention: The Controller of Stores &amp; Purchase</p> <p>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	Supply, Installation and Commissioning of Inductively Coupled Plasma Mass Spectrophotometer	1 Set	

**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:**

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**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

### Specifications and Allied Technical Details for Supply, Installation and Commissioning of Inductively Coupled Plasma Mass Spectrophotometer with HPLC

#### 4.1 End Use: Research and Development

#### 4.2 Detailed Technical Specifications for ICP-MS with HPLC

Sl.No	ICP-MS with HPLC Specification
1	
	<b>Nebulizer:</b> Concentric Micro mist Nebulizer with low sample flow rate
	<b>Spray Chamber:</b> Software controlled Peltier cooled spray chamber with range - 5 °C to + 20 °C or more.
	<b>Peristaltic pump:</b> Low pulsation high precision peristaltic pump with minimum of three separate channels and 10 or more roller, which can be controlled through the software.
2	
	RF Power range: 600 W to 1600 W
	Radio Frequency Generator (Solid State): 27 or 40 MHz Impedance Matching: Auto-tuning to get maximum coupling efficiency.
	<b>Torch:</b> Easy mountable single piece quartz torch with shield/or suitable mechanism.
	Torch movement should allow for complete computer-control and auto tunable in x-y-z directions with independent movements in the three directions.
	Provision for Auto-alignment of the torch after routine maintenance with a reproducibility better than 0.1 mm in x-y-z directions
	<b>Plasma Gas Control:</b> Should have at least 3 Mass Flow Controllers (AMFC) or equivalent PC Controller for control plasma, auxiliary makeup, carrier gases. Gases used should be controlled with mass flow controller and Fully computer controlled.
	Argon gas dilutor or equivalent technology must be quoted along with the main instrument.
3	<b>Ion Extraction Interface</b>
	The system should have standard sample and skimmer cones with suitable orifice diameters to suit all application and to prevent clogging and minimize signal drift. It should be easily mountable and dismountable.
	Scope of supply of standard (Nickel) and optional (Platinum) cones should be clearly specified (for any alternate material, bidder would need to prove sensitivity)
	Lens/ extraction cones or equivalent should be easy to maintain.
4	<b>Ion Focusing System</b>

	<p>Ion focusing system with efficient mechanism for removing all neutrals and photons from the Ion path.</p>
	<p>Cell offering three modes of operation: Standard Mode, Collision Cell Mode and Reaction Cell Mode</p>
	<p>Switching of reaction and collision gases will be through software and automated. Unit will have the flexibility of applying both (collision, and reaction) gases using single method for removal of interferences. Mass Cut off (low and high) facility or equivalent technology should be there to remove unwanted polyatomic interferences formed due to free atoms.</p>
	<p>The unit should have two separate gas channels one for Collision mode and one for Reaction mode.</p>
	<p>A reaction cell should be provided for polyatomic interference removal with Helium mode, Hydrogen mode and reaction mode using Oxygen, etc. Separate AMFCs controllers for the precise control of variable gas flow rate for Reaction cell gases.</p>
	<p>Vendor should attach application notes for Arsenic analysis as per FSSR/ any other Food National or International regulation, demonstration successful analysis As by either collision mode or mass shift reaction mode to remove ArCl interference.</p>
	<p>Reaction cell assembly and quadrupole/octopole/hexapole assembly (if requires cleaning any time in lifetime) should be quoted.</p>
5	<p><b>Quadrupole Assembly</b></p>
	<p>Quadrupole Mass Analyzer: A quadrupole mass analyzer to provide effective ion transmission, superior resolution and abundance sensitivity.</p>
	<p>Mass range: 2-260 amu or above</p>
	<p>RF Frequency : Fully Digital RF generator with frequency 2-3 MHz</p>
	<p>Abundance sensitivity:  Low Mass Side: <math>\leq 5 \times 10^{-6}</math>  High Mass side: <math>\leq 1 \times 10^{-7}</math> or 0.5 ppm</p>
	<p>Scan Speed: &gt; 3000 amu/s  Mass stability: <math>\leq \pm 0.05</math> amu over 8 hours of continuous operation.</p>
	<p>Resolution: Variable from 0.3 u to 1.0 u or better, user definable</p>
6	<p><b>Ion Detector Assembly</b></p>
	<p>Solid State dual stage dynode discrete over <math>\geq 9</math> orders of magnitude of linear dynamic range.</p>
	<p>Should be unique log amplifier circuit, features a high-speed analog mode for transient signals and a true nine orders dynamic range.</p>

	Minimum dwell time / integration time of 100 $\mu$ s (in both pulse count and analog modes).
	Dual-stage detector assembly should come as a standard with the system.
7	<b>Vacuum System</b>
	Efficient Vacuum system with turbo molecular pump and single external rotary pump for fast pump down and simple maintenance.
	In the event of vacuum failure, the entire vacuum system is to be automatically back-filled by inert gas to preserve the cleanliness of the system or an alternate system.
8	<b>Performance Specifications</b>
	Should be able to analyze Sn, Ni, Cu, Zn, Ba, Sb, Ni, B, Ag, Mg, Ca, Na, As, Cd, Cr, Hg, Pb, Se, Fe (but not limited to these elements) at a concentration of 0.05 ppb with RSD of < 5% at standard conditions.
	Oxide ratio (%) CeO/Ce < 3 %
	Double charged ratio < 3 %
	Isotope-ratio Precision: 1%RSD
	Sensitivity Li (7) /Be (9): $\geq 6$ Mcps/ppm In (115) /Y (89): $\geq 90$ Mcps/ppm U (238) /Th (205): $\geq 70$ Mcps/ppm
9	<b>Water Chiller</b>
	The system should have a suitable re-circulating chiller.
10	<b>Auto Sampler</b>
	Highly effective auto sampler compatible with operation along with ICP-MS without user intervention.
	Auto sampler with minimum 200 vials holding capacity with 500 nos. of 15 ml capacity tubes (as consumable) to be provided.
	Programmable complete with inert PTFE coated probe with PTFE inner tubing for auto sampler to be supplied.
	All accessories, racks, bottles, tubing assembly, waste container, dust cover etc.
11	<b>System Controller and Operating System</b>
	Software control for automatic data acquisition and processing.
	Mass spectrometer tuning and calibration auto and manual
	Data Validation (IQ/OQ/PQ for Software)
	Self-diagnostics
	Multi element analysis capability Isotope ratio and dilution
	Cold Plasma or other facility to eliminate polyatomic interferences.
	Remote diagnostics
	Software should control plasma, MS and other accessories like auto sampler

	<p>The system software should support the following calibration curve fit modes for Quantitative analysis:</p> <ul style="list-style-type: none"> <li>i). Linear least squares.</li> <li>ii). Weighted linear least Squares</li> <li>iii). Linear forced-through-zero least squares.</li> <li>iv). Quantitative analysis including external calibration, additions calibrations, method of standard additions, isotope ratios and isotope dilution's and semi quantitative analysis.</li> <li>v). On-line help with quick steps to reference entire instrument user manual.</li> </ul> <p><b>Licensed software compatible to windows 11 OS (or downgraded to windows 10) to be provided with additional licenses with lifetime validity should be provided. As and when, there is a change in software upgradation it has to be provided without any additional charges.</b></p>
12	<b>Speciation Studies &amp; Methyl Mercury Unit</b>
	The system /unit model should have the provision to attach HPLC to perform Speciation studies.
	The speciation kit should have all necessary accessories to connect HPLC along with the software to operate.
	A Complete kit to analyze Arsenic, Chromium, Methyl Mercury should be included.
	Necessary accessories for the analysis of Arsenic, Chromium, Methyl Mercury should be included.
12a	<b>HPLC Pump Module</b>
	<b>Bio Inert HPLC Pump with Quaternary pump with completely inert and metal-free fluid path for lower detection limits and better accuracy.</b>
	Suitable mechanism has to be present to avoid salt build-up behind the pump seal, increasing seal lifetimes and reducing pump maintenance.
	Pump should have suitable mechanism to ensure that pulsations are kept to a minimum and that quiet baselines can be achieved. Built-in backpressure compensation should be there.
	Flow rate range: 0.01 to 5.0 mL/min or more
	Pressure Range: 0 to 8,000 psi or better for entire flow rate range
	Flow precision 0.5% RSD or better
	Flow accuracy $\pm 2.0\%$ or better
	➤ <b>Column Oven:</b>
	Operating temperature range ambient + 10°C to 90°C or better with 1°C increment.
	Temperature accuracy < 0.1°C
	Temperature stability < 0.1°C

	Temperature repeatability < 0.1 °C
	Temperature gradient < 0.2 °C
	Oven temperature change: 10 °C/min from 40 to 60 °C or better
	Time programmable temperature change Maximum of 10 programmable steps
	Programmable temperature ramp 0.1 to 5 °C/min or better
	Working environment: 5-40 °C; 30-80% relative humidity (non-condensing)
	➤ <b>Auto sampler</b>
	<b>Fluid path should be composed of entirely inert and metal-free components.</b> Wetted Materials in Flow Path: PEEK, PTFE, and inert, coated needle.
	Injection volume pressure limit: Up to 8000 psi or better.
	Sample Capacity: 1.5-2 mL vials or equivalent.
	Standard injection volume programmable from 0 ul to 99.99 ul or more in 1 ul increment.
	Syringe size 100ul or more standard.
	Valve Switching Time: 60 msec.
	Loop volume: 2uL to 100uL or more.
	Injection precision with full loop :< 0.5% RSD.
	Sample carry over with standard wash: ≤ 0.1 %
	Safety and EMC Compatibility : CE, CSA (UL), RoHS, ISO 9001
	➤ <b>Switching valve</b>
	Switching valve should be there to allow the mobile phase to be diverted away from the ICP-MS, enabling you to tune the mass spectrometer at the same time as equilibrating your column.
	➤ <b>Software</b>
	Suitable software compatible with windows 11 OS to control all modules of HPLC.
	Separate analytical columns with suitable guard columns (4 no's each) to be supplied for As, Hg and Cr speciation.
13	<b>Computer</b>
	Latest compatible PC with minimum configuration of Intel ® Core ™ 12 <sup>th</sup> generation i7 – 4570 Quad Core Processor (3.2 GHz),16 GB ( 2 x 8 GB) 3200MHz DDR4 Non-ECC RAM , 1 TB 3.5 inch Serial ATA (7.200 Rpm) Hard Drive, 16X Half Height DVD ± R/W Drive , Full height 2 <sup>nd</sup> Serial Port card , Display Port to DV Adaptor ,On board 10/100/1000 PCIe network card , Full height additional network card ,USB Optical Mouse, Dell Keyboard :

	US/European USB Keyboard, Windows 11 professional (64 Bit Windows 10 or better License, Media) English , Windows 10 or Later (64 Bit) English Resource DVD
	Microsoft Office Home & Business 2023, 23" TFT LED Monitor <b>or better</b> Specifications.
	Reputed Branded Laser jet printer and automatic back-to-back print should be provided.
14	<b>Multi vessel Microwave digestion system</b>
	Magnetron .Power:- Microwave heating system must have a measured delivered output power of 1500 watts or more with dual magnetron system. There should be provision of protection of magnetron from reflected microwave energy.
	Control: System must have a built in operating system with touch screen controller fluorescent and facility for connecting external mouse and external alphanumeric keypad for entry of operating parameters and sample Identification. System must operate stand alone and must not require the use of any external computer for operation. System software must automatically adjust the power delivery based upon number of vessels, type of vessels and type of samples in a single touch operation.
	System must be capable of processing up to 16 vessels or more simultaneously (250 psi or above and 80ml or more volume size).
	➤ <b>Vessels:</b>
	Microwave digestion vessels must be ventable preferably without any metal discs
	No of vessels: 16 or more
	Volume: 80 ml or more
	Temperature: Min 230 °C or more
	Pressure: 250 psi or more
	MOC of vessels: TFM
	Temp Control: Temperature controlling should be with volume independent flour mounted contactless temperature sensor for temperature monitoring, vessel counting and automatic vessel detection prior to start/calculate heating reactions in precise manner.
	Cavity : Cavity should be made up of SS with impact resistant polymer shell for durability & should be coated with multilayer Teflon coating cavity size of min 40 liters or above.
	Door safety: System should have at least 5 safety switches out of which 3 safety interlocks should be for door safety & two thermal switches.
	System must be able to control temperature in all vessels suitable software should be offered.
15	<b>Water unit (Type – 1 Water Purification System) with 50 L tank capacity.</b>
	System must be supplied along the external Pre-treatment and External RO to handle the silica free applications.
	System should be standalone single stage system-produce Endotoxin and bacteria free ultrapure water Type 1 and Type 2 directly from potable water supply.
	System should be capable of providing ASTM Type I (18.2 Mega ohm resistivity) Water and have the UF cartridge to cater Biological applications.

	System should be capable of providing ASTM Type II (1-10 Mega ohm resistivity) Water from potable tap water
	System has feed water acceptance level of Conductivity up to 1500 $\mu\text{S}/\text{cm}$ or more, Fouling Index (SDI) > 3 and Total Chlorine less than 0.1 ppm or more.
	System should have a pretreatment kit with 1 $\mu\text{m}$ filter, Harness Stabilizer and Carbon.
	System should have RO Flow rate 6 Ltr/hour or more.
	Type 1 water flow rate should be equal or more than 1 Ltr/Minute.
	Reverse Osmosis module is made up of thin film composite polyamide RO membrane with rejection rate of 94 - 99%.
	System should have feed water specific purification pack before UV lamp consisting of mixed bed ion exchange resin/ micro filter / activated carbon to ensure better purification and longer life of the cartridges.
	System should have dual wavelength 185/254 nm for UV-oxidation for reducing the content of microorganisms and their metabolites to ensure the quality of Type 1 water.
	System should have inbuilt reservoir 6 Ltr or more in volume. Water is recirculated through High Purity Cartridge to maintain purity.
	System should have to be fed with imported Pre-treatment water as as to take the excessive care.
	System be compatible for onsite IQ/OQ(Onsite Validation).
	Production rate of Purified Water @ 6 ltrs/hr or more.
	System should be quoted with One set of Consumables including RO.
	Ultra-Pure (Type I ) water: Resistivity...18.2 Mega Ohms.cm @ 25 Degree C. TOC ..... < 5 ppb Bacteria ... < 0.01 cfu /ml or better Particulates ( .22 micron )... < 1 /ml RNase.....< 0.003 ng/ml or better DNase.....< 0.4 pg/ml or better Endotoxin....0.001 EU/ml or better Flow rate..... $\geq$ 1 Ltr/Minute.
	Ultra-Pure (Type II ) water: Resistivity... > 1 Mega Ohms.cm @ 25 Degree C. TOC ..... < 30 ppb
16	<b>Exhaust unit</b>
	Exhaust unit for the ICP-MS has to be supplied along with the System
17	<b>Standards with minimum expiry time of two years</b>
	Specially pure Analytical NIST traceable single element standard solutions(Minimum pack (one each) or <b>100ml each</b> whichever is lower) for Sn, Ni, Cu, Zn, Ba, Sb, Ni, B, Ag, K, Mg, Ca, Na, As, Cd, Cr, Hg, Pb, Se, Fe, Co, Mo, Al, Ti, V, P, Se, Bi, Sr, U should be supplied.  Multi element Calibration NIST traceable standards for ICP-MS - one set. Suitable mixed internal standards.



	The above standards shall have certificate of analysis.
18	<b>Power Supply</b>
	The system should have online UPS with pure sine wave 3 phase in, single phase out (minimum 20 KVA) of suitable rating with voltage regulation, spike protection and minimum 60 minutes back up under full load condition for the supplied equipment of reputed make (APC/ Vertiv/ ABB).
19	<b>Essential Accessories</b>
	Peristaltic pump tubing-sample intake – 100 No's
	Peristaltic pump tubing-Drain – 100 No's
	Tubing – Auto Sampler to Peristaltic Pump – 25 No's
	Micro mist nebulizer – 5 No's
	Plasma Torch – 5 No's
	Ni Sampling Cone – 4 No's
	Pt Sampling Cone – 2 No's
	Ni Skimmer Cone – 4 No's
	Pt Skimmer Cone – 2 No's
	Hyper skimmer cones/extraction system for HF digested sample
	A HF resistant kit to handle HF digested samples should be supplied
	Vacuum Pump oils – 5 liters
	Argon Gas Cylinders-6 No's (>99.999 % pure as per system requirement)
	Gas cylinder for Collision cell gases – Helium-2 No's (>99.9999 % pure as per system requirement)
	Gas cylinder for Reaction cell gases –Oxygen-2 No's (>99.999 % pure as per system requirement), Hydrogen-2 No's (>99.999 % pure as per system requirement), whichever is applicable for individual system for elimination of interference species along with 2 stage SS Gas pressure regulators (certified manufactures) for each cylinder. All supplied cylinders should have all test certificates.
	Gas purification panel for Argon, Oxygen, Helium & Hydrogen with appropriate plumbing.
	Required vibration free table for the instrument and revolving chair for analyst.
	Optional: Any other accessory as felt required for the proper functioning of the equipment.
20	<b>Consumables</b>
	Consumables for Five years operation of the system for main ICP unit, spare torches, nebulizer, tunings, and moisture trap to be supplied.
	Bidders should quote a startup package for 100 samples. In addition, the bidders should give a list of recommended consumables along with their source and budgetary prices.
	Operation kit comprising all required items pump tubings, transfer tubings, work coils etc. for startup/regular operation of instrument.

	<p>Firm should also quote for all essential pre-installation requirements and utility requirement for ICP-MS.</p> <p>Give the Detection limits (DL) chart for Sn, Ni, Cu, Zn, Ba, Sb, Ni, B, Ag, Mg, Ca, Na, As, Cd, Cr, Hg, Pb, Se, Fe (but not limited to these elements. Provide for as many elements as vendor can) and give the conditions at which the DLs are measured</p> <p>Operation and maintenance manual for each unit in both hard copy and soft copy.</p> <p>Service manual with set of required tools for each system/unit.</p> <p>The system should have future upgradability for Server connectivity and should be capable of 21 CFR Part 11 and food safety compliance. The necessary validations will have to be carried out by the equipment suppliers.</p> <p>Methods library for all food matrixes, related software's and user manuals to be provided</p>
21	<b>Operation and maintenance &amp; Training Component</b>
	The supplier will have to carry out successful installation at our laboratory premises (wherever the system has to be installed) and to provide onsite comprehensive training for minimum 20 working days for scientific personnel operating the system or until customer satisfaction.
22	<b>IQ/OQ/PQ</b>
	IQ/OQ/PQ of the system is required
23	<b>Warranty</b>
	Standard Warranty of minimum 12 months (for ICPMS, HPLC, Microwave digester, water purification unit) starting from date of satisfactory, installation and acceptance of the equipment. UPS including SMF batteries should have minimum 2 years warranty from date of satisfactory commissioning of the system for 60 minutes backup at full load conditions.
	Annual Maintenance Contract Service for 60 months after expiry of standard Guarantee/Warranty should be quoted separately on yearly basis.
	Annual calibration of the equipment shall be a part of the AMC. It shall also be mandatory to perform calibration after every major repair/breakdown
	The vendor should guarantee the availability of spares for minimum 10 years from the date of commissioning of the instrument.
	Current user's / performance list with contact details (Customer name, phone email id etc.) and date of installation to be provided (Minimum 2 installations of the model quoted)
	Number and details of the service engineers has to be provided near to CSIR-CFTRI, Mysore
	Onsite technical performance evaluation of the quoted model of the equipment will be carried out for those who qualify in the technical bid
24	<b>Pre installation requirements</b>
	List out all pre-installation requirements (which are to be provided by the Lab)

**4.3 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-L**.

#### 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 ICPMS with the same or higher specifications having/with ICPMS parameters (herein after called 'The Product'). 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 **TWO** numbers (herein after referred as 'The Qualifying Quantity') of 'The Product' in at least one of the last five years ending on 'The relevant Date', and out of which
- c) At least two numbers of offered version/model of 'The product' should be in successful operation for at least five years on the date of bid opening.

##### Criteria 2 - Capability- Equipment & manufacturing Facilities:

'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

- 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.

**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 him self 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	Self-Certification ( to be enclosed with technical bid)	L
9	Deviation Statement Form (to be enclosed with the technical bid)	M
10	Performance Security Form (to be submitted on award of Contract)	N
11	Acceptance Certificate Form (to be submitted on award of Contract)	O
12	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/52334/2022-23</b>	
<b>Sr. No.</b>		
<b>1</b>	<b>Approximate weight 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</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 / LC / ILC / Advance [Mention the appropriate term]</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>9</b>	<b>Training (if any) Quoted Price inclusive</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	(confirmation only i.e. yes or not)
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 FCA/CIP (named place of delivery)	