



क्रय अनुभाग
वन अनुसंधान संस्थान
देहरादून-२४८००६, उत्तराखण्ड
GSTIN 05AAAAI1708G2Z6
PAN NO. AAAAI1708G

Purchase Section
Forest Research Institute
Dehradun-248006, UTTARAKHAND
Phone: 0135-2224205
http://fri.icfre.gov.in/tender/
Email: po_fri@icfre.org



Notice Inviting Tender (E-Procurement mode)-Re-tender
निविदा दस्तावेज/ Tender Document

Ref. No X-7/POFRI/CHE/VKV/AICRP/2020-21 (Re-tender)
TENDER ID: 2020_ICFRE_573020_3

Date: 05/10/2020

Bids under two bid systems (Technical and Commercial) are invited online at CPP Portal (<https://eprocure.gov.in/eprocure/app>) from the reputed manufacturer/authorized supplier/dealer for the following items. **Manual bids will not be accepted.**

वस्तु की तकनीकी विशिष्टताये / Technical Specification of item:

S. No.	Name of item	Quantity	Warranty	EMD (Rs.)	Tender Fee (Rs.)
1.	Ultra Performance Liquid Chromatograph- Quadrupole Time-of-Flight Mass Spectrometer (UPLC-QTOFMS)	01 No.	As per Specification (Annexure VII)	4,00,000/-	NIL

(For Detailed Technical Specification Plz refer Annexure-VII)

नोट-1: कृपया वस्तु का मूल्य एवं कर अलग-अलग दर्शाए/Please quote the rate & Taxes of the item separately

Note-2: E-way bill is to be issued by the Venders/Transporter

Note-3: The HSN / SAC Code of the item must be mentioned.

Technical Clarifications:	Dr. V.K. Varshney	Chemistry & Bio-Prospecting Division , FRI Dehradun	Ph: 0135-222-4208 Mobile No. 91 94105 48521 Email: varshneyvk@icfre.org,
----------------------------------	--------------------------	----------------------------------------------------------------	-----------------------------------------------------------------------------------------------------

Critical Date Sheet

S. No.	Particulars	Date	Time	Location
1.	Published Date	05.10.2020	05:00 PM	FRI website and CPP portal: https://eprocure.gov.in/eprocure/app
2.	Bid Document Download Start Date	05.10.2020	06:00 PM	At CPP Portal as above
3.	Seek Clarifications Start Date	06.10.2020	10:00 AM	Through Phone/Email
4.	Bid Submission Start Date	06.10.2020	10:00 AM	At CPP Portal as above
5.	Seek Clarification End Date	19.10.2020	05:00 PM	Through Phone/Email
6.	Bid Submission End Date	20.10.2020	03:00 PM	At CPP Portal as above
7.	Bid Opening Date	21.10.2020	03:00 PM	CPP portal / At Purchase Section, FRI Main Building
8.				

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

[PURCHASE OFFICER]

Instructions for Online Bid Submission

This tender document has been published on the Central Public Procurement Portal ([URL:https://eprocure.gov.in/eprocure/app](https://eprocure.gov.in/eprocure/app)) & Institute website <http://fri.icfre.gov.in/tender/>. The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION

1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.
7. The CPP Portal also has user manual with detailed guidelines on enrollment and participation in the online bidding process. Any queries related to process of online bids or queries related to CPP Portal may be directed to the 24x7 CPP Portal Helpdesk.

The Institute will not be responsible for any type of technical issue regarding uploading of Tender on website.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

1. Bidder should take into account any corrigendum/clarifications published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS formats. Bid documents may be scanned with 100 dpi with black and white option.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while

submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

1. Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidder should submit the Tender Fee/ EMD as specified in the tender. The hard copy should be posted/couriered given in person to the Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the same should be uploaded as part of the offer. The bidder has to select the payment option as offline to pay the Tender FEE/ EMD as applicable and enter details of the same.
4. Financial Bids can be submitted in **BOQ_XXXX.xls format** (as given in the portal), the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. The Priced-bid/BOQ template shall not be modified / replaced by the bidder; else the bid submitted is liable to be rejected for the tender.
5. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
6. Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
7. Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

ASSISTANCE TO BIDDERS

1. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 0120-4200462, 0120-4001002, 91-8826246593.

CHAPTER-1: INSTRUCTION TO BIDDERS

1.1 The Tender should be enclosed/uploaded with proper certifications like Agency Certification, Authorization certificate and /or Proprietary Certificate, as the case may be, in support of your offer.

1.2 Supply means: "Supply, Installation & Commissioning".

1.3 बोली का जमा किया जाना / Submission of Bids:

- (i) The bids should be submitted/uploaded ONLINE in two parts:
 - (a) The Technical Bid (Annexure – I, II, III, IV V & VI.
 - (b) The Financial Bid (Online at CPP Portal in BoQ_XXXX.xls format)
- (ii) The bids should be printed on official pad preferably with GST Number of the firm.
- (iii) The bid should bear full details and where possible may be duly supported with catalogues, pamphlets, literature, samples of the item/items as the case may be for comparing the quality and rates of the item(s).
- (iv) Bid received after the closing date and time shall not be considered.
- (v) The transportation cost, insurance charge etc., if any, Percentage/ rate of GST or all other taxes and duties should be clearly mentioned.
- (vi) The bids / rates / tenders should remain valid for a minimum period of 45 days from the date of opening.
- (vii) **Since this purchase being for research purpose and ICFRE/FRI, Dehradun is registered in DSIR, New Delhi. It is therefore exempted from the payment of custom duty and GST @ 5% as per the Govt. Rules. The bidder should quote accordingly.**
- (viii) There should not be any over-writing or cutting on rates quoted. However, all cutting/corrections must be duly authenticated else the offer will be rejected.
- (ix) The rates shall not be subject to escalation of any nature.
- (x) The rates quoted should be applicable to educational institutions and any cost advantage received in lieu thereof should be passed on the Institution.
- (xi) **While quoting, the firm shall give an undertaking regarding Tender Acceptance Letter as per Annexure-IV.**
- (xii) The quotations should be given for the items in the same order as in the enquiry letter.
- (xiii) Agreements/Purchase order/Completion certificates if any for similar works in other institutes, the details of such supplies for the preceding three years should be given together with the prices eventually or finally paid.
- (xiv) Duly filled checklist as per Annexure-I should be submitted along with tender.

1.4 निविदा शुल्क/ Tender Fee एवं/and अग्रिम धन राशि / Earnest Money Deposit (EMD)

The Technical Bid should accompany **non-refundable Tender Fee in form of Demand Draft only** and an **EMD in the form of FDR /Bank Guarantee only of the value mentioned at the first page of this tender document only for the equipment(s) bidding by the bidder as the case may be**, issued from any of the Commercial Banks of India drawn in favour of "Director, Forest Research Institute, Dehradun" valid 90 days beyond the validity period of bid. **The Bidder have to fill up EMD details online as per quoted items and send the hard copy of payment to the Purchase Section FRI, on or before the Bid Opening date and time as mentioned in Critical date sheet.** The qualification in Technical bid will be subject to the receipt and acceptance of EMD within schedule date and time as mentioned in the NIT. FRI Dehradun shall not be responsible for any delay in receipt of EMD. In case the EMD is not received within the aforesaid period, the bid will be outrightly rejected. Original EMD should be submitted in a Separate Sealed Cover super-scribed as EMD for Tender no. & Item Name and the same to be addressed to: Purchase Section, FRI Dehradun-248006.

Exemption on submission of Tender Fee/EMD will be given against valid MSME/NSIC/KVIC certificate under valid category and within the validating period of the certificate.

The earnest money shall be refunded to all the unsuccessful firms, without any interest after finalization of the contract. EMD shall be refunded to the successful firm on receipt of PBG/Security Deposit. No interest is payable on the EMD to either the successful firms or the unsuccessful firms.

1.5 अग्रिम धन राशि प्रत्याभूति/Earnest Money Deposit (EMD) & निष्पादन बैंक प्रत्याभूति/Performance Bank Guarantee (PBG)

1. The Earnest Money Deposit (EMD) in the form of Bank Guarantee or FDR pledged in favour of "Director, Forest Research Institute, Dehradun" is required to be submitted by the bidder with tender Notice. This should remain valid for Ninety days. The format of the EMD is available at the institute's website. No interest shall be claimed by the bidder on the EMD. The Earnest Money to be forfeited, if wrong information is given in the tender to influence the tender cost. The Earnest Money will also be forfeited if bidder wants to withdraw his bid without any reliable reason.

2. 5% of the cost price in the form of Bank Guarantee or FDR pledged in favour of “Director, Forest Research Institute, Dehradun” is required to be submitted by the successful bidder before the delivery / installation works complete of the items(s) which should remain valid at least during the warranty period plus sixty days. The format of the PBG is available at the institute’s website (fri.icfre.gov.in/downloads) No interest shall be claimed by the bidder on the PBG submitted. The Bank Guarantee may be forfeited in case of improper services provided by the bidder/firm after verification from the concerned Consignee/HOD.

1.6 बोलियों का खोला जाना / Opening of Bids:

- 1) The Technical Bids will be opened online at CPPP Portal (<https://eprocure.gov.in/eprocure/app>)-Plz refer Critical Date Sheet.
- 2) **The Financial bids of only the Technically Qualified bidders will be opened. The date and time for opening the Financial Bid will be communicated to the respective firm later by the system (CPP Portal (<https://eprocure.gov.in/eprocure/app>))**
- 3) If there are any discrepancies in price schedule and tender document please refer to the BOQ in the Central Public Procurement Portal, the BOQ item/words/conditions mentioned in BOQ prevails
- 4) Representatives of the firm(s) may be present at the time of opening the financial bids if they so desire.

CHAPTER-2: CONDITIONS OF CONTRACT

2.1 कीमत / Price

- (i) The price of the goods must be as per the BoQ.
- (ii) The price quoted shall be considered firm and no price escalation will be permitted. The price criteria should be on F.O.R., FRI Dehradun. Govt. levies like GST, if any, shall be paid at actual rates applicable on the date of delivery. The rates should be quoted accordingly giving the basic price, GST, if any.
- (iii) The rate of **GST applicable to FRI Dehradun is 5% and also exempted from the payment of custom duty** for the items procured for Research Purpose as per Notification No. 45/2017-Central Tax (Rates) New Delhi, 14th November, 2017 and Notification No.47/2017-Integrated Tax (Rate) New Delhi 14 November 2017. The bidder should quote accordingly
- (iv) The price mentioned in Financial Bid must be inclusive of transportation, insurance, loading/unloading, installation, commissioning, training and any other incidental/local service required for delivering the goods for desired destination as decided by FRI Dehradun.
- (v) The institute will not be responsible in case of the bidders failing to include charges towards insurance & transportation, installation, commissioning and training (if any). The price mentioned in the BoQ will be final and the bidder has to comply with that, if awarded the tender.

2.2 वारंटी सपोर्ट / Warranty Support

- (i) The items covered by the schedule of requirement shall carry the warranty for the period mentioned in this tender document/specification of **COMPREHENSIVE WARRANTY** from the date of acceptance of the equipment by FRI Dehradun. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolog for more than 48 hours. The comprehensive warranty includes onsite warranty with parts.
- (ii) The defects, if any, during the guarantee/warranty period are to be rectified free of charge be arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, octroi, local taxes, if any, should be borne by the beneficiary or his agent.
- (iii) The warranty on the associated software should cover providing of upgraded version/s, if any, released during the warranty period free of cost.
- (iv) The equipment must be supported by a Service Centre in India manned by the principal vendor’s technical support engineers. The support through this Centre must be available 24 hours in a day, seven days a week and 365 days a year. Also it should be possible to contact the Principal’s vendor support Centre on a toll free number/web/mail
- (v) The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.
- (vi) Details of onsite warranty, agency who shall maintain during warranty and undertake Annual Maintenance Contract/Comprehensive Service Maintenance Contract beyond warranty shall be given in the offer. In case of foreign quote, the Indian Agent who shall maintain during warranty and AMC beyond warranty shall be given in the Technical Offer.
- (vii) The warranty period and validity of Performance Guarantee shall be extended for the period of delay in satisfactory installation and delay in warranty services.

2.3 कार्य अनुबन्ध / Award of Contract:

The final selection of the bidder for the award of the contract will be made on the basis of the evaluation of techno-commercial proposal submitted by the prospective qualified bidders.

2.4 पूर्व आपूर्ति निरीक्षण/ Pre-supply Inspection:

Authorized representative of the Institute shall make the final inspection before supply of the item at site of the firm, if required.

2.5 वस्तु की आपूर्ति / Supply of Item:

The whole supply as per order shall have to be completed within the time mentioned in the order failing which the FRI Dehradun shall have the right to accept or reject any quantity of items ordered. The firm will have to arrange for supply of the material/ equipment in good condition.

2.6 छतिपूर्ति / Indemnity

The vendor shall indemnify, protect and save FRI Dehradun against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipments supplied by them.

2.7 भाड़ा व इन्श्योरेन्स / Freight & Insurance

The equipment's to be supplied will be insured by the vendor against all risks of Loss or damage from the date of shipment till such time it is delivered at FRI, Dehradun, Uttarakhand site.

2.8 भुगतान की शर्तें / Payment Terms:

- (i) **No advance payments are allowed under any circumstances.**
- (ii) **Payment in INR for supply of goods:**
 - a) **The payment term will be 80% against satisfactory supply and installation and 20% after satisfactory performance of the equipment and training to the FRI scientists by supplier free of cost and on submission of bank guarantee for equivalent amount i.e. 5% cost of order with validity upto warranty period of five years from the date of satisfactory installation / commissioning and acceptance of supply. No other payment terms will be considered. It must be clearly mentioned in the offer whether our payment term is acceptable to you.**
- (iii) **Payment in INR for AMC/CMC/Service:**
 - a) Quarterly/Half yearly after satisfactory completion of work/service duly certified by the H.O.D./P.I.
- (iv) **Payment in Foreign Currency for supply of goods:**
 - a) Payment will be made as below after deducting Indian Agency Commission (if any). IAC is payable in Indian Rupee after satisfactory installation.
- (v) Payment through Letter of Credit (LC).
- (vi) Payment 100% through Sight Draft
- (vii) Payment through Wire transfer after receipt of material in good condition.
- (viii) **Payment in Foreign Currency for AMC/CMC/Services:**
 - a) Quarterly/Half yearly after satisfactory completion of work/service duly certified by the H.O.D./P.I. through wire transfer.

2.9 दंड/ Penalty for delayed Services/LD:

A penalty of 0.5% of the total order value per week shall be levied for the delay subject to a maximum of 5% of the total order value.

In case of the non-supply of the item after the acceptance of the work/supply order, EMD will be forfeited by the Institute.

2.10 अप्रत्याशित घटना/ Force Majeure:

For the purpose of and within the scope of contract by way of indication and not of limitation, the term "Force Mejeure" shall mean acts of nature, strikes, Lockouts, or other industrial disturbances, act of public/enemy, wars, blockades, insurrection, riots, epidemics, landslides, earthquakes, storms lightening, flood, washouts, civil disturbances, explosion and any other similar even not within the control of either party on which by exercise of due care and diligence neither party is able to prevent or overcome.

2.11 मध्यस्थता/Arbitration:

In the event of any difference or dispute arising out this work, all effort shall be made by both the parties to settle the same amicably. Failing an amicable settlement, the dispute shall be finally settled through arbitration conducted under the Arbitration and Conciliation Act 1996, by arbitrators appointed in accordance with the said Act. The arbitration shall give reasoned and speaking award. All disputes are subject to Dehradun jurisdiction only.

2.12 बोली अस्वीकृती के लिए मानदंड/ Criteria for bid rejection:

- (i) If not received on or before due date and time.
- (ii) If technical bid found without the required undertaking (Annexure-IV).

- (iii) If it found at a later date that any information given in the bids is incorrect/false then the bid is liable to be disqualified/rejected.
- (iv) Canvassing in any form will result in disqualification.
- (v) If "extra, as actual" etc. are mentioned against any of the price components in the bid the bid will be rejected.
- (vi) If any bidder submitting two/multiple bids for the same of a tender, both/all the bids if that bidder will be outrightly rejected.
- (vii) If the firm quotes 'NIL' charges/ consideration, the bid shall be treated as unresponsive and will not be considered.

2.13 सत्यनिष्ठा संहिता /Code of Integrity

False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for upto 2 years as per rule 151 (iii) of the General Financial Rules along-with such other actions as may be permissible under law.

CHAPTER-3: SCHEDULES OF REQUIREMENTS

3.1 टिप्पणी / Note:

- (i) **Technical Bid in form of Annexure-I, II, III, IV, V and VI (blank signed price bid) has to be uploaded on CPP portal. Financial Bid in form of Excel file BoQ_XXXX.xls has to be uploaded on CPP portal.**
- (ii) If the Supplier/firm is manufacturer/authorized dealer/sole distributor/of the item, the certificate to this effect should be attached/uploaded.
- (iii) Please note that the firm must submit the **separate compliance Statement** for each item quoting in Annexure-III in respect of all the specifications with the supporting printed catalogue/leaflet/Brochure of the quoted items with **highlighting their offered specifications.**
- (iv) It may also be noted that the tender bids received after the stipulated date & time or found incomplete and tender bids containing false/incorrect information shall be summarily rejected. The Institute shall not entertain any communication in this regard, whatsoever.
- (v) The firm is required to give its Bank Account details with IFSC for the purpose of making e-payment.
- (vi) The Forest Research Institute (FRI) Dehradun reserves the right to reject any quotation wholly or partly without assigning any reason.
- (vii) The quantity shown against the item is approximate and may vary as per demand of the Institute at the time placing order.
- (viii) The decision of the Institute in all matters relating to eligibility, acceptance, rejection of the bid will be final and binding on the applicants.
- (ix) Forest Research Institute (FRI) Dehradun discourages High Sea Sale Purchase. All tenders with High Sea Sale will be rejected.
- (x) The firms should clearly mention (in the financial bid) the Harmonized System of Classification (HS code) defined by the Central Custom and Excise Board (Govt. of India) for the item (s) involving import.
- (xi) **If the due date happens to be a holiday, then the TENDER FEE and EMD will be accepted till 3.00 PM on next working day followed by the holiday.**
- (xii) If an agent submits bid on behalf of the Principal/OEM, the same agent can not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
- (xiii) **Indian Agent should submit the certificate from the Foreign Principal that they are the Authorized & Registered Indian Agent.**
- (xiv) The quantity shown in the tender can be increased or decreased to any extent depending upon the actual requirement. Any corrigendum/addendum/errata in respect of the Tender Notice/ Enquiry letter shall be made available at our Institute website <http://fri.icfre.gov.in/tender/>. Hence prospective bidders are advised to visit the Institute website regularly.
- (xv) **Any corrigendum/addendum/errata in respect of the Tender Notice/ Enquiry letter shall be made available CPP Portal (<https://eprocure.gov.in/eprocure/app>). Hence prospective bidders are advised to visit the CPP Portal (<https://eprocure.gov.in/eprocure/app>) regularly.**
- (xvi) Bidders shall be responsible for the correctness of the information provided in the enquiry letter/tender document. If it is found at a later date that any information given in the bid is incorrect/false then the bid is liable to be disqualified/rejected.
- (xvii) Institute will not be responsible for non-receipt of bid(s) within the stipulated date due to any postal delay or delay for any other reason in transit.
- (xviii) Before submission of bids, bidders should read the complete enquiry letter/tender document carefully and ensure that the bidders fulfill the eligibility criteria.
- (xix) In case the item /product is under rate contract with DGS&D or GeM, then bidder should certify that the rate quoted is not over and above (higher side) the rates under RC with the DGS&D or GeM.
- (xx) In case calculation mistakes are found in the financial bid, then calculation shall be made by the Institute on the basis of rate per unit quoted by the bidders will be processed further.

- (xxi) The Institute reserves the right to rectify any discrepancy of this advertisement, if found later on. In case of any inadvertent mistake in the process which may be detected at any stage even after the issue of purchase order, the Institute reserves the right to modify/withdraw/cancel any communication made to the bidder.
- (xxii) **In Item Wise BoQ_XXXX.xls sheet, In column M, leave blank for the item/service not provided/quoted by you. If quoted 0 then it will be considered that the item/service will be provided free of cost.**
- (xxiii) If there are any discrepancies in price schedule and tender document please refer to the BOQ in the Central Public Procurement Portal, the BOQ item/words/conditions mentioned in BOQ prevails.

Chapter-4:	Specification and allied Technical details	Plz. See Annexure-I, II, III, IV & V
Chapter-5:	Price Schedule (to be utilized by the bidders for quoting their prices online in .XLS format at CPPP Portal (https://eprocure.gov.in/eprocure/app	Plz. See Annexure- VI & Price Bid in BOQ_XXXX.XLS Format
Chapter 6:	Contract Form	Purchase Order is used as Contract Form

[PURCHASE OFFICER, FRI]

CHECK LIST
(Eligibility Criteria for Bidders)

Bidders to indicate whether the following documents are uploaded by striking out the non-relevant option.

Envelope – 1 (Technical Bid) (Scanned copy of following documents to be uploaded on CPP Portal)			
S. No.	Content	Uploaded (Yes/No)/N.A.	Page No.
1.	TENDER FEE OR Self attested copy of Exemption certificate		
2.	EMD OR Self attested copy of Exemption certificate		
3.	AUTHORIZATION certificate issued by the OEM, if applicable.		
4.	Self attested copy of GST certificate as applicable		
5.	Self attested copy of affidavit of PARTNERSHIP DEED as applicable.		
6.	BIDDER'S PROFILE/INFORMATION FORM: Annexure -II		
7.	*COMPLIANCE SHEET with any deviation: Annexure- III		
8.	Tender Acceptance Letter : Annexure- IV		
9.	A copy of Un-priced (Blank), signed and stamped Commercial/Financial Bid: Annexure- VI		
10.	*Printed CATALOGUE/BROUCHER/LEAFLET of the quoted item(s) enclosed/uploaded.		
11.	Copy of the previous two supply orders of the similar equipment/ item of last 3 years from the Central Govt./State/Govt./PSU/ CSIR/ICAR/ ICMR etc. attached/uploaded for reasonability of rates: Annexure-V		
12.	Copy of the audited balance sheet of the bidder for the previous three financial years indicating the turnover in supply of the material.		

Envelope – 2 (Financial Bid) (Following EXCEL document to be uploaded with BID on CPP portal)		
1.	Price bid should be submitted in Excel (BOQ.xls) Format	Uploaded (Yes/No)

***Note:**

1. Separate sheets need to be attached/uploaded in case of quoting for more than one equipment as applicable.
2. The firms who already submitted EMD in the tender Ref. No X-7/POFRI/CHE/VKV/AICRP/2020-21, TENDER ID: 2020_ICFRE_573020_1, dated 23.07.2020, and 2020_ICFRE_573020_2, dated 04.09.2020 for a particular item need not to submit again for the same. But the firms have to submit the bid again with all other codal formalities.

Signature:
Name:
Designation:
Seal of the Firm/Agency

BIDDER PROFILE/INFORMATION FORM

(To be given on Company Letter Head)

Company Name :
Registration Number :
Registered Address :
Name of Partners /Directors :
 :
City :
Postal Code :
Company's Establishment Year :
Company's Nature of Business :
Company's Legal Status 1) Limited Company
(tick on appropriate option) 2) Undertaking
 3) Joint Venture
 4) Partnership
 5) Others

Company Category 1) Micro Unit as per MSME
(tick on appropriate option) 2) Small Unit as per MSME
 3) Medium Unit as per MSME
 4) Ancillary Unit
 5) SSI
 6) Others

CONTACT DETAILS

Contact Name :
 Designation :
 Email Id :
 Phone No :
 Mobile No :

BANK DETAILS

Name of Beneficiary :
 A/c. No. CC/CD/SB/OD:
 Name of Bank :
 IFSC NO. (Bank) :
 Branch Address:
 Branch Code:
 Other Details

Vendor's PAN No.
Vendor's CST No/LST No/WCT
No/TIN No:

Signature:
Name:
Designation:
Seal of the Firm/Agency

COMPLIANCE STATEMENT OF SPECIFICATIONS

(To be given on Company Letter Head)

विस्तृत विवरण अनुपालन रिपोर्ट के साथ प्रस्तुत किया जाना है (अपने आधिकारिक लेटरहेड पर विक्रेता/ फर्म द्वारा प्रस्तुत करने के लिए)

Detailed specification cum compliance report to be submitted with the Technical Bid (to be submitted by the vender/firm on its official letter head)

Name of the Item(s).....Make:.....Model:.....

Manufacturer/Authorized Distributer /Dealer/Supplier.....

TECHNICAL SPECIFICATIONS:

(For Detailed Technical Specification Plz refer Annexure-VII)

S. No.	Required Items Specifications/ Part/ Accessories as per Tender	Offered specification of item by the bidder	Compliance (Yes/No)	Deviation, If any, in unambiguous terms	Whether highlighted in technical leaflet/literature
1.					
2.					
.					
.					

I have also enclosed/uploaded all relevant documents in support of my claims (as above) in the following pages.

Signature:

Name:

Designation:

Seal of the Organisation

- Note:
- (i) Manufacturer/Authorized Distributer/Dealer/Supplier valid certificate must be enclosed/uploaded.
 - (ii) It is compulsory to enclose the printed Catalogue/Leaflet/Brochure etc. of the quoted items.
 - (iii) "Offered specification" should be filled up properly in the format provided above and should be **HIGHLIGHTED** in the enclosed/uploaded printed Catalogue/Leaflet/Brochure etc.
 - (iv) Volume & Weight of the item should also be mentioned.
 - (v) Separate Compliance Sheets (Annexure-III) must be attached/uploaded for different quoted Item(s)/Make/Model.

उपक्रम/UNDERTAKING
TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,
Director
Forest Research Institute
Dehradun-248006

Sub: Acceptance of Terms & Conditions of Tender.

Ref. No X-7/POFRI/CHE/VKV/AICRP/2020-21
TENDER ID: 2020_ICFRE_573020_3

Date: 05/10/2020

Agreement/Contract Form

Dear Sir,

- (i) I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
- (ii) The corrigendum(s) issued from time to time by your department/organization too have also been taken into consideration, while submitting this acceptance letter
- (iii) I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
- (iv) **I / We do hereby declare that our Firm has not been blacklisted/ debarred / banned by any Govt. Department/Public sector undertaking.**
- (v) I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.
- (vi) It is certified that the rate quoted is not over and above (higher side) the rates under RC with the DGS&D or GeM.

Signature:
Name:
Designation:
Seal of the Firm/Agency

PREVIOUS SUPPLY ORDERS FORMAT

Name of the Firm:

Order placed by (Full address of Purchaser)	Order No., Date and Amount (Rs.)	Name of the ordered equipment and quantity	Date of completion of delivery as per contract	Has the equipment been installed satisfactorily?	Contact Person along with Telephone no., Fax no. and e-mail address

Signature and Seal of the Manufacturer/ bidder

Place:

Date:

Note : Please attach self attested copy of the previous two supply orders during last three years period and/or performance certificate of successful installation/commissioning of the similar equipment/item from the Central Govt./State Govt./PSU/CSIR/ICAR/ ICMR etc. attached/uploaded.

COMMERCIAL/FINANCIAL BID

(To be uploaded online at CPP Portal in BoQ_XXXX.xls format)

Ref. No X-7/POFRI/CHE/VKV/AICRP/2020-21

Dated: 05/10/2020

TENDER ID: 2020_ICFRE_573020_3

Rates: As per BoQ							
S. No.	Name of item / Specifications/ Make & Model.....	Qty.	Basic Rate (Rs. P.)	Excise Duty Rs. P.	*GST etc. @5%	Freight Charges (Rs. P.)	TOTAL (Rs.)
1.01	Ultra Performance Liquid Chromatograph- Quadrupole Time-of-Flight Mass Spectrometer (UPLC-QTOFMS) As per specification at Annexure-VII Make & Model.....	01	Rate per unit				
1.02	"On Site Operation" by providing one full time operator for the system for a period of five (5) years after installation at FRI, Dehradun. The Rate per year should be quoted.	05 Year	Rate per year				
1.03	OPTIONAL1: CAMC for three (3) years after the completion of five years comprehensive warranty period.	03 Year	Rate per year				
1.04	OPTIONAL2: AMC for three (3) years after the completion of five years comprehensive warranty period.	03 Year	Rate per year				
Total							
Grand Total Rs.							

*FRI Dehradun is eligible for Custom Duty exemption and GST @ 5%. Therefore the bidders quote accordingly.

1) Price of the items should be clearly mentioned if supplied Free of Cost.

Term & Conditions:

Prices (if quoted in Rs.): FOR FRI, DEHRADUN

1. Payment:

2. Validity:

3. Delivery period:

4. Other Charges:

5. Warranty:

As per Specification

6. Rejection:

Equipment if found not as per the required specification would be rejected.

7. Penalty Clause:

As per clause-2.9 of enquiry letter.

In case of the non-supply of the item after the acceptance of the work/supply order, EMD will be forfeited by the Institute.

8. PBG:

5% of the cost price in the form of Bank Guarantee or FDR pledged in favour of "Director, Forest Research Institute, Dehradun" is required from the successful bidder at the time of installation of the equipment which should remain valid at least during the warranty period plus sixty days.

9.

This sheet with Un-priced/blank rates and stamped should be given with technical bids.

It is certified that the rate quoted is not over and above (higher side) the rates under RC with DGS&D or GeM.

Signature:

Name:

Designation:

Seal of the firm/Organisation

RATES: The rates quoted by the bidders, shall be firm and inclusive of all taxes (including GST, transport etc.,) and all charges for packing forwarding, insurance, freight, delivery and unloading at FRI Dehradun, Uttarakhand. Rates to be quoted as per the schedule given in BOQ.

SPECIFICATIONS

Name of Item: Ultra Performance Liquid Chromatograph-Quadrupole Time-of-Flight Mass Spectrometer (UPLC-QTOFMS)**Technical Specifications:**

Description of the Equipment: One Ultra Performance Liquid Chromatograph-Quadrupole Time-of-Flight / High Resolution Mass Spectrometer (UPLC-QTOF/HRMS) is required to separate, identify, quantify and confirm the low and high molecular weight compounds in the most complex and challenging samples of plant origin through exact mass and true isotopic measurements. The instrument will consist of Ultra Performance Liquid Chromatograph, Ion source API (ESI & APCI), mass analyzers (Quadrupole and TOF/High Resolution mass analyzer) and data analyzing system. The unit must comply with the following capabilities and features.

GENERAL INSTRUCTIONS:

- Vendors will have to make arrangements for all the other accessories, infrastructure including UPS, etc. essential for the successful operation of the equipment.
- The installation will be deemed completed only after demonstrating the performance features through the necessary Installation Qualification (IQ) and Performance (PQ) of all the modules supplied.
- Installation certificate will be issued only after satisfactory working of the instrument (Demo of all the modules) & onsite training at Chemistry & Bioprospecting Division, Forest Research Institute, Dehradun.
- Used or remanufactured equipment will not be considered for award.
- The system should be upgradable in future as and when necessary.
- **The vendors may note that the technical specifications provided in following para are minimum to be mandatorily met by the systems quoted by them.**
- The vendors should highlight and specify any additional functionalities of their system that enhance the capabilities of the system or the ease with which the user can process and analyze the data and provide information about the value addition from such functionalities.
- All the quoted technical specifications must be verifiable from the manufacturer's international website and published literature.
- Vendors should have good support and service centers located in India and elaborate the proposed service modalities for FRI, Dehradun. They should also confirm the availability of minimum essential spares for the next 10 years after installation.
- The vendors should provide relevant documents to demonstrate their relevant experience.
- The vendors should provide a detailed list of places where similar instrument has been satisfactorily functional for at least 3 years along with the contact details of the concerned scientist/faculty/officer in charge. They should also provide a letter of reference from such users.
- The quoted model should have at least 02 numbers of installations in India, else the vendor is ineligible. List of such users with copy of PO, contact numbers of faculty Incharge and copy of their installation report should be provided.
- The vendors should quote rates of CAMC as optional item for three years year wise after the completion of five years comprehensive warranty period.
- The vendors should quote rates of AMC as optional item for three years year wise after the completion of five years comprehensive warranty period.

- The vendors should quote rates separately in their offer for "On site operation" by providing one full time operator for the system for a period of five years after installation at FRI, Dehradun. The rate per year should be quoted.

1.	UPLC System	A workable UPLC system with binary pump, autosampler, vacuum degasser, PDA Detector, full compatibility to all detectors, columns, column heater for use of temperature as a method parameter should be quoted. All components should be UPLC based only and no HPLC based component should be quoted The complete UPLC and MS system should be controlled by single software.
1.1	Solvent Delivery system	<ul style="list-style-type: none"> • High performance Binary pump with on-line vacuum degasser. • Gradient formation should be at high pressure with binary mixing • Operating Pressure: 18000 psi or better 1.0 mL/min. • Operating flow range programmable: 0.010- 2.000 mL/min with 0.001 ml/min increment or better. • Flow Rate precision: 0.075% RSD • Composition precision: <0.2% RSD or 0.02 min SD, whatever is greater. • Composition accuracy: ±0.5 % absolute. • Compatible pH range: 2.0 – 9.0 or higher • Should be provided with active seal wash facility or better facility • Must be a stackable, self-contained module with solvent resistant material used in all areas which may have contact with the mobile phase. • Safe leak handling must be provided together with leak sensors
1.2	Autosampler with sample cooler	<ul style="list-style-type: none"> • Sample handling capacity 90 nos. or above of 1.5ml/2ml sample vial. • Safety features like leak sensor and automatic rack and vial recognition. • Sample injection volume: 0.1µl to 10 µl or higher • Carry over: 0.002% or better • 2000 Nos. of 1.5/2ml sample vial with cap and septa to be supplied extra
1.3	Column Heater	<ul style="list-style-type: none"> • Column temperature range should be 20 °C to 85 °C or better.
1.4	PDA Detector	<ul style="list-style-type: none"> • Should be provided with standard flow cell • Light source: Deuterium • Wavelength Range: 190nm – 640 nm or higher • Maximum sampling rate 80 Hz or better • Standard flow cell volume of <1µl for 10 mm path length
1.5	Columns	<ul style="list-style-type: none"> • UPLC Colum with C18 chemistry (2.1 X 100 mm and <2 micrometer) or : Min 03 nos. • UPLC Column withC18 chemistry: Min^m 03 nos.

		<ul style="list-style-type: none"> • UPLC Column with C8 chemistry: Min^m 02 nos. • HILIC chemistry column (2.1 X 100 mm and <2 micrometer) or equivalent: Min^m 03 nos. • For monosaccharide analysis-Polymer based packed amino column with plate no. (theoretical plate/column)≥ 7,250 : Min^m 01 no. • Styrene-Divinyl benzene sulfonic acid resin based H form carbohydrate analysis column (pH acidic) suitable for analysis of monosaccharides in solution with carboxylic acid/uronic acids: Min^m 01 no. • Suitable guard columns for above columns
2.	Ionization source	<ul style="list-style-type: none"> • The equipment must be equipped with an atmospheric pressure ionization (API) interface that includes the source elements. • ESI and APCI for analysis of polar and non polar compounds. • System should have the capability of easy switching between ESI and APCI without breaking the vacuum. • ESI and APCI Source should be capable of handling flow rates up to 2 ml/min or better without splitting. • Sample introduction by UPLC with mechanism to clean the sample, remove the neutrals and contaminants. • The system should have isolation valve to allow source and sampling capillary maintenance without venting the system,
3.	Mass Analyzer:	Mass Analyzer should be equipped with quadrupole analyzer and collision cell followed by equivalent high resolution mass analyzer/Time of flight mass analyzer system with the below mentioned capabilities:
3.1	Mass analyzer / mass filter	<ul style="list-style-type: none"> • System must have quadrupole mass analyzer / filter with unit resolution
3.2	High-transmission CID collision cell	<ul style="list-style-type: none"> • CID collision cell should be fast and efficient enabling information-rich fragmentation.
3.3	Orthogonal time of flight Mass Analyzer/Equivalent High resolution mass analyzer:	<ul style="list-style-type: none"> • TOF analyzer/Equivalent High resolution mass analyzer with orthogonal mounted ion source and ion reflection with increased mass resolution & accuracy. It should have positive and negative ion modes.
3.4	Sensitivity	<ul style="list-style-type: none"> • For full scan MS sensitivity for 1pg on column injection of reserpine or equivalent molecule should produce signal to noise ratio >500:1 or higher
3.5	TOF Analyzer	<ul style="list-style-type: none"> • TOF Mass range: up to 10,000 or higher • Mass accuracy in MS or MS/MS mode:<2.5 ppm or better • The Quad Mass Range: up to 1250 m/z or higher • Spectral acquisition rate should be 25 spectra/sec in both MS and MS/MS mode or better • Resolution up to 40000 FWHM or higher at Linear Dynamic range of at least four orders of magnitude

4.	Analysis	<ul style="list-style-type: none"> • The system should be capable of quantitative acquisitions with a linear dynamic range of at least four orders of magnitude. • Library for natural Products • Fast pressure liquid chromatography and MS quoted should be manufactured by the same vendor for efficient performance and compatibility
5.	Component Identification	<ul style="list-style-type: none"> • Software should be integrated with Chemspider database • Software should have workflow for performing both semi targeted (using internal library) and Non targeted (using External library) screening • Software to automatically process complex chromatographic datasets composed of many components which may be incompletely separated from one another. • The software should have a database Library of several herbs and unique compound entries. Each herb should be listed with its English name and each compound should be listed with its name, chemical structure, molecular mass in exact mass, as well as originating plants. In addition, there should be facility to label compounds with their relevant chemical classes such as Alkaloids, Coumarins & Glycosides, Liganoids, Flavonoids, amino acids and Peptides, carbohydrates, organic acids, esters, phenols, polyphenols, Steroids and Terpenoids etc.
6.	Computer Software and Hardware	<ul style="list-style-type: none"> • Suitable computer workstation (high end processing work station with Xeon or better processor, 4 x16 Gbor higher RAM; 12 Tb or higher HDD) and all interfacing hardware and software for instrument control, data acquisition, data storage and data processing. • Software driven Integrated sample/calibrant delivery system + programmable divert valve, • Automated mass calibration and monitoring of the instrument operation status. • Software suite(s) for data acquisition and control of Mass spectrometry. • The MS control software must have the ability to control both the MS and specified Liquid Chromatography devices. • The quoted system must be compatible with Proteomics and Metabolomics application. • Multitasking suite of analytical applications and instrument management software operating In Microsoft Windows environment, featuring graphical user interface with multiple windows includes: <ul style="list-style-type: none"> a) Mass Spectrometer Control Software b) Spectrum Review and Processing

		<p>c) Chromatogram Review and Processing</p> <ul style="list-style-type: none"> • Statistical software including chemometrics tools
7.	Pre Requisite for running the Workstation	<ul style="list-style-type: none"> • HRMS is an advanced and expensive equipment, therefore, it is mandatory that the facility must be multiple user specific. Also it is important that the equipment is stable and can run for a long time without much trouble. • The equipment must be supplied with branded Imported Gas generators suitable for supply of all the gases required by all of the Workstation's components. Any cylinders, regulators, moisture/hydrocarbon traps required in addition must be quoted separately. • A suitable N₂ Peak gas generator with built-in compressor capable of providing all the gases at the required purity, pressure and flow rate for the Mass Spectrometer must be quoted. The compressor should be noise-free. • .Appropriate 10 KVA online UPS cum stabilizer with at least 1 hour backup. • Laser Jet Printer • Vacuum Manifold: Extraction Vacuum Manifold (20 samples) system along with all required accessories like pump, 1 set of quenchers and 1 set of SPE cartridges
8.	The vendor must offer:	<ul style="list-style-type: none"> • Comprehensive warranty for total 5 years with one year standard warranty on complete system including PM Kits and all hardware consumables is a must on complete system including third party items such as Nitrogen generator and (including batteries) and same must be mentioned in the quotation by the vendor or principal. In case, the vendor provides the warranty, the principal should certify (authenticate) the extended warranty. Appropriate documents must be attached with the quotation in this regard.

Note:

- B_{low}/B will be calculated as per the total value of items quoted by the bidder.

BIDS EVALUATION PROCEDURE

Technical Bid and Price Bid

Evaluation of Technical Bids

- (i) Before submission of technical bid, bidders are expected to meet the qualifying criteria (requirements as mentioned in the tender documents. Bidders failing to meet these criteria or not submitting requisite supporting documents / documentary evidences for supporting the eligibility criteria are liable to be rejected summarily.
- (ii) The technical bids must be complete in all respects and should cover the entire scope of work as stipulated in the tender document.
- (iii) Details of evaluation of technical bids are as follows:

WEIGHATGE SYSTEM		
Sl.No.	Name & Required Specifications of Item(s)	Total Marks70
		Weightage
1.	MS/MS Sensitivity	Max^m Marks 5
1.1	500:1 to 1499:1	3
1.2	1500:1 or higher	5
2.	Resolution upto m/z 3000	Max^m Marks 22
2.1	40000 FWHM-50000FWHM	13
2.2	>50000 FWHM	22
3.	Mass Accuracy (in ppm)	Max^m Marks 15
3.1	2.50-2.01	5
3.2	2.00 to 1.00	10
3.3	<1.00	15
4.	Detector Acquisition Speed	Max^m Marks 5
4.1	4 GHz	3
4.2	> 4GHz	5
5.	Work flow (Both semi targeted (using internal library) and Non targeted (using External library) screening can be performed at the same time	Max^m Marks 5
5.1	Yes	5
5.2	No	0
6	Software integration with Chemspider database	Max^m Marks 5
6.1	Yes (allows for search and data reporting within a single window)	5
6.2	Yes (does not allow for search and data reporting within a single window)	2
7	Component identification: No. of natural product compounds in database library	Max^m Marks 8
7.1	2000 -2500	3
7.2	2501-5000	5
7.3	>5000	8
8.	Isotopic fidelity	Max^m Marks 5
8.1	<5%	5
8.2	5% or >5%	0

Note:

- (i) The maximum marks for technical evaluation is 70. Bid(s) scoring 35 or above marks will be technically qualified and below 35 will be rejected.

Determination of successful bidder

- (i) The calculation will be based on the evaluation 70 % of technical bid and 30% from financial (price) bid to determine the successful bidder.
- (ii) The following formula will be applied to determine the lowest bidder. Highest marks obtained in the final calculation (F) will be the lowest bidder.

$$F = [(B_{low}/B) \times 30] + T$$

Where

B= Current price bid (Grand Total Price)

B_{low} = Price bid of the lowest bidder

T= Technical bid score out of 70

F= Final Evaluation

In case of tie after opening of financial bid, L1 will be finalized by the firm which scores maximum marks in technical bid.