

Two Bid Tender Document

**PURCHASE OF SCIENTIFIC EQUIPMENT AUTOMATED FLASH
CHROMATOGRAPHY SYSTEM FOR CHEMISTRY DIVISION, FRI.**



Forest Research Institute

P.O. New Forest

Dehradun-248006

2017-18

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Forest Research Institute
(Indian Council of Forestry Research & Education)
Post- New Forest, Dehra Dun – 248006, Uttarakhand, India

Phone: 0135-2224205; Fax: 0135-2756865
Website: www.fri.res.in Email: po_fri@icfre.org

TENDER NO: X-38/2017-18/Purchase

1. Online bids are invited on single stage two bid systems for purchase of Scientific Equipment “Automated Flash Chromatography System” for Chemistry Division. Manual bids shall not be accepted.
2. Bid/Tender documents may be downloaded from FRI web site www.fri.res.in (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app> as per the tender critical date sheet given below :

Events	Important date/ time	Venue
Published Date	02.01.2018 5.00 P.M	Newspaper/FRI website and CPP portal website
Bid document download	02.01.2018 6.00 P.M	Central Public Procurement Portal (CPPP)
Due date for pre-bid conference	10.01.2018 3.00 P.M	Purchase Section, Main Building, FRI
Bid submission start date	11.01.2018 3.00 P.M	CPP portal
Bid submission end date	29.01.2018 3.00 P.M	CPP portal
Opening date of technical bids	30.01.2018 3.00 P.M	CPP portal / Purchase Section Main Building, FRI
Opening date for financial bids	It will be decided after technical evaluation	CPP portal

CONTENT OF TENDER PAPER

THIS PAPER INCLUDES THE FOLLOWING DOCUMENTS:-

1. Notice Inviting tender (Chapter I)
2. Instructions to bidders (Chapter -II)
3. Conditions of contract (Chapter III)
4. Schedule of requirements (Chapter IV)
5. Specifications and allied details (Chapter V)
6. Price Schedule (Chapter VI)
7. Contract form (Chapter VII)
8. Other standard forms (Chapter VIII)


Purchase Officer

Chapter-I

Notice Inviting Tenders (National Competitive Bidding)

Forest Research Institute
(Indian Council of Forestry Research & Education)
Post- New Forest, Dehra Dun – 248006 Uttarakhand, India

Phone: 0135-2224205; Fax: 0135-2756865
Website: www.fri.res.in Email: po_fri@icfre.org

TENDER NO: X-38/2017-18/Purchase

BIDDING DOCUMENT

Online Tenders are invited from the reputed firms for the Purchase of Scientific Equipment “Automated Flash Chromatography System” for Chemistry Division of this Institute:-

Item No.	Name of Equipment	Quantity
1.	“Automated Flash Chromatography System”	01 No

The details of the above items and other Terms and Conditions, etc. are available in the Tender Documents. The tender documents forms and specifications are available at web site www.fri.res.in and CPPP site <https://eprocure.gov.in/eprocure/app>


PURCHASE OFFICER



Instructions to Bidders

The additional terms & condition/guidelines given in the notification No.2-1/2016-IFD Dated 10th July 2017 will also be consider during the evaluation of tender at the different stage.

Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>. Tenderer/Bidder are advised to follow the instructions provided in the "Instructions to the Tenderer/Bidder" for the e-submission of the bids online through the Central Public procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>

Hardcopies of EMD & Tender Fee or its exemption certificate must be reached in the prescribed form on or before the last date/time of online submission of the bid.

Not more than one tender shall be submitted by one tenderer/bidder having business relationship. Under no circumstances will father and his sons(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

Tenderer/bidder who has downloaded the tender from the www.fri.res.in and Central Public procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, **shall not temper/modify the tender form including downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD shall be forfeited and tenderer/bidder is liable to be banned from doing business with FRI in future.

The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country. Nationality must be disclosed by the supplier.

All Goods (brand new) and Related Services to be supplied under the Contract shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

The Purchaser (FRI) requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in **Annexure-I**.

Prices shall be quoted as specified in each Price Schedule (BOQ) as provided. The disaggregation of price components is required solely for the purpose of facilitating the comparison of bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. Prices shall be entered in the following manner:

(a) For Goods manufactured in India:

- (i) The price of the Goods quoted EXW (ex-works, ex-factory, ex warehouse, ex showroom, or off the-shelf, as applicable), including all excise duty and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods to be quoted in BOQ;
- (ii) GST and other taxes payable on the Goods to be quoted in BOQ, if the contract is awarded to the Bidder.
- (iii) The price for inland transportation, insurance, and other local services required to deliver the Goods to their final destination (Project Site) as specified in the Bid document to be quoted in BOQ.

(b) For Goods manufactured outside India, to be imported:

- (i) The price of the Goods quoted at FOB up to named place of destination as specified in the Bid Document to be quoted in BOQ.
- (ii) The price for inland transportation, insurance, and other local services required to deliver the Goods from the named place of destination specified in the Bid document to be quoted in BOQ.

(c) For Goods manufactured outside India, already imported:

- (i) The price of the Goods, including the original import value of the Goods; plus any mark-up (or rebate); plus any other related local cost, and custom duties and other import taxes already paid or to be paid on the Goods already imported to be quoted in BOQ in INR.

Intending tenderers/bidders are advised to visit again FRI website www.fri.res.in and CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days prior to closing date of submission of tender for any corrigendum / addendum / amendment.

Bids will be opened as per date/time as mentioned in the **Tender Critical Date Sheet**.

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Check List

Item No	(A) Qualifying documents	Yes/No	Page No.
1.	Tender fee/ Exemption certificate		
2.	EMD in shape of FDR /EXEMPTION certificate		
3.	Signed and scanned copy of AUTHORIZATION certificate, if applicable.		
4.	Signed and scanned copy of PAN card		
5.	Signed and scanned copy of TENDER ACCEPTANCE LETTER as per tender document.		
6.	Signed and Scanned copy of GST certificate, if applicable.		
7.	Signed and Scanned copy of Affidavit of PARTNERSHIP DEED , if applicable.		
8.	Signed and Scanned copy of AUDITED BALANCE SHEET of last three years .		
9.	Signed and Scanned copy of affidavit in non-judicial stamp paper of Rs 10/- by the firm that it has NEVER BEEN BLACK-LISTED/DEBARRED/BANNED by any Govt. Department/ Public sector must be attached along with the Bid, failing which the Bid shall be rejected.		
10.	Signed and scanned copy of DSG&D Enlistment Certificate. It is compulsory for all firms in India (agent/ authorized supplier/ dealer/ subsidiary/ integrators/ Distributors / Stockiest, etc. of their foreign principals) desirous to quote in foreign currency directly on behalf of their foreign principal and payment has to be made to their foreign principal, to get themselves enlisted with DGS&D as per directive of Department of Expenditure, Ministry of Finance. The enlistment is not equivalent to the Registration with DGS&D. Registration with the DGS&D shall not be treated as Enlistment if any firm in India quoting on behalf their foreign principal in foreign currency. Proof of enlistment with Department of Expenditure, Ministry of Finance through DGS&D for bidding firm in India who desires to quote directly on behalf of their foreign principal in foreign currency must be attached with the technical bid.		

(B) Technical documents

1.	Signed and Scanned copy of complete technical details/specification of the quoted items with make and model of all systems, sub systems and additional items mentioned in the technical bid. BROCHURES/ORIGINAL CATALOGUE with other Literature AND WRITE-UPS should be uploaded as proof.		
2.	Scanned and signed copy of users' list and supportive documents from the users for the satisfactory performance and after sales service which shows ATLEAST THREE YEARS EXPERIENCE of the firm for the supply/provide of similar type of goods/ services.		
3.	Scanned and signed copy of information about suitably TRAINED TECHNICAL STAFF along with WELL ESTABLISHED SERVICE NETWORK must be furnished, if applicable.		
4.	Scanned and signed copy of HANDS-ON TRAINING proposal for the staff of the Institute at site, if applicable		
5.	All specifications should be certified and guaranteed for GENUINENESS & BRAND NEW ITEM and that the model of the equipment is NOT GOING TO BE OBSOLETE in near future (5 years) (Scanned and signed copy of supportive documents from the Principal to be enclosed).		
6.	AVAILABILITY OF SPARES/PARTS for next five years to be ensured (supportive documents from the Principal to be enclosed)		
7.	Scanned and signed copy of TENDER DOCUMENT		

Note:

1. It is compulsory to fill the above check list.
2. The document should be submitted/uploaded online in CPP portal in the above order of the check list and place the check list as cover page with pagination of documents.
3. In the absence of any of the qualifying documents, the bid shall be rejected.

Conditions of Contract

Submission of Tender

The tender shall be submitted/uploaded online in Two parts, viz., Technical Bid and Price Bid.

The offers submitted by Hardcopy/Fax/email shall not be considered. No correspondence will be entertained in this matter.

All the pages of the bid being submitted/uploaded must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

Pre-bid conference:

A pre-bid conference will be arranged with the end users for finalization/clarification of technical specifications of the equipment. Bidders are requested to take part in the Pre-Bid Conference at scheduled date and time. The suggestions given by the bidders in the form of phone, email, FAX, etc. will not be entertained. The bidder must be present in Pre-Bid Conference, if bidder requires any change/modification in Bid Document. The change/modification will be incorporated in the Bid Document suggested by the bidder after the open discussion among the end user, other interested bidders and the committee members. The modified specifications, if any, after Pre-bid conference will be available at the cpp portal. After Pre-bid conference no changes will be accepted in the desired specifications. If no party attends the Pre-bid conference then listed specifications will be considered as final.

Cover 1. Technical Bid

Following documents are to be furnished by the Tenderer/Bidder along with Technical Bid as per the tender document:

A) Qualifying documents:

- i) **Tender fee:-**The tender form downloaded from above web sites must include Rs.590/- (including 18% Service Tax) by crossed Demand Draft in favour of Director, FRI as tender fee submitted by post / hand to Purchase Officer, Forest Research Institute, Dehradun-248006 on and before the end date of bid submission, and the scanned copy of the same should be uploaded in the Portal.
- ii) Earnest Money Deposit (EMD) should be submitted as **FDR** in favours of Director, Forest Research Institute, Dehradun by post / hand to Purchase Officer, Forest Research Institute, Dehradun-248006 on and before the end date of bid submission, and the scanned copy of the same should be uploaded in the Portal.



The EMD for ₹ 23,000.00 in shape of F.D.R in favour of Director, FRI for item "Automated Flash Chromatography System".

- III) Signed and scanned copy of Authorization certificate, if applicable.
- IV) Signed and scanned copy of PAN Number.
- V) Signed and scanned copy of Tender Acceptance Letter.
- VI) Signed and scanned copy of GST certificate if applicable.
- VII) Signed and scanned copy of Affidavit of partnership deed, if required.
- VIII) Signed and scanned copy of audited Balance sheet of last three years.
- IX) Signed and scanned copy of affidavit in non-judicial stamp paper of Rs 10/- by the firm that it has never been black-listed / debarred / banned by any Govt. Department / Public sector must be attached along with the Bid, failing which the Bid shall be rejected.
- X) Signed and scanned copy of DGS&D Enlistment Certificate. It is compulsory for all firms in India (agent/ authorized supplier/ dealer/ subsidiary/ integrators/ Distributors / Stockiest, etc. of their foreign principals) desirous to **quote in foreign currency** directly on behalf of their foreign principal and payment has to be made to their foreign principal, to get themselves enlisted with DGS&D as per directive of Department of Expenditure, Ministry of Finance. The enlistment is not equivalent to the Registration with DGS&D. Registration with the DGS&D shall not be treated as Enlistment if any firm in India quoting on behalf their foreign principal in foreign currency. **Proof of enlistment with Department of Expenditure, Ministry of Finance through DGS&D for bidding firm in India who desires to quote directly on behalf of their foreign principal in foreign currency must be attached with the technical bid.**

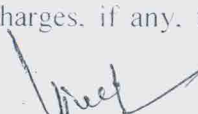
B) Technical Documents :

- i) Signed and scanned copy of complete technical details/specification of the quoted items with make and model of all systems, sub systems and additional items mentioned in the technical bid. brochures/original catalogue with other literature and write-ups should be uploaded as proof.
- ii) Scanned and signed copy of users' list and supportive documents from the users for the satisfactory performance and after sales service which shows atleast three years experience of the firm for the supply/provide of similar type of goods/ services.
- iii) Scanned and signed copy of information about suitably trained technical staff along with well established service network must be furnished.
- iv) Scanned and signed copy of on hand training proposal for the staff of the Institute at site.
- v) All specifications should be certified and guaranteed for genuineness and brand new item and that the model of the equipment is not going to be obsolete in near future (5 years) (supportive documents from the Principal to be enclosed).
- vi) Availability of spares/parts for next five years to be ensured (supportive documents from the Principal to be enclosed).
- vii) Scanned and signed copy of tender document.

Note: During the preparation of technical proposal, in addition to technical details of the equipment along with scanned copies of **original catalogue and other literature** and information as required in the list of the 'Qualifying & Technical Documents' of the bid document must be uploaded in CPP Portal as signed and scanned copy.

Cover 2. Price Bid

Hard copies of financial and technical bid should not be submitted physically to the Purchase Section FRI Dehradun. The financial proposal must be submitted / uploaded in the Schedule of price bid in the form of BoQ_1.xls separate for each item. Full details of business terms and conditions, e.g. packing and forwarding, delivery period, GST/Sales Tax/Trade Tax (whether provincial or Central), other Taxes/Charges, if any, the validity period of



please be indicated clearly. Prices must be quoted F.O.R. Dehradun. Foreign bidders, for **imported goods** if supplied directly from abroad, shall quote prices on **FOB value basis** in any freely convertible currencies. The price for inland transportation, insurance, and other local services required to deliver the Goods from the named place of destination specified in the Bid document to be quoted in BOQ. **The Price bid undertaking and Schedule of price bid in the form of BoQ_1.xls must be filled as per format given in Chapter –VI: Price Bid Schedule.**

Proposal Evaluation

Clarification of Bids:

To assist in the examination, evaluation, comparison of the bids, and qualification of the Bidders, the Purchaser, at its discretion, may ask any Bidder for a clarification of its Bid. The Purchaser's request for clarification and the response shall be in writing by post/email/fax etc. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered. No change, including any voluntary increase or decrease, in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors noticed by the Purchaser in the Evaluation of the bids.

If a Bidder does not provide clarifications of its bid by the date and time set in the Purchaser's request for clarification, its bid may be rejected.

Unresponsive bids

The bids will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions, etc. as prescribed in the Bid Document. The bids are liable to be treated as non-responsive and will be rejected if bidder does not upload qualifying and technical documents as required in the Bid Document.

Minor Informality/Irregularity/Non-Conformity

If during the preliminary examination, the purchaser find any minor informality and/or irregularity and/or non-conformity in a bid, **the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the bidders.** Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the bidder asking the bidder to respond by a specified date. If the bidder does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that bid may be ignored.

A two-stage procedure will be adopted in evaluating the proposals.

(i) Technical Evaluation:

The additional terms & condition/guidelines given in the notification No.2-1/2016-IFD dated 10th July 2017 will also be consider during the evaluation of tender at the different stage.

- (a) **Evaluation of Qualifying Documents:** Tenders shall be scrutinized and evaluated by the Technical Committee or a Committee constituted by competent authority with reference to parameters prescribed in the Bid document. First of all, the qualifying documents of the bid will be checked and in absence of any of qualifying documents, the bid will be rejected.
- (b) **Evaluation of Technical Specification:** Thereafter, the qualified bids shall be undergone for technical evaluation on the basis of the technical/ scientific specifications. The9



applying the evaluation criteria and point system as specified below. Each responsive proposal will be attributed a technical score. The points given to technical evaluation criteria are as under:

Technical specifications of the equipment	100
Total	100

The technical proposal should score at least 80 points out of 100 to be considered for Financial Evaluation.

- (ii) **Financial evaluation:** Financial bids of only technically qualified bidders shall be opened online for further scrutiny and evaluation on a date notified.

The purchaser shall evaluate the technically qualified financial bids for deciding lowest bidder (L-1) on the basis of ultimate landing cost. **Wherever, against a requirement, both indigenous as well as imported offers are received**, the offers for imported stores will be evaluated on the basis of the total landed cost after loading the custom duty and other levies, etc as may be applicable from time to time for taking purchase decision.

The ultimate/landing cost in respect of store is arrived at by considering following below elements including AMC, Warranty, and Extended Warranty cost, etc if any unless these are optional requirements.

(A) Indigenous stores

1. Basic price
2. Excise duty (if applicable)
3. Sale tax , service tax & other applicable taxes
4. Insurance, freight and transportation of goods up to sites

(B) Imported stores

1. Total Net FOB price in foreign currency of the project.
2. Plus Freight and Insurance charge over FOB price of shipment of stores coming through Customs.
3. Plus Custom Duty in India (if not exempted i.e. there is no mention in technical requirement to provide custom exemption certificate by consignee). Custom duty is applicable on hardware, software, Equipments, instruments, consumables and other items, etc. coming through customs Clearance. Custom duties on services are not levied.
4. Plus Landing clearing and Bank charges @1.0% of total net FOB price of the project.
5. Plus actual Inland freight/insurance/transportation of goods in India up to the user sites quoted by bidder.
6. Plus Service tax applicable in India, if any.



The offer will be subject to the following terms and conditions:

1. The goods to be supply must be **BRAND NEW** only.
2. The bidder needs not to submit technical and financial bid physically. However, EMD and Tender Fee must be reached physically on or before the end date/time of the tender by hand/post otherwise bid will not be entertained.
3. Please note that FRI, Dehra Dun has Custom Duty Exemption and Excise Duty Exemption Certificate. This may be kept in consideration while quoting the rates.
4. The stores are required to be delivered in full and within 90 days/or time given in Supply Order after acceptance of the offer. If supplier asks for extension, it should be within the validity period and penalty as liquidated damage shall be charges @ 0.5% per week or 2% per month up to the maximum of 10% of the bidding cost in the extension period. It may be waived in unavoidable circumstances with the approval of competent authority.
5. The offer should be firm and open for acceptance till 120 days from the stipulated date of opening. Price escalation will not be allowed.
6. Full details of business terms and conditions, e.g. packing and forwarding, delivery period, GST, other Taxes/Charges, if any, the validity period of quotation, discount, free delivery, packing or any other information relevant to the items may please be indicated clearly.
7. Freight, forwarding charges, if any, should be mentioned in the offer. In case of import being done by this institute, the FOB prices should be mentioned. The stores are required to be delivered to the consignee concerned and the consignee will do inspection and verification of the goods.
8. Indian vendor shall quote prices on F.O.R. destination (sites of consignee) basis and Payment to Indian supplier shall be paid in Indian rupees only.
9. The Indian bidder supplying imported goods shall quote in Indian Rupees only if purchase order to be placed to them. It is the responsibility of Indian firm to pay custom duty, etc. FRI shall not be responsible for custom clearance. Prices quoted by the tenderer shall remain firm and fixed during the contract.
10. Foreign bidders supplying imported goods directly from abroad shall quote prices on FOB value basis in any freely convertible currencies.
11. Foreign bidder may quote in INR towards allied service in India to be taken by their local partner. Any firm in India (agent/ authorized supplier /dealer/ subsidiary/ integrators/Distributors/ Stockist, etc of their foreign principal) quoting prices in foreign currency and payment has to go to his foreign principal; the Indian firm shall not be paid in foreign currency in such cases.
12. No bid should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the bidder.
13. Full specifications, details and information regarding the articles to be supplied, such as make, size, etc. along with scanned copies of **original catalogue** or certified copies of original catalogue etc. to be furnished with the offer.
14. The list of users of goods of similar or same nature in the country should also be enclosed.
15. Normal terms of payment will be 100% payment within 30 days after receipt and acceptance of goods in satisfactory working condition after installation. If training is also the part of the offer, 20% payment will be released after the training. Generally no advance payment is made. If it is essential in cases of maintenance contract /AMC, the advance payment will not exceed by 50% of the contract. It shall be paid after receiving the 110% Bank Guarantee. Other terms of payment should be clearly spelt in the offer. The LC will be opened in case of imported equipments quoted in the foreign currencies.

- Earnest Money (EMD), payable to the Director, Forest Research Institute, Dehradun, which will be refunded, without interest, if the offer is not accepted. In case the offer is accepted but not honored by the tendered; the Earnest Money will be forfeited. The Earnest Money will also be forfeited, if wrong information is given in the tender to influence the tender cost.
17. The Bidder should also specify regarding Dealership/Proprietary item and copy of the latest certificates from the principal should be produced with the tender.
 18. The tenderer should quote on their printed letter-head paper, indicating thereon Sales GST/Trade Tax No., Registration No., Fax No., Telex No., Telephone No., E-mail, etc.
 19. Variation in quantity is limited to 30% with the approval of competent authority. The reduction in the cost of the additional quantity of the goods/services will be 1% of the tender value.
 20. Two year onsite comprehensive WARRANTY for all the items and works to be given OR (as specified in specifications).
 21. All goods and related services to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations. The term "origin" used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and supplied.
 22. **Performance Bank Guarantee:** The supplier will have to submit a PBG or Performance security in the form of Bank Guarantee or FDR @ 5% of total order value from a commercial bank in an acceptable form within 21 days of issue of supply order. Performance security should remain valid for a period of 24 months beyond the date of completion of all contractual obligations of the supplier including the warranty obligations. Failure to abide by the contractual obligation will be liable to forfeit the Performance Bank Guarantee.
 23. Any or all Bidder can be rejected by the Director, FRI without assigning any reason. It cannot be challenged in any court. Disputes, if any, will be under the jurisdiction of Dehradun Court, Uttarakhand, India.
 24. In case the opening dates of bid and pre bid conference is declared holiday, the dates will be shifted to next working day.
 25. **The additional terms & condition/guidelines given in the notification No.2-1/2016-IFD Dated 10th July 2017 will also be consider during the evaluation of tender at the different stage.**

Important: EMD and tender fee should also be submitted physically before end date and time of bid submission in Purchase Section, Forest Research Institute, Dehradun, otherwise bid shall be rejected. Hardcopies of Financial and Technical bid need not to be submitted physically. They only submitted online in CPP portal.



Schedule of Requirements

List of Goods and Delivery Schedule

Line Item No	Description of Goods	Quantity	Physical unit	Final (Project Site) Destination as specified in Bid Document	Delivery Date		
					Earliest Delivery Date	Latest Delivery Date	Bidder's offered Delivery date [to be provided by the bidder]
Insert Item No	Insert Description of Goods	Insert Quantity of item to Be supplied	Insert Unit for the quantity	Insert Site of Destination	Insert Days following the date of effectiveness the Contract	Insert Days following the date of effectiveness the Contract	Insert Days following the date of effectiveness the Contract
1.	Automated Flash Chromatography System	1 No.	1 No.	As per tender documents			

List of Related Services and Completion Schedule

Service	Description of Service	Quantity ¹	Physical Unit	Place where Services shall be performed	Final Completion Date(s) of Services
[insert Service No]	[insert description of Related Services]	[insert quantity of items to be supplied]	[insert physical unit for the items]	[insert name of the Place]	[insert required Completion Date(s)]

1. If applicable



Specifications and Allied Details
(Description of the items and specifications)

Item No. 1 “Automated Flash Chromatography System” – One No

Specifications:-

SL. No.		Technical Specifications	Marks
1.	Model	Bench Top Model	2
2.	Gradient system	Computer controlled delivery of independent four solvents inlet for binary gradient, linear mode, isocratic and stepgradient. Further, the system should have change of solvent from one binary gradient to other binary gradient without switching off the system	5
3.	Solvent Flow Rate	1 to 70 ml/min or above	3
4.	Pumping System	Pumping system should be sufficient to give 10 bars/145 psi or more	3
5.	Detector	UV and UV-VIS with range 200-800 nm or better	4
6.	Fraction Collector	Automatic fraction collector with fraction tracking facility with peak to tube graphical interface	5
7.	Soft ware	Touch-screen controlled software for operation of the machine with chromatogram storage and processing	5
8.	Application software	<ul style="list-style-type: none"> Automated method based on inputting TLC Rfvalue for one or more target compounds Real Time monitoring Elution of solvent should be controllable Visual indication of elution of targeted compounds Simple and easy change of method parameters while system is in operation Visual indication to predict where and when target compounds will elute Built in touch pad with storage capacity of minimum 250 GB 	6
9.	Computer and printer	Branded PC with latest Windows and All in One Touch Pad, 500 GB Hard Disk minimum with 4GB RAM and latest laser printer	3
10.	TLC image reader	System should have image reader in order to calculate the Rf value and chromatography gradient solvent system automatically	10

11.	Rack	<ul style="list-style-type: none"> • Minimum number of fractions should be collected in one operation of 120 or above with normal/laboratory tube size of capacity 20-25 ml or as per the racks provided • The system should have safety features like rack sensors. It should possess stop of flow if rack is not in exact position; rack not in the fraction collector, rack not replaced after fraction collection and pressure moderating system 	5
12.	Solvent monitoring	System should have solvent level monitoring in pump solvent inlet and waste level monitoring system for physical solvent management.	4
13.	Packed silica/alumina/reversed phased columns	<p>System should be capable to use 4 gm to 300 gm disposable prepacked silica/alumina/ reverse phase columns in the columns provided</p> <p>Following columns should be provided with all fittings and connectors</p> <p>40 g prepacked column 10 no.</p> <p>120 g prepacked silica column 5 no.</p>	6
14.	Sample loader	Liquid and solid samples in 5 and 25 g sizes	3
15.	Columns compatibility	<ul style="list-style-type: none"> • System should be flexible to use other glass columns and polypropylene prepacked/refillable columns of C18 ODS, normal silica, alumina etc. of different sizes using own packing material in laboratory • There should be flexibility to use empty self-packing glass column • System should also be capable to use any make flash columns available in the market 	7
16.	Accessories	All the essential accessories for complete working of system viz. adapters, septa holders, ferrules, septa, tubings etc. for smooth functioning of the system must be provided for a period of at least five years	5
17.	System up gradation	The system should have facility to upgrade with the external detector viz. RI, ELSD, Mass or any other detector as per requirement	4

Living

18.	Experience of the firm	<ul style="list-style-type: none"> • All the specifications quoted must match with the published literature as well as with the specifications available online • Each vendor while giving the compliance must mark or highlight the specifications quoted on the brochure/flier • Tool kit for self-maintenance of the system • Demonstrable relevant experience of the firm supported by relevant documents. • A letter from principals that all the spare parts quoted must be of same make. • A letter from principals indicating that all spares should be available for a period of ten years from the date of installation 	10
19.	Warranty, demonstration, training, tool kit etc.	<ul style="list-style-type: none"> • Free installation and one year warranty on the letter head of Principals with contact details of the principals • Free training onsite as well as their application / research laboratory • Support in form of literature survey, application notes, laboratory, method development, frequent training, and standard substances, wherever possible. 	10
Total Marks			100

Wiley

Price Schedule

(a) **Price bid undertaking:** The format of Price bid undertaking as given under:

From: (Full name and address of the Bidder)

To,

The Director
FRI, Dehradun

Dear Sir/Madam,

I submit the price Bid for ----- and related activities as envisaged in the Bid document.

I have thoroughly examined and understood all the terms and conditions as conditions as contained in the Bid document, and agree to abide by them.

I offer to work supply the quoted item at the rates as indicated in the price Bid, Annexure IV inclusive of all applicable taxes except Service Tax.

Yours faithfully,
Signature of authorized Representative

(b) **Schedule of price bid in the form of BoQ_1.xls**

The prices should be quoted only in BoQ_1.xls available in the cpp portal.

The below mentioned Financial Proposal/Commercial bid format is provided as BoQ_1.xls along with this bid document at <https://eprocure.gov.in/epublish/app>. Bidders are advised to download at this BoQ_1.xls as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **Bidder shall not tamper/modify downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and bidder is liable to be banned from doing business with Forest Research Institute.

1. The rates, taxes, charges, etc. should be quoted as per BoQ.
2. All taxes, fees, levies, etc. and any revision in the statutory taxes/fees, etc will be the responsibility of the Bidder.
3. In case of any discrepancy/difference in the amounts indicated in figures and words the amount in words will prevail and will be considered.
4. The quoted rates shall remain firm throughout the tenure of the contract and no revision is permissible for any reason.

Authorized Signatory
(Signature of the Authorized Person)



Agreement/Contract Form

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.

Tender Reference No:
Name of Tender / Work:

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) name _____ as
per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (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.
3. The corrigendum(s) issued from time to time by your department/organisation too have also been taken into consideration, while submitting this acceptance letter
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred / banned by any Govt. Department/Public sector undertaking.
6. 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.



Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Other Standard Form

Format for Bank Guarantee

To

Director
Forest Research Institute
P.O. New Forest
Dehradun

Your Order No. _____ for the supply and delivery of _____ has been accepted by
M/s _____.

In accordance with the terms of payment of the said order, we have agreed to pay the balance of 5% of the contract price of the supplier, furnishing you with an acceptable Performance Bank Guarantee for 5% of the total contract value, viz Rs. _____ for the due performance by the Supplier of all its contractual obligations and to be valid for a period of 24 months for the date of bank guarantee for this purpose you have agreed to accept our guarantee.

In consideration thereof, we hereby guarantee payment of and undertake to pay Rs. ____ and remit to you on demand and without demur the sum of Rs. _____ being 5% of the total value of the contract on receipt of your intimation that the Supplier has committed a breach of any of its contractual obligations.

This guarantee shall be valid for a period of 24 months from the date of Installation of the equipment in satisfactory condition or 27 months from the date of dispatch of the last lot of consignment whichever is earlier, and in any event shall expire on _____, you shall have the right to file/make your claim on us under the guarantee for a period of sixty days from the said date of expiry.

This guarantee shall not be revoked without your express consent and shall not be affected by your granting time or any other indulgence to the supplies or by any change in the constitution of the Bank or the supplies or for any other reason whatsoever.

Not with standing anything, contained herein above our liability under this guarantee is restricted to Rs. _____ and this guarantee will remain in force up to and inclusive of _____ - unless an action to enforce a claim under the guarantee is filed against us within sixty days from the date of expiry i.e. on or before _____, all rights under the guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.



Signatory Bank with Seal