



क्रय अनुभाग
वन अनुसंधान संस्थान
(भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद)
देहरादून-२४८००६, उत्तराखण्ड
GSTIN 05AAAAI1708G2Z6
PAN NO. AAAAI1708G

Purchase Section
Forest Research Institute,
(Indian Council of Forestry Research and Education)
Dehradun-248006, UTTARAKHAND
Phone: 0135-2224205
http://fri.icfre.gov.in/tender/
Email: po_fri@icfre.org



Notice Inviting Tender (E-Publishing mode)
निविदा दस्तावेज/ Tender Document

Ref. No X-131/POFRI/DFP (WS) /SK/AICRP-5/2020-21
TENDER ID: 2021_ICFRE_593499_1

Date: 02/03/2021

Physical Bids (Offline mode) under two bid system (Technical and Commercial) are invited from the reputed manufacturer /authorized supplier/dealer for the following items. The bids complete in all respect must reach by By-post/By-hand/By-Courier etc., to the Purchase Officer, Purchase Section, Forest Research Institute, P.O. New Forest, Dehradun-248006, Uttarakhand, India on or before:

Bid Submission End Date	23-03-2021	Time	03:00 PM
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वस्तु की तकनीकी विशिष्टताये / Technical Specification of item:

S. No.	Name of item	Quantity	Warranty	EMD (Rs.)	Tender Fee (Rs.)
1.	Fabrication, Supply, Installation and Commissioning of a "Batch Microwave Vacuum Dryer System for timber"	01 No.	As per Specification Annexure-VII	35,000/-	NIL

(For Detailed Technical Specification Please 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. Shailendra Kumar	Forest Products Division, (Wood Seasoning Discipline) FRI Dehradun	Ph: 0135-222-4423, Mob. No. 9837086111 Email: kumarsro@icfre.org
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Critical Date Sheet

S.No.	Particulars	Date	Time	Location
1.	Published Date	02.03.2021	03:00 PM	FRI website and CPP portal: https://www.eprocure.gov.in/epublish/app
2.	Bid Document Download Start Date	02.03.2021	03:30 PM	At CPP Portal as above
3.	Seek Clarifications Start Date	02.03.2021	5:00 PM	Through Phone/Email
4.	Bid Submission Start Date	02.03.2021	05:00 PM	At Purchase Section, FRI Dehradun
5.	Seek Clarification End Date	22.03.2021	05:00 PM	Through Phone/Email
6.	Bid Submission End Date	23.03.2021	03:00 PM	At Purchase Section, FRI Main Building
7.	Bid Opening Date	23.03.2021	04:00 PM	At Purchase Section, FRI Main Building

Sd/
[PURSHCASE OFFICER]

CHAPTER-1: INSTRUCTION TO BIDDERS

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

1.2 Checklist as per Annexure-I, must be filled along with page numbers of tender document failing which bid is liable to be rejected and no further correspondence in this regard will be entertained.

1.3 Duly filled Annexure-1 must be placed in the front part of tender document.

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

1.5 Supply means: "Supply, Fabrication, Installation & Commissioning".

1.6 बोली का जमा किया जाना / Submission of Bids:

(i) The bids should be submitted with Supporting / Required documents in two parts:

(a) The Technical Bid (Annexure – I, II, III, IV and V.

(b) The Financial Bid (Annexure – VI)

Both the above bids should be in separate sealed covers and then these two sealed packets (with the identification statement clearly written-Technical Bid OR Financial Bid) should be put in one covering sealed envelope labeled on the left hand top corner of their envelope mentioning followings:

Ref. No X-131/POFRI/DFP (WS) /SK/AICRP-5/2020-21, TENDER ID: 2021_ICFRE_593499_1

Bid Submission End Date/Time:	23-03-2021	by	03:00 PM
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Name (in full) and complete address of the firm should be mentioned on left hand bottom corner of the covering envelop.

(ii) The bids should be printed on official pad preferably with GST Number of the firm.

(iii) The quotations 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) Quotation/Bids 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 90 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/ sending rates, the firm shall give an undertaking as per Annexure-IV.

(xii) The quotations should be given for the items in the same order & specification as in the enquiry letter/tender document.

(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.**

(xv) **Firm from India quoting on behalf of their foreign principal**

(a) Copy of agreement, with their foreign principal with the precise relationship between them, their mutual interest and nature of services which would be available from bidding firm from India, shall be submitted along with their tender.

(b) Price to be quoted in Indian Currency only.

1.7 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 / Demand Draft 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 mentioned the Tender Fee and EMD details as per quote item (s) and the hard copy of these payment (s) along with the

bid proposal should be deposited to the Purchase Officer, Purchase Section Forest Research Institute, Dehradun-248006 on or before the Bid Submission end date. Time as mentioned in Critical date sheet.

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.

1.8 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. 3% 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. Bank Guarantee will only be accepted in the form of FDR/Bank Guarantee. **Bank Guarantee in the form of demand draft will not be accepted.**

1.9 बोलियों का खोला जाना/Opening of Bids:

- 1) The technical Bids will be opened as given below. Representatives of the firms (s) may be present at the time of opening the technical bid if they so desire at below schedule (No information shall be given to the late arrivals regarding the bids):

Bid Submission Opening Date/Time:	23-03-2021	04:00 PM	Venue: Purchase Section, Main Building, FRI Dehradun
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- 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 on by post/e-mail.
- 3) 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 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.
- (ii) 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
- (iii) The price mentioned in Financial Bid must be inclusive of transportation, insurance, Custom Clearance Charges (if any) loading/unloading, installation, commissioning, training, warranty, AMC(if any) and any other incidental/local service required for delivering the goods for desired destination as decided by FRI Dehradun.
- (iv) The institute will not be responsible in case of the bidders failing to include charges towards insurance & transportation, installation, commissioning and training, warranty, AMC (if any). **The price mentioned in the financial bid 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 bidder shall ensure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 5 years from the date of supply of equipment on payment on approved price list basis.
 - (v) 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
 - (vi) The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.
 - (vii) 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.
 - (viii) 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 (Supply, Fabrication, Installation & Commissioning) of the item at site of the firm, if required.

2.5 वस्तु की आपूर्ति / Supply of Item:

The whole supply (Supply, Fabrication, Installation & Commissioning) 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 (Supply, Fabrication, Installation & Commissioning) 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) Where installation is not required: 100% payment will be made after satisfactory delivery of material duly certified by the HOD. **OR**
 - b) Where installation is required: 100% payment will be made after satisfactory delivery and installation of the material duly certified by the HOD. **OR**
 - c) 100% Advance will be paid against submission of 110% Bank Guarantee of the Total Order value subjected to the approval of competent authority.
- (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.

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 10% 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 of 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 the pages of Tender Document are not sequentially numbered and signed.
- (iii) If documents as per Annexure-I are not attached.
- (iv) If technical bid found without the required undertaking (Annexure-IV).
- (v) 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.
- (vi) Canvassing in any form will result in disqualification.
- (vii) If "extra, as actual" etc. are mentioned against any of the price components in the bid, then the bid will be rejected.
- (viii) If it is found that a bidder has submitted two/multiple bids for the same item/equipment, both/all the bids will be outrightly rejected.
- (ix) 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 Financial Bid in form of Annexure-VI have to be sealed in two separate packets and then submitted in one single large sealed envelope.**
- (ii) If the Supplier/firm is manufacturer/authorized dealer/sole distributor/of the item, the certificate to this effect should be attached.
- (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/bid wholly or partly without assigning any reason.
- (vii) The Forest Research Institute (FRI) Dehradun reserves the right to cancel the tender at any stage without assigning any reason
- (viii) The quantity shown against the item is approximate and may vary as per demand of the Institute at the time placing order.
- (ix) The decision of the Institute in all matters relating to eligibility, acceptance, rejection of the bid will be final and binding on the applicants.

- (x) Forest Research Institute (FRI) Dehradun discourages High Sea Sale Purchase. All tenders with High Sea Sale will be rejected.
- (xi) 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.
- (xii) If the due date happens to be a holiday, then the bid will be accepted till 03.00 PM and opened at 04.00 PM of the next working day followed by the holiday.**
- (xiii) 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.
- (xiv) Indian Agent should submit the certificate from the Foreign Principal that they are the Authorized & Registered Indian Agent.**
- (xv) 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 only at our Institute website <http://fri.icfre.gov.in/tender/>. Hence prospective bidders are advised to visit the Institute website regularly.
- (xvi) Any corrigendum/addendum/errata in respect of the Tender Notice/ Enquiry letter shall be made available CPP Portal (<https://www.eprocure.gov.in/epublish/app>) and <http://fri.icfre.gov.in/tender/>. Hence prospective bidders are advised to visit the CPP Portal (<https://www.eprocure.gov.in/epublish/app>) and <http://fri.icfre.gov.in/tender/> regularly.
- (xvii) 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.**
- (xviii) 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.
- (xix) Before submission of bids, bidders should read the complete enquiry letter/tender document carefully and ensure that the bidders fulfill the eligibility criteria.
- (xx) In case the item /product is under rate contract with DGS&D or GeM, than bidder should certify that the rate quoted is not over and above (higher side) the rates under RC with the DGS&D or GeM.
- (xxi) 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.
- (xxii) 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.
- (xxiii) Indian Council of Forestry Research & Education, Dehradun is registered with the Department of Scientific and Industrial Research (DSIR) for purposes of availing customs duty exemption in terms of Government Notification No. 51/96-Customs dated 23 July, 1996 and Central Excise duty exemption in terms of Government Notification No. 10/97-Central Excise dated 1 March, 1997.

Chapter-4:	Specification and allied Technical details	Please See Annexure-I, II, III, IV, V & VII
Chapter-5:	Financial/Price Schedule (to be utilized by the bidders for quoting their prices)	Please See Annexure- VI
Chapter 6:	Contract Form	Purchase Order is used as Contract Form

Sd/-
[PURCHASE OFFICER, FRI]

CHECK LIST
(Eligibility Criteria for Bidders)

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

Envelope – 1 (Technical Bid) (Following documents to be provided with BID)			
S. No.	Content	Attached (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 Commercial/Financial Bid: Annexure- VI		
10.	*Printed CATALOGUE/BROUCHER/LEAFLET of the quoted item(s) enclosed.		
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/AICTE colleges etc. attached for reasonability of rates: Annexure-V		

Envelope – 2 (Financial Bid) (Following documents to be provided with BID)		
S. No.	Price Bid – Annexure VI	Attached (Yes/No)

***Note:** Separate sheets need to be attached in case of quoting for more than one equipment as applicable.

- 1. Checklist as per above Annexure-I, must be filled along with page numbers of tender document.**
- 2. Above checklist (annexure-1) must be kept in the front part (first page) of tender document.**

Note :- In Failing of above, bid shall be summarily rejected & no further correspondence in this regard will be entertained.

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 Please 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 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.
 - (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 printed Catalogue/Leaflet/Brochure etc.
 - (iv) Volume & Weight of the item should also be mentioned.
 - (v) Separate Compliance Sheets (Annexure-III) must be attached 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-131/POFRI/DFP (WS) /SK/AICRP-5/2020-21
TENDER ID: 2021_ICFRE_593499_1

Date: 02/03/2021

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 given on Company Letter Head)

Ref. No X-131/POFRI/DFP (WS) /SK/AICRP-5/2020-21

Dated: 02/03/2021

TENDER ID: 2021_ICFRE_593499_1

Rates:						
S. No.	Name of item / Specifications/ Make/Model....	Qty.	Unit Rate (Rs.)	Amount (Rs.)	*GST etc. @5%	TOTAL (Rs.)
1.	Fabrication, Supply, Installation and Commissioning of a "Batch Microwave Vacuum Dryer System for timber" As per specification at Annexure-VII Make & Model.....	01				
Total						
Grand Total Rs.						

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

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

- 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: **Two months from the date of issuing of the purchase order**
4. Other Charges:
5. Warranty: **As per Specification**
6. Rejection: Equipment if found not as per the required specification, warranty and AMC /CMC, 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: 3% 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.

Customs Details:

- (i) **Forest Research Institute, Dehradun Custom House Agent (CHA) Address**
M/s Cwick (Import Consolidation), Private Limited,
L-II/101, New Mahavir Nagar Extension,
Outer Ring Road, New Delhi-110018,
E-mail: info@cwickimport.com and followup@cwickimport.com
Tel: + 91-09313996082, + 91-11-25996082, + 91-11-25992781

- (ii) **Details of Institute:**
Import Export Code (IEC code FRI) – 0100000011
AD CODE:- 02900682870007
Union Bank of India, Main Branch, Rajpur Road, Dehradun-248001

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

SPECIFICATIONS

Name of Item: Fabrication, supply, installation and commissioning of a 'Batch Microwave Vacuum Dryer System for timber'

1. Product and Process Data.	
Description of object to be dried	Wooden planks (approximately 1800-2000 mm long, 75 mm thick and 125 mm wide)
Throughput (Wet)	10 kgs/hr
Initial Moisture Content	60-80%
Initial Moisture Content	8-12%
Total Heating Time Cycle	Variable
2. Basic Features of The System.	
Types of Magnetron used	Air Cooled 2 kW/2450±50 MHz x 3Nos.
Heating Power	6 kW
Magnetron life indicators	Fitted with all the magnetrons
Control on magnetrons	Settable power and time in multiplication of 200 W and minutes
Dimension of the vacuum tank (inner)	Length= 2000 mm Diameter= 450 mm
Trolley for loading and unloading	The vacuum tank to be provided with a trolley on wheels and rails for loading and unloading of the timber outside the vacuum tank
	MW chamber to be insulated from out-side with good quality insulation material
	The vacuum tank to be constructed with SS 304 with sufficient thickness to withstand 750 mm of Hg (gauge) vacuum level.
	The system self-supported in straight line with front openable door for material handling trolley passes through the heating chamber
	The design to be suitable for heating the wooden planks from all sides
Wave guides	3 Nos. separate wave-guide constructed in aluminium/SS materials are provided for avoid interference and concentrate the MW energy on product evenly for heating in Chamber.
Magnetron positioning	Magnetrons can be mounted from the top side or better engineering designs on positioning may be adopted
Internal Wiring	fibreglass coated, heat resistant wires
Temperature Sensing	Non-contact IR and 4 Nos of contact fiber optical Sensor are mounted on the chamber at five locations.
Vacuum Pump	<ul style="list-style-type: none"> • Double stage, 3HP, water ring type suitable for extracting moisture • Vacuum control system with digital display

	<ul style="list-style-type: none"> • Direct drive. • Water cooled. • Inlet Particulate Filter. • Exhaust Silencer. • Skid mounting base.
Hot air intake	Hot air is impinged in chamber for pre-warming/heating. This is done by Centrifugal fan and heating system
Power consumption meter	A power meter capable of data acquisition and logging to be fitted with the main electrical input to measure the power consumption.
Working	The supplier should be able to demonstrate the drying of timber along with the stacking scheme.
3. Control panel and support structure	
The system to be self-supporting and each modular section of system has its own supports.	
Outer Insulated enclosure	<ol style="list-style-type: none"> 1. The insulation panels are mounted on outer structure. 2. The panels are sandwiched type, with 50mm insulation in-between. 3. Material of construction Inner SS 304 / Outer MS powder coated
Control Scheme	<ol style="list-style-type: none"> 1. Manual on/ off with the help of MCBs. 2. PLC with HMI is provided for sequence controlling of precise temperature-time profile for process. 3. Data acquisition of temperature, time and vacuum controls provided.
PLC and automation	<p>Is provided for logical sequence controller & automation. consists of –</p> <ol style="list-style-type: none"> 1) CPU Siemens/Mitsubishi. 2)I/Os <ul style="list-style-type: none"> •Digital input –18 •Digital output –16 •Analog input –8 •Analog output –8 3)7” HMI Touch Screen. 4) Communication port Modbus interface RS485 / Ethernet.
4. Data acquisition	
Data acquisition and logging	Temperature, time and vacuum controls along with display and logging facility
5. Wood moisture content monitoring	
Pin type moisture meter with hammer system	With Digital Display
6. Safety features	
Safety features	<ul style="list-style-type: none"> • Interlock provided with door lock, so that if the door is closed then the system is switched ON.2. • Interlock provided with Magnetron air cooling fan and vacuum Pump so that if fans/pump trips an alarm is operated, automatically. • Emergency switch off.

7. Warranty	
Warranty required	2 years
8. Transportation and commissioning	
The supplier will be responsible for the safe transportation and installation of the machine. The supplier shall bear all the costs of wiring and civil work if needed.	
9. Training for operation	
Two days training by the engineers of the supplier will be needed after commissioning of the machine	
12. Control panel and support structure	
1. The system is to be self-supporting. 2. Each modular section of system has its own supports.	
Outer Insulated enclosure	1. The insulation panels are mounted on outer structure. 2. The panels are sandwiched type, with 50mm insulation in-between. 3. Material of construction Inner SS 304 / Outer MS powder coated
Control Scheme	1. Manual on/ off with the help of MCBs. 2. PLC with HMI is provided for sequence controlling of precise temperature-time profile for process. 3. Data acquisition of temperature, time and vacuum controls provided.
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13. Delivery time	
Two months from the date of issuing of the purchase order	