

E-Tender

Two Bid Tender Document

For

Purchase of PCR Thermal Cycler, Refrigerated Micro Centrifuge, Ultra –low temperature (-86°C) Freezer, High Throughput vertical gel assembly with power pack, Horizontal electrophoresis system with power pack for Institute of Forest Productivity, Ranchi



Institute of Forest Productivity

Lalgutwa, NH-23 Ranchi Gumla Road, Ranchi - 835303 (Jharkhand)

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वन उत्पादकता संस्थान
भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद
वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की एक स्वायत्त
निकाय



लालगुटवा, एन.एच-23, गुमला रोड, राँची - 835303झारखण्ड
E-mail: dir_ifp@icfre.org Phone: 0651-2526140, 2526150

No. Store-I-PI-PI-FGR-55/2019-20(II)

Date: 08/09/2021

NOTICE INVITING TENDER

Tenders are invited from reputed Firms/suppliers etc. For “Procurement of PCR Thermal Cycler, Refrigerated Micro Centrifuge, Ultra –low temperature (-86°C) Freezer, High Throughput vertical gel assembly with power pack, Horizontal electrophoresis system with power pack for Institute of Forest Productivity, Ranchi Lalgutwa, NH -23 Ranchi Gumla Road, Ranchi - 835303 (Jharkhand), through the E-procurement portal at the URL <https://moefcc.euniwizarde.com>

The tender documents and other document may be downloaded from the above Portal site <https://moefcc.euniwizarde.com> and NIT of the tender will also be available at <http://ifp.icfre.gov.in> as per the schedule given in CRITICAL DATE SHEET as under. No hard copy of the tender document will be provided from the institute.

CRITICAL DATE SHEET

Published Date on website	13 th September 2021 (11.30 AM)
Bid Submission Closing Date and Time	4 th October 2021 (05.00 PM)
Bid Opening Date and Time	5 th October 2021 (11.00 AM)

Only bidders registered on E-wizard Portal i.e. <https://moefcc.euniwizarde.com> can participate in online bidding process. Hence, the prospective bidders should ensure their registration on the E-wizard Portal. For further reference, bidders can check “Bidders Manual Kit” available in Downloads link at <https://moefcc.euniwizarde.com>

Name of Tender : Purchase of PCR Thermal Cycler, Refrigerated Micro Centrifuge, Ultra –low temperature (-86°C) Freezer, High Throughput vertical gel assembly with power pack, Horizontal electrophoresis system with power pack.

Tender No. : 57/2021-22 (store)

Ref. file No. : No. Store-I-PI-PI-FGR-55/2019-20(II)

Tender Processing Fee: As per the terms of ITI Limited.

Tender Fee : Rs. 1,770.00 (including 18% GST)

Item No.	Items Name	EMD
Item No. I	PCR Thermal Cycler	Rs.15,000.00
Item No. II	Refrigerated Micro Centrifuge	Rs.12,500.00
Item No. III	Ultra –low temperature (-86°C) Freezer	Rs. 30,000.00
Item No. IV	High Throughput vertical gel assembly with power pack	Rs. 5,000.00
Item No. V	Horizontal electrophoresis system with power pack	Rs.7,500.00

Address of Office : Institute of Forest Productivity, P O - Lalgutwa, NH-23 Ranchi Gumla Road, Ranchi - 835303, Jharkhand.

Tender Processing Fee – As per the terms of ITI Limited.

Tender Fee, EMD etc. in the form of DD in favour of Director, Institute of Forest Productivity, Ranchi payable at Ranchi must be delivered to the Director, Institute of Forest Productivity, P O - Lalgutwa, NH-23 Ranchi Gumla Road, Ranchi - 835303, Jharkhand on or before bid opening date/time as mentioned in critical date sheet (5th October, 2021 (11.00 AM) Duly filled and signed tender document complete in all respect may be uploaded on the E-wizard Portal latest by 4th October, 2021 as per the critical datasheet along with all the documents mentioned in the tender form. Tenders submitted in the hard copy will not be accepted. Only original hard copy of Tender Fee and EMD will be accepted.

Instructions to Bidders

The bidders are required to submit the soft copies of their bids on the e-tender portal using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the e- procurement portal, prepare their bids in accordance with the requirements and submitting their bids online on the e- tender Portal.

More information useful for submitting online bids on the e-procurement portal may be obtained at <http://moefcc.euniwizarde.com>

Registration with M/s ITI Ltd. Portal (<https://moefcc.euniwizarde.com>)

Registration with M/s ITI Ltd: - Intending bidders are requested to register themselves with M/s ITI Ltd (if not registered earlier) through <https://moefcc.euniwizarde.com> for obtaining user-id, by paying a registration fee (2000 + GST), online tender processing fee etc. Bidders are also required to obtain **Digital Signature** for participating in the e-tender.

E-Tender Processing Fee – As per the terms of ITI Limited

For participating in the e-Tendering process, the contractor shall have to get them registered on the site <https://moefcc.euniwizarde.com> by making required payment through only online payment mode so that they will get user ID and Password. This will enable them to access the website, <https://moefcc.euniwizarde.com> with the help of Digital Signature by which they can participate in e-Tender. For this intending bidder may contact following e-Wizard Helpdesk numbers.

1. E-Wizard Helpdesk

1st floor, M-23, Road No.-25,

Near SBI Sri Krishna Nagar, Patna-800001.

Phone No.: 0612-2520545 or 9504661237, 9835871522, 9852764810, 9504486212

The intending bidder must have valid Class-III (**Signing + Encryption**) Digital Signature to submit the bid online. For this intending bidders may contact above mentioned helpdesk number.

Searching for Tender Documents:

There are various search options built in the e-procurement portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Item/work id, Title, Date, etc.

Once the bidders have selected the tenders in which they are interested, bidder can pay non-refundable processing fee as per terms of ITI limited by net banking /Debit/ Credit Card they you may download the required documents / tender schedules, Bid documents etc. Once you pay both fee, tenders will be moved to the respective "Register" Tab. This would enable the e-procurement portal to intimate the bidders through e- mail in case there is any corrigendum issued to the tender document.

- Institute of Forest Productivity, Ranchi is a research organization under Indian Council of Forestry Research and Education, Government of India. The IFP campus is situated at Gumla Road NH-23, Lalgutwa, Ranchi. Online Tenders are invited from reputed, experienced contractors/service firms/persons, who have not been blacklisted by any government Department/Agency
- Earnest Money Deposit (EMD) and e-tender fees are to be submitted in the form of DD in favor of Director, IFP and scanned copy/soft copy of the DD receipt shall be uploaded along with the bid. Offers/Bids. Tender/Bid/Offer without e-Tender fees and the Earnest Money Deposits would not be considered and liable to be rejected.
- The contractor/firm shall have the nationality of an eligible country. A contractor/firm shall be deemed to have the nationality of a country. If it is a citizen or constituted, incorporated, or registered and operates, it will be in conformity with the provision of the laws of India. Nationality must be disclosed by the supplier.

The prices should be quoted in the following manner:

- I. The price quoted for the item of works would include the cost of materials required as per the specification specified in the said item of work as well as labour charges etc. including all excise duty and sales and other taxes already paid or payable for the said work.
- II. The Director, IFP reserves the right to reject any or all the tenders without assigning any reasons whatsoever.

Tenders/Bidders who has downloaded the tender form the <http://ifp.icfre.org> and <http://moefcc.euniwizarde.com> shall not tamper / modify the tender form including downloaded price bid template in any manner. In case if the same is found to be tampered/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 IFP in future. Signed and Scanned Copy of EMD must be uploaded at <http://moefcc.euniwizarde.com> and Original must be submitted and or before Closing date.

CHECKLIST

Item No.	Qualifying Documents	Yes/no	Page No.
1.	Scan Copy of Tender Fee of Rs.1770/- in shape of DD in favour of Director, Institute of Forest Productivity, Ranchi payable at Ranchi		
2.	Scan Copy of EMD in shape of DD in favour of Director, Institute of Forest Productivity, Ranchi payable at Ranchi		
3.	Signed and scanned copy of PAN card		
4.	Signed and scanned copy of Tender Acceptance letter as per tender document		
5.	Signed and Scanned copy of GST certificate		
6.	Signed and scanned copy of MSME/ NSIC Registration (if exemption of tender fee and EMD is claimed)		
7.	Signed and Scanned Copy of Audited Balance Sheet of last three years		
8.	Signed and scanned copy of authorized dealership certificate		
9.	Signed and scanned copy of complete technical details/specifications of the quoted items with make and model of all systems, sub-systems and additional items mentioned in the technical bid BROUCHERS/ORIGINAL CATALOGUE with other literature and write-ups should be uploaded as proof		
10.	Signed and scanned copy 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.		
11.	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 e 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 above documents, the bid shall be rejected.

SIGNATURE OF THE TENDERER

Conditions of Contract

Submission of Tender

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

The offers submitted by Hardcopy/Fax/email shall not be considered. No correspondences 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.

Cover 1 Technical Bid:

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

Qualifying Documents:

- I. Tender Fee of Rs.17,70/- in shape of DD in favour of Director, Institute of Forest Productivity, Ranchi payable at Ranchi and scanned copy of the same should be uploaded in the portal. <http://moefcc.euniwizarde.com>
 - II. **EMD:** Rs. 15,000/- (PCR Thermal Cycler), Rs. 12,500/- (Refrigerated Micro Centrifuge), Rs. 30,000/- (Ultra –low temperature (-86°C) Freezer), Rs. 5,000/- (High Throughput vertical gel assembly with power pack), Rs. 7,500/- (Horizontal electrophoresis system with power pack) is to be deposited in form of DD in favour of the Director, Institute of Forest Productivity, payable at Ranchi and scanned copy of the same should be uploaded in the portal. <http://moefcc.euniwizarde.com>
 - III. Signed and scanned copy of PAN number
 - IV. Signed and scanned copy of GST certificate , if applicable
 - V. Signed and scanned copy of MSME/ NSIC Registration (if exemption of tender fee and EMD is claimed)
 - VI. Signed and scanned copy of audited balance sheet of last three years.
 - VII. Signed and scanned copy of authorized dealership certificate/OEM Certificate.
 - VIII. Signed and scanned copy of complete technical details/specifications of the quoted items with make and model of all systems, sub-systems and additional items mentioned in the technical bid BROCHERS/ORIGINAL CATALOGUE with other literature and write-ups should be uploaded as proof
 - 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. Scanned and signed copy of tender document.
 - XI. Scanned and signed copy of Tender Acceptance letter as per tender document.
- Important: Earnest Money Deposit (EMD) and E- tender fees are to be submitted through DD in favour of Director, Institute of Forest Productivity payable at Ranchi in original must be Submitted on or before closing date and the scanned copy/soft copy of the same shall be uploaded along with the Tender/ Bid offers. Bids without Earnest Money Deposits would not be considered and the same would be rejected.

Cover 2: Price Bid:

Hard copies of financial bid should not be submitted physically in this institute. The financial proposal must be submitted/uploaded in the schedule of price bid in the form BOQ.xls separate of each item. Full details of business terms and conditions e.g. GST sales tax/Trade tax (whether provincial or Central), 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. **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 – V: 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 or 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 prescribe 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. Whenever 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:

- (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 qualifying documents the bid will be rejected.

(ii) **Financial Evaluation:**

- (a) Financial Bids of only technically qualified bidders shall be opened online for further scrutiny and evaluation.

Terms and Conditions

1. The Director, Institute of Forest Productivity (Indian Council of Forestry Research and Education), Govt. of India, Ranchi invites e-tender under Two Bid System for Purchase of PCR Thermal Cycler, Refrigerated Micro Centrifuge, Ultra -low temperature (-86°C) Freezer, High Throughput vertical gel assembly with power pack, Horizontal electrophoresis system with power pack from experienced and registered contractors/service firms/ persons who fulfill the minimum eligibility criteria prescribed in the e-tender document. There will be no manual submission of documents.
2. E-tender documents can be downloaded from IFP website and e – portal. Aspiring bidders/suppliers who have not enrolled/registered in e-procurement should enroll/register before participating through the website <http://moefcc.euniwizarde.com>
3. E-tender must be electronically submitted through online within prescribed data and time as mentioned in the e-procurement portal. Hard Copy of the E-tender documents will not be accepted.
4. Earnest Money Deposit (EMD) are to be submitted through DD, in favour of the Director, Institute of Forest Productivity payable at Ranchi and the scanned copy/soft copy of the same shall be uploaded along with the Technical Bid. Offers/Bids without E-Tender fees and the Earnest Money Deposit would not be considered and rejected.
5. The Bidders who are registered with the National Small Industries Corporation (NSIC) are exempted from EMD. They have to upload documentary proof along with the bid.
6. The number and quantity mentioned in the above E-tender Notice is the probable number and the same may be increased/decreased according to the requirement. The Director, IFP reserves the right to order or not to order any number and quantity of any instrument/equipment.
7. All the required document like technical documents, user certificate, supply order to other institutes, accreditation to quality management, PAN, TAN, GST, income tax, small scale industries exemption certificates, import license, authorization from principal supplier/manufacturer etc. along with E-Tender document should be uploaded and attached against the above E-Tender. If failed to upload and attach the E-Tender will be rejected.
8. Earnest Money Deposit (EMD):-
 - (a) The EMD to the unsuccessful e-tenderer (s) will be returned at the earliest after expiry of the final bid validity or latest on or before the 30th day of the award of the purchase order whichever is earlier.

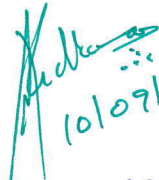
The EMD may be forfeited if an e-Tenderer withdraws his bid during the period of bid validity specified or in case of a successful Bidder, if the bidder fails to furnish security deposit

 - i. The EMD of the unsuccessful bidder will be released after finalization.
 - ii. For the successful bidder EMD will be released after they submit the security deposit as per our instructions, otherwise
9. Technical Bid: E-tenderers shall furnish complete technical specification and duly signed failing which E-Tender will not be accepted.

10. The following scanned documents (Self attested with rubber seal, in case of photocopies) should be uploaded along with the technical bid. In case of photocopies original documents for the following should be produced whenever required; failing which E – Tender submitted will be rejected at any moment.
 - a. Brochures supporting of the specifications quoted.
 - b. Authorization Certificate of the concerned company in favour of the e-tenders or the Principal dealer if the e-tenders is a sub – agent to sell/service/give annual maintenance service for the items quoted.
 - c. Document supporting both past and present status of supply of the instruments by both the Manufacturer and Supplier.
 - d. Valid proof of any orders received from various Govt./ Semi – Govt./P.S.U. etc. for supply and installation of the same make and model of scientific equipment /instruments.
11. The data of sequencing has to be delivered at this Institute.
12. Financial Bid: The e-tenders should use Price Bid format as provided in website and rates offered should be entered in the allotted space only and submitted after filling the relevant columns. Any financial bid not given in the prescribed format will be rejected.
 - (i) The rate should be valid for a minimum of 120 days from the date of opening of the E-Tender.
 - (ii) Price list of the company if any should be uploaded along with the bid.
13. SECURITY DEPOSIT (SD): The successful bidder/tenderer should deposit security money @ 5% of total ordered value in the form of Demand Draft within 15 days of issue of the supply order which will be refunded on completion of warranty period. Otherwise, the EMD deposited with E-Tender will be forfeited and the order placed will stand cancelled.
14. **ICFRE, the parent body of the IFP, Ranchi is registered with the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology, Government of India, New Delhi for the purpose of availing customs duty exemption in terms of Government Notification No. 51/96 – Customs dated 23-7-1996 and Notfn. No. 47/2017- Integrated Tax (Rate) dt. 14.11.2017 and Notfn. No. 45/2017- Central Tax (Rate) dt. 14.11.2017, Notfn. No. 45/2017- Union Territory (Rate) dt. 14.11.2017. Therefore the parties may offer their rates without including Customs and Central excise duty.**
15. The bids shall remain valid for 120 days after the date of bid opening. Any e-tenderers whose validity of the financial bid is for a lesser duration shall be rejected by the Institute as non-responsive.
16. The successful e – tenderers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until the service completed.
17. The competent authority does not bind himself to accept the lowest or any other tenderer, and reserves its right to reject any or all tenders received without assigning any reasons whatsoever.
18. The tenders, in which any of the prescribed conditions are not fulfilled or are incomplete in any respect, shall be summarily rejected.
19. The Institute will not responsible for any delay on the part of the e-tenderers in submission of the E-tender bids. Any bids received by the Institute after the deadline prescribed for submission of bids, will be rejected.
20. Each page of the general terms and conditions uploaded with the E-tender should be duly signed as a token of acceptance of all terms and conditions of the E-tender. No deviation in the terms

and conditions of the E-tender notice will be accepted. The supporting documents should be duly stamped & signed by the e-tenders otherwise rejected. No retyping of the general terms and conditions supplied is accepted. Submit this terms and conditions duly signed along with the technical bid.

21. The Director, Institute of Forest Productivity, Ranchi reserves the right to cancel/reject full or any part of the e-tender, without assigning any reason .No correspondence will be entertained in this regard.
22. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
23. System must supply with all required accessories, and the points below:-
 - (a) The tender / proposal must include installation / commissioning and demonstration training in laboratory / field as per the standard requirement including after-sales & services.
 - (b) **Minimum 1(One) year onsite warranty is required.**
 - (c) The delivery must be made at Institute of Forest Productivity, Lalgutwa Ranchi.


10/09/21
निदेशक / Director
वन उत्पादकता संस्थान,
Institute of Forest Productivity,
रांची / Ranchi 834013

Specifications and Technical detailsItems No.-I (EMD Rs.15,000/-)Name of the Instruments - PCR Thermal Cycler

No.	Specifications	Quantity
1.	<ol style="list-style-type: none"> 1. Gradient PCR with silver block, with sample capacity of 96 x 0.1/0.2 ml PCR tubes, or 1 micro test plate 8 x 12 (with SBS standard), or 96 x 0.2 ml PCR plate skirted, semi-skirted, or non-skirted. 2. The Instrument should offer a temperature range of 4-99° C with block temperature accuracy of $\pm 0.15^{\circ}\text{C}$, block homogeneity of $\pm 0.2^{\circ}\text{C}$ to $\pm 0.3^{\circ}\text{C}$. 3. The instrument should offer a ramp rate of $10^{\circ}\text{C}/\text{sec}$ and $5^{\circ}\text{C}/\text{sec}$ for cooling and heating respectively. Also, it offers an adjustable ramp rate to meet critical amplification conditions. 4. The ramp rates should be identical in both gradient and normal operation. 5. The instrument should come with a heated lid that has a temperature range of $37 - 110^{\circ}\text{C}$ and is capable to accommodate both flat and dome capped tubes. It must allow the user to use a reaction volume as low as $5\mu\text{L}$, ensuring minimal sample evaporation throughout the block. 6. Gradient range of $30 - 99^{\circ}\text{C}$ and the range of gradient span should be $1 - 30^{\circ}\text{C}$. 7. The instrument should have an intuitive touch screen interface with high resolution and large display. 8. Instrument should be equipped with intuitive graphical interface for rapid input of protocols, and easy file management. 9. Instrument should offer the capacity to store 700 or more programs. 10. The instrument should have a network up to 10 cyclers without a PC or additional hard warhead up to 50 cyclers using a PC. 11. The instrument should have provision for connecting 4-5 more blocks (96 or 384 well), if required at a later stage. 12. The instruments should have 2 or more USB ports to attach mouse and /or memory stick. 13. The instrument should have universal power failure protection, with automatic restart after power failure. 14. The instrument should have 4 or more different temperature control modes: Fast, Intermediate, Standard, Safe etc. 15. Outside full warranty of at least 2 years and 2 more years without additional charges. 16. Should be supplied with the suitable voltage stabilizer. 	ONE

Items No.- II (EMD Rs.12,500/-)

Name of the Instruments - Refrigerated Micro Centrifuge

No.	Specifications	Quantity
1.	<ol style="list-style-type: none"> 1. Centrifuge must be able to generate $\text{rcf} > 30000 \times g$ against 24x1.5 ml tube rotor. 2. Lid of the rotor must be made of metal (not polypropylene or plastic). 3. Must have adjustable soft ramp function for delicate sample. Temperature range of -11°C to $+40^{\circ}\text{C}$, having option to change during the run. 4. Must be able to program for cooling by presetting of date and time. 5. Must have dynamic compressor control for optimized cooling, longer compressor life and reduced energy consumption. 6. Must have built in condensation drain. 7. Must have automatic shut off function if the system is not used for 8 hrs. 8. Acceleration and breaking time should be ≤ 15 s. 9. Noise level with rotor must be < 54 dB. 10. Timer countdown to be started only when selected rpm is achieved. 11. Must have full digital display of time, speed and temperature. 12. Rotor must be metallic & autoclavable at 121°C. 13. Width and access height must be less than 40cm and 30cm respectively. 14. Must have rotor options for MTP, DWP, PCR plates, tube, swing out rotors 30 x 1.5/2 ml tubes, cryo tubes, Spin column. 15. System must be European CE Certified. 16. Warranty of one year from the date of successful installation in the laboratory <p>Rotors required:</p> <ol style="list-style-type: none"> 17. Fixed angle PTFE coated aerosol-tight rotor including rotor lid, with max. capacity for $24 \times 1.5/2.0$ mL tubes and max. speed of $30,130 \times g$ (17,500 rpm) 18. Swing out rotor for 2 x 96 well plates in SBS standard format, with maximum speed of 4,680 rpm (2,204 x g). 	ONE

Item No. III (EMD Rs.30,000/-)

Name of the Equipment: Ultra –low temperature (-86°C) Freezer

No.	Specifications	Quantity
1.	<p>Microprocessor controlled, Touch Screen Display, Upright Ultra Low Temperature Deep Freezer, 220V, 50 Hz with following technical features:</p> <p>Technical Data</p> <ol style="list-style-type: none">1. Cabinet type: Upright2. Capacity: 740 L (26.1 ft³) or above3. Insulation: Vacuum insulation paneling reinforced with polyurethane foam4. Interior: Stainless Steel (304 2B)5. Cooling type: Direct (air) cooling, dual compressor6. Defrost mode: manual/automatic7. Refrigerant: Environmentally safe, HCFC-free and CFC-free refrigerants using "green" cooling liquids (Propane-R290 / Ethane-R170)8. Noise level: 41.3 dB or less9. Temperature range: -50°C to -86°C10. Display: Touch screen with advanced interface customizable views11. No. of compartments/No. of internal doors: 312. Each shelf with air slits for fast temperature adaption13. High-efficiency compressor control system to reduce cycling times to lower energy Consumption and increase freezer longevity14. Average Daily energy consumption: 10.5 kWh/day or less15. Max. power consumption: 10,500 W or less16. Access port: 2 or more17. "Pull down time": the time required for the unit from Room temperature (21 – 23 °C) to -80°C should not be more than 4¼ hours On-board data storage to avoid dependency on auxiliary and secondary devices to keep track of freezer data. Easy transfer of information to our computer using the export feature and front-mounted USB port Electronic lock system for controlled access and higher sample safety.18. Automated vent port for quick re-access to samples19. Alarm for High/low temperature, power out, system fail, battery low, filter clean and fault analysis etc.20. One of the 3 shelves of the freezer must be supplied with necessary racks (aluminum) and polypropylene (PP) boxes for 1.5 mL tubes21. Suitable Voltage Stabilizer with the unit22. At least two years comprehensive onsite warranty and two years additional Annual Maintenance Contract.23. Power Supply: 230 V/ 50 Hz	ONE

Item No. IV (EMD Rs. 5,000/-)

Name of the Instruments: High Throughput vertical gel assembly with power pack

No.	Specifications	Quantity
1.	<ol style="list-style-type: none">1. High Throughput with the plate size of 50cm (w) x 22 cm (l) capable of running 100 PCR samples each side (200 totals). Dual sided, high throughput, adjustable height electrophoresis unit with guide rods and rotating/leveling base. Platinum Electrodes.2. Sample wells are multi-channel pipette compatible.3. The gel can be re-used up to six times, significantly reducing cost per sample.4. Low fluorescence glass to allow direct UV scanning of ETBR stained gels without removing the gel from the plate sandwich.5. The system should have quick and easy gel casting mechanism.6. A divided upper reservoir to run identical or independent buffer conditions on either side as well as allows running just one side of the unit if needed.7. The system should be compatible for Simple Sequence Repeats (SSR) Genotyping, for linkage map construction (micro satellite markers), mutation Detection DNA sequencing, Mini satellites, Differential Display, DNA Fingerprinting/Foot printing, RNase Protection, SDS-PAGE.8. Accessory included with the unit: 2 combs (1.55mm x 100 wells), 2 sets of spacer with Gel Wrap (1.5mm x 22cm), 2 Bar clamps, 2 sets glass plates (black plate borosilicate) 50 cm (w) x 22 cm (h); Gel sealing tape, Temperature stripes, Plate separators, white spring clamps, Guide rods and Rotating base, safety covers with power leads. Conversion plate for running one gel at a time.9. Compatible power pack- High voltage programmable power supply, 0-300V, 50/60Hz, 230V.	ONE

Item No. V (EMD Rs.7,500/-)

Name of the Instrument: Horizontal electrophoresis system with power pack

No.	Specifications	Quantity
1.	<p>1. High-Throughput Electrophoresis system with flexible gel sizes, along with complete accessories such as gel tank, gel trays, gel caster, gel casting gates, combs, leveling bubble etc. including power packs along with safety cable.</p> <p>2. Required units with following gel tray sizes (approx.): 15 cm (w) x 10 cm (l), 26 cm (w) x 14 cm (l), 26 cm (w) x 26 cm (l) and 26 cm (w) x 40 cm (l).</p> <p>3. Units with different sample throughput varying from < 20, < 60, < 96, < 120 or more.</p> <p>4. Suitable gel tanks to accommodate gel of above-mentioned sizes and with the capacity of base buffer volume ~ 500 ml to 3000 ml.</p> <p>5. Combs of varying number of wells corresponding to above gel trays should be quoted.</p> <p>6. Universal power packs with programmable output range compatible with required electrophoresis units.</p> <p>The complete System should also have following additional features</p> <p>7. Provision of buffer recirculation ports to allow maintenance of uniform pH, and ionic strength and reduce frequency of buffer changes necessary during long runs.</p> <p>8. Gel tray should be made up of UV transparent acrylic and it should have configuration allowing single run or multiple simultaneous short runs.</p> <p>9. Combs with adjustable height and comb holders for keeping the combs perfectly straight during gel casting with hot agarose.</p> <p>10. Also, the comb should allow multi-channel pipetting for accuracy and speed.</p> <p>11. Adequate safety measures to prevent electric shocks, leaking etc. such as per the standards.</p> <p>12. Provision of keeping constant temperature during runs.</p> <p>13. Color-coded, labeled electrodes and labeled base for correct positioning of the lid on the base.</p> <p>14. Compatible power pack- High Voltage Programmable Power Supply, 0-3000V, 50/60 Hz, 230v</p>	ONE

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

Institute of Forest Productivity, Ranchi

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 inclusive of all applicable taxes.

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 e-portal.

The below mentioned Financial/Proposal/Commercial Bid format is provided as BoQ_1.xls along with his bid document at <http://moefcc.euniwizarde.com> bidders are advised to download at this BoQ_1.xls as it is the 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 tampered/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 IFP

1. The rates, taxes, charges, etc. should be quoted as per BoQ.
2. All taxes , fees, leives, 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 amounts 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

The Director,
Institute of Forest Productivity, Ranchi.

Sub: Acceptance of Terms and Conditions of Tender.

Tender Reference No.

Name of the
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/organization 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/entirely.
5. I/we do hereby declare that one 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)