



भा -प.शि.अ.वा.वन आनुवंशिकी एवं वृक्ष प्रजनन संस्थान  
**ICFRE-INSTITUTE OF FOREST GENETICS & TREE BREEDING**

भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद  
(INDIAN COUNCIL OF FORESTRY RESEARCH & EDUCATION)

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार का स्वायत्त निकाय  
An Autonomous Body of

Ministry of Environment, Forest and Climate Change, Govt. of India

फॉरेस्ट केम्पस, काउली ब्राउन रोड, आर.एस.पुरम, कोयम्बतूर – 641002 (T.N)

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**GST.No.33AAAI 1708 G 1 Z8**

## **E-TENDER DOCUMENT**

### **SODIUM METER & POTASSIUM METER**

#### **DBT-18**

**ICFRE - INSTITUTE OF FOREST GENETICS AND TREE BREEDING**

**FOREST CAMPUS**

**R.S.PURAM, COIMBATORE – 641 002.**

**2023-24**

**NOTICE INVITING TENDERS**  
**(National Competitive Bidding)**

**TENDER No: 03/IFGTB/DBT-18**

1. Tenders are invited under Two Bid Systems through Online mode for Supply of “**Sodium Meter & Potassium Meter**”
2. Bid/Tender documents can be downloaded from IFGTB website: <http://ifgtb.icfre.gov.in> (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app>
3. Tender should be submitted on or before stipulated date as mentioned in the tender document through online mode only. **Offline bids shall not be accepted.**

**BRIEF DESCRIPTION OF TENDER**

Work Description	<b>Tender for Purchase of Equipment:</b> Supply of Sodium Meter & Potassium Meter
Quantity	2 Nos. (Sodium Meter - 1No. & Potassium Meter - 1No.)
Cost of Tender Document (in Rs.)	590/-
EMD (in Rs.)	2800/-
Warranty	1 year or above

**CRITICAL DATES OF TENDER:**

Name of Organization	ICFRE - Institute of Forest Genetics and Tree Breeding, Coimbatore, Tamil Nadu
Tender Type (Open/Limited/EOI/Auction/Single/Global)	Open
Tender Category (Services/Goods/works)	Goods
Type/Form of Contract (Work/Supply/ Auction/ Service/ Buy/ Empanelment/ Sell)	Buy
Product Category (Civil Works/Electrical Works/Equipment (Scientific/IT/Office)	Equipment (Scientific)
Date of Issue/Publishing	22/06/2023 (09:00 Hrs)
Document Download/Sale Start Date	22/06/2023 (10:00 Hrs)
Document Download/Sale End Date	12/07/2023 (10:00 Hrs)
Last Date and Time for Uploading of Bids	12/07/2023 (10:00 Hrs)
Date and Time of Opening of Technical Bids	13/07/2023 (10:00 Hrs)

Tender Fee	Rs.590/- (For Tender Fee) Rs.2800/- (For EMD) (To be paid through RTGS/NEFT. IFGTB Bank details are as under: Name of the Bank A/C : The Director, IFGTB UBI A/C No.: 502602010101949 Name of the Bank : Union Bank of India, IFSC Code : UBIN0550264 MICR Code : 641026006
EMD	
No. of Covers (1/2/3/4)	2
Bid Validity days (180/120/90/60/30)	120 days (From last date of opening of tender)
Address for Communication	The Director, Institute of Forest Genetics & Tree Breeding, P.B.No.1061, R.S.Puram, Coimbatore – 641 002.
Contact No.	+91-422-2484100
Fax No.	+91-422-2430549
Email Address	dir_ifgtb@icfre.org

1. The bidder must read the prescribed terms & conditions and accept the same to proceed further for submission of bids.
2. After downloading / getting the tender schedules, the Bidder should go through them carefully and then submit the documents as required; in case of non-submission of documents bid shall be rejected.
3. Submission of tender document confirms that bidder has unconditionally accepted all terms and conditions stipulated in the tender document.
4. The bidder has to submit the tender document well in advance before the prescribed time to avoid any delay or problem during the submission process
5. In case the date of opening of tenders declared is a holiday or off day, the tenders shall be opened on the next working day at given time.

## **CONTENT OF TENDER PAPER**

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**NOTICE INVITING TENDERS  
(National Competitive Bidding)**

**Institute of Forest Genetics and Tree Breeding  
(Indian Council of Forestry Research and Education)  
R.S. Puram, Coimbatore – 641 002.  
Phone No.2484100, 131  
Website: <http://ifgtb.icfre.gov.in>**

**TENDER No: 03/IFGTB/DBT-18**

Online Tenders are invited from the reputed firms for Supply of “**Sodium Meter & Potassium Meter**” for this Institute. The details of the above equipment and other Terms and conditions etc., are available in the Tender Documents. The tender document with specifications is available at website: <http://ifgtb.icfre.gov.in> and **CPPP** site: <https://eprocure.gov.in/eprocure/app>

**Director  
ICFRE-IFGTB,  
Coimbatore.**

**PROCEDURE FOR SUBMISSION OF BIDS**

**Bids shall be submitted online only at CPPP Website: <https://eprocure.gov.in/eprocure/app>** tenderers/Bidder are advised to follow the instructions provided in the “Instructions to the tenderers/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>

**Earnest Money Deposit (EMD) and E-Tender Fees are to be submitted thro’ NEFT/RTGS Account No. 502602010101949 in favour of the Director, IFGTB, Coimbatore and the scanned copy / soft copy of the NEFT/RTGS receipt shall be uploaded along with the Technical bid. Offers / bids without e-Tender fees and Earnest Money Deposits shall be rejected.**

Not more than one tender shall be submitted by one tenderers/ 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 or this condition shall render the tenders of both parities liable to rejection.

Tenderers/bidder who has downloaded the tender form the <http://ifgtb.icfre.org> and Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app> 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 shall be rejected and EMD shall be forfeited and tenderers/bidder is liable to be blacklisted from doing business with IFGTB 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.

The Purchaser (IFGTB) requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in ANNEXURE XI.

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.

- (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 manufacturer or assembly of the Goods to be quoted in BOQ.
- (ii) Any Sales tax/VAT and other taxes payable on the Goods to be quoted in BOQ, if the contract is awarded to the Bidder and Intending tenderers/bidders are advised to visit again IFGTB website. <http://ifgtb.icfre.gov.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.
- (iii) Bids will be opened as per data/time as mentioned in the Tender Critical Data Sheet.

## CONDITIONS OF CONTRACT

### **Submission of Tender**

**The tender shall be submitted/uploaded online in two parts viz., Technical Bid and Financial 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 tenderers'/Bidder along with **Technical Bid** as per the tender document.

#### **Qualifying documents:**

- (i) **Tender Fee: The Tender form downloaded from above website must include Rs.590/- (includes 18% Service tax) and Earnest Money Deposit (as mentioned in Pg.2) are to be deposited thro' NEFT/RTGS in favor of The Director, IFGTB, Coimbatore and scanned copy of the same should be uploaded in the Portal.**
- (ii) Signed and scanned copy of Authorization certificate, if applicable
- (iii) Signed and scanned copy of PAN number
- (iv) Signed and scanned copy of Tender Acceptance Letter
- (v) Signed and Scanned copy of Declaration regarding acceptance to the terms and conditions of the tender (ANNEXURE IX)
- (vi) Signed and scanned copy of Affidavit of partnership deed, if required
- (vii) Signed and scanned copy of audited Balance sheet of last three years
- (viii) 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.
- (ix) Signed and scanned copy of DGS&D Enlistment Certificate. It is compulsory for all firms in India (agent/authorized supplier/dealer/subsidiary/integrators/Distributors/ Stocklist, 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.**
- (x) 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 brochure of the product and other literature** and information as required in the list of the 'Qualifying Documents' of the bid document must be uploaded in CPP Portal as signed and scanned copy.

## **Cover 2: Financial Bid**

**Hard copies of financial and technical 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 of BOQ\_.xls separate of 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 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 ANNEXURE-VIII: 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, their bid shall 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 shall 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 of qualifying documents, the bid shall be rejected. For high value goods/services quality based evaluation will be done.

(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 (L1) 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 including 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.

**GENERAL TERMS & CONDITIONS**

1. The Director, Institute of Forest Genetics and Tree Breeding (Indian Council of Forestry Research & Education), Govt. of India, Coimbatore invites online offers under Two Bid System for supply of Laboratory Equipment from Manufacturers and Authorized suppliers 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 IFGTB e-Procurement Portal. Aspiring Bidders/ Suppliers who have not enrolled/registered in e-Procurement should enroll/register before participating through the website <https://eprocure.gov.in/eprocure./app>.
3. E-Tenders must be electronically submitted through on line within the 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) is to be submitted thro' NEFT/RTGS and details are as follows:

**Account Number: 502602010101949**  
IFSC code: UBIN0550264  
Bank Name & Branch: Union Bank of India, R.S.Puram Branch, Coimbatore – 02.  
Account Holder Name: The Director, IFGTB, Coimbatore

**Earned Money Deposit: EMD Amount (as mentioned in Pg.2 of the tender document) is to be deposited in favour of the Director, IFGTB, Coimbatore through RTSG/NEFT.**

The scanned copy / soft copy of the NEFT/RTGS receipt shall be uploaded along with the Technical bid. Offers / bids without E-Tender fees and Earnest Money Deposits would not be Considered and summarily rejected.

  - a. The EMD to the unsuccessful e-tenderers will be returned at the earliest after expiry of the final bid validity or latest on or before the 30<sup>th</sup> day of the award of the purchase order whichever is earlier.
    - (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 performance security as per our instructions.**
  - b. The EMD may be forfeited:
    - (i) if e-tenderers withdraws his bid during the period of bid validity specified or
    - (ii) in case of a successful Bidder, if the Bidder fails to furnish security deposit
5. The Bidders who are registered with the National Small Industries Corporation (NSIC) are exempted from EMD. They have to upload a certificate issued by MSME (Ministry of Micro, Small & Medium Enterprises) along with the bid.
6. The bidder shall mandatorily disclose the **country of origin** of the equipment/product as the case may be.
7. 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, IFGTB reserves the right to order or not to order any number and quantity of any instrument/equipment.

8. All the required documents like technical documents, product brochure, user-list, performance certificate, installation certificates, 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 bid shall be rejected.
9. **Technical bid:** E-tenderers shall furnish complete technical specification in the format as prescribed in ANNEXURE VII and should be duly signed along with the seal failing which E-Tender shall 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 shall be rejected at any moment.
- Brochures of the Model/Equipment supporting the specifications quoted.
  - Authorization certificate of the concerned company in favour of the e-tenderers or the Principal dealer if the e-tenderers are a sub agent to sell/service/give annual maintenance service for the items quoted.
  - Document supporting both past and present status of supply of the instruments by both the Manufacturer and Supplier.
  - 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. Guarantee/Warranty for each instrument/equipment **should have at least one year from the date of successful installation (or) otherwise as prescribed in the Technical specification of ANNEXURE VII whichever is higher.** Preference in selection, other than cost of the equipment, will be given for those firms quoted more years of guarantee.
12. **Financial bid:** The e-tenderers should use Financial/Price schedule format as provided in website (or) ANNEXURE VIII and the 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 shall be summarily rejected.
- The rate should be valid for a minimum of 120 days from the date of opening of the E-Tender.
  - Price list of the company, if any should be uploaded along with the bid.
13. ICFRE, the parent body of the IFGTB, Coimbatore 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 central excise duty exemption in terms of Government Notification No 10/97-Central Excise dated 1<sup>st</sup> March, 1997. Therefore the parties may offer their rates without including Customs and Central excise duty.
14. Materials to be supplied/services to be provided: As per ANNEXURE VI.
15. 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 delivery of the instruments/equipments at the Institute.
17. Address of the authorized service agent of the equipment / instrument shall be given separately.
18. The Institute will not be 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, shall be summarily rejected.
19. **SECURITY DEPOSIT (SD):** The successful bidder(s)/tenderers should deposit security money @ 3% to 10% of the total value of the order within 15 days of issue of the supply order **which will be refunded on completion of warranty period.** Otherwise, the EMD deposited with the E-Tender will be forfeited and the order placed shall stand cancelled. Generally, the security deposits will not be refunded unless all item(s) are supplied and successfully installed to the satisfaction of the Director, IFGTB, that too, after 60 days, beyond the date of completion of all contractual obligations of the supplier including guarantee obligation which will be calculated from the date of successful installation of the instrument/equipment. The security deposit furnished by the tenderers will be refunded as per rule.
20. The successful e-tenderers have to provide the data as per the purchase order within the prescribed time from the date of issue of the order.
21. 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-tenderers 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.
22. Tenderers submitting E-Tenders are deemed to have seen, understood and accepted all the terms and conditions.
23. The Director, IFGTB, Coimbatore 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.

**Director  
ICFRE-IFGTB,  
Coimbatore.**

**SPECIAL TERMS AND CONDITIONS**

**1. TRAINING:**

Training by expert team/application scientist shall be provided to staff of IFGTB by the supplying company on the operation of the equipment for adequate period after installation.

**2. CLARIFICATIONS:**

Any queries related to the process of online bid submission or queries related to CPP Portal in general may be raised to the 24x7 CPP Portal Helpdesk.

**3 DELIVERY AND INSTALLATION:**

- The supplier should be responsible to make necessary arrangements for supply, installation and Commissioning of equipment at the place as specified in ANNEXURE VII of the tender document.
- Delivery, Installation and Commissioning charges are to be quoted in the financial bid and no separate charges allowed beyond the financial bid.

**Director  
ICFRE-IFGTB,  
Coimbatore.**

**ANNEXURE VI**

**SCHEDULE OF REQUIREMENTS**

**List of Goods and Delivery Schedule**

List 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 following the date of effectiveness of the contract	Insert following the date of effectiveness of the contract	Insert following the date of effectiveness of the contract	Insert following the date of effectiveness of the contract
<b>1</b>	Sodium Meter & Potassium Meter	each 1 No.		IFGTB, Coimbatore	Within 30 days from the date of purchase order	As per the direction of Director	

**List of Related Services and Completion Schedule**

Service	Description of Services	Quantity	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 item)	(Insert name of place)	(Insert required completion date(s))
<b>1</b>	Installation				
<b>2</b>	Hands on Training				

**SPECIFICATIONS AND ALLIED DETAILS**  
**(Description of items and specifications)**

Supply of Sodium Meter & Potassium Meter:

**Specifications:**

Sl. No.	Specifications	Qty.
1.	<p><b><u>Sodium meter:</u></b> <b>Functional Parameter:</b></p> <p><b>Measurement Principle:</b> Ion Selective Electrode  <b>Feature:</b> Waterproof, Micro volume  <b>Minimum Sample Volume:</b> 0.3ml (0.05 ml with Sampling Sheet B)  <b>Measurement Range:</b> 2 to 9900 ppm (mg/L) (0.1 to 430 mmol/L)  <b>Accuracy:</b> <math>\pm 10\%</math> of actual value  <b>Maximum Calibration Points:</b> 2  <b>Material:</b> ABS epoxy body/ flat glass sensor  <b>Battery life:</b> Approx. 400 hrs. continuous use without backlight  <b>Resolution:</b> 0 to 99 ppm: 1ppm, 100 to 990 ppm: 10 ppm, 1000-9900:100 ppm  <b>Temperature Display/Resolution:</b> 0 to 50.0  <b>Operating Temperature/Humidity:</b> 5 to 40°C/85% or less in relative humidity (no condensation)  <b>Battery Life:</b> Approx. 400 hrs. continuous use without backlight</p> <p><b>Dimension &amp; Size:</b></p> <p><b>Dimensions:</b> 164 x 29 x 20 mm (excluding projections)  <b>Weight:</b> 55gm (including sensor and batteries)</p> <p><b>Additional Accessories:</b></p> <p>150 &amp; 2000ppm Standard Solutions (14 ml each and Sampling Sheet B (5 pcs)  CR2032 Batteries(2), Dropper, Instruction Manual, Storage Case  <b>Display:</b> Custom (Monochrome) Digital LCD with Backlight  <b>Functions:</b></p> <ul style="list-style-type: none"> <li>• Automatic Standard Recognition</li> <li>• Changeable Low and High Calibration Values</li> <li>• Temperature Compensation</li> <li>• Temperature Calibration</li> <li>• Multiplication Compensation (0.01 to 9.90)</li> <li>• Auto Hold/Auto Stable</li> <li>• Automatic Power Off (30 mins.)</li> <li>• Low Battery Indicator</li> <li>• IP67 Water/ Dust Proof</li> <li>• Replaceable Sensor</li> </ul> <p><b>Operating Temperature/Humidity:</b> 5 to 40°C/85% or less in relative humidity (no condensation)  <b>Material:</b> ABS epoxy body/flat glass sensor</p>	1 No.
2.	<p><b><u>Potassium meter:</u></b> <b>Functional Parameter:</b></p> <p><b>Measurement Principle:</b> Ion Selective Electrode  <b>Feature:</b> Waterproof, Micro volume  <b>Minimum Sample Volume:</b> 0.3ml (0.05 ml with Sampling Sheet B)  <b>Measurement Range:</b> 4 to 9900 ppm (mg/L) (0.1 to 250 mmol/L) 2 to 5000</p>	1 No.

	<p>Kg/10a (soil/water ratio 1:5)  <b>Accuracy:</b> ±10% of actual value  <b>Maximum Calibration Points :</b> 2  <b>Material:</b> ABS epoxy body/ flat glass sensor  <b>Battery life:</b> Approx. 400 hrs. continuous use without backlight  <b>Resolution:</b> 0 to 99 ppm: 1ppm, 100 to 990 ppm: 10 ppm, 1000-9900:100 ppm  <b>Temperature Display/Resolution:</b> 0 to 50.0°C/0.1°C  <b>Operating Temperature/Humidity:</b> 5 to 40 °C/85% or less in relative humidity (no condensation)  <b>Battery Life:</b> Approx. 400 hrs. continuous use without backlight</p> <p><b>Dimension &amp; Size:</b></p> <p><b>Dimensions:</b> 164 x 29 x 20 mm (excluding projections)  <b>Weight:</b> 55gm (including sensor and batteries)</p> <p><b>Additional Accessories:</b></p> <p>150 &amp; 2000ppm Standard Solutions (14 ml each and Sampling Sheet B (5 pcs)  CR2032 Batteries(2), Dropper, Instruction Manual, Storage Case  <b>Display:</b> Custom (Monochrome) Digital LCD with Backlight  <b>Functions:</b></p> <ul style="list-style-type: none"> <li>• Automatic Standard Recognition</li> <li>• Changeable Low and High Calibration Values</li> <li>• Temperature Compensation</li> <li>• Temperature Calibration</li> <li>• Multiplication Compensation (0.01 to 9.90)</li> <li>• Auto Hold/Auto Stable</li> <li>• Automatic Power Off (30 mins.)</li> <li>• Low Battery Indicator</li> <li>• IP67 Water/ Dust Proof</li> <li>• Replaceable Sensor</li> </ul> <p><b>Operating Temperature/Humidity:</b> 5 to 40°C/85% or less in relative humidity (no condensation)  <b>Material:</b> ABS epoxy body/flat glass sensor</p>	
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**Note:**

Place of Delivery & Installation: Division of Plant Biotechnology & Cytogenetics, Ground Floor, ICFRE-IFGTB, Coimbatore-641002.

This is to certify that the above technical specifications are found to be correct.

**Director  
ICFRE-IFGTB,  
Coimbatore**



## 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  
ICFRE-IFGTB  
Coimbatore**

**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 VIII 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 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 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 IFGTB .

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)

**TENDER ACCEPTANCE LETTER****Agreement /Contract Form****(To be given on Company Letter Head)****Date.....**

To  
 The Director  
 Institute of Forest Genetics and Tree Breeding  
 R.S. Puram  
 Coimbatore – 641 002.

**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 / 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 our firm has not been blacklisted / debarred / banned by any Govt. Department /Public sector undertaking.
6. I / We certify that all information furnished by 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  
Institute of Forest Genetics and  
Tree breeding, Forest Campus,  
R.S.Puram, Coimbatore-02

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 3% to 10% of the contract price of the supplier, furnishing you with an acceptable Performance Bank Guarantee for 3% to 10% 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 3% to 10% 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 discharge from all liabilities there under.

Signatory Bank with Seal

### **Policy of Institute of Forest Genetics and Tree Breeding, Coimbatore (IFGTB) against the Corrupt and Fraudulent Practices**

IFGTB strictly adheres to its policy against corruption and requires and that bidders and their agents, subagents, sub-contractors, suppliers, etc. shall not indulge in any kind of corrupt practices, coercive practices, obstructive practices or other kind of corruption declared as crime under Indian law.

- a) If bidders or their agents, subagents, sub-contracts, suppliers etc. are found, directly or indirectly, involved in such practices, bid or agreement and execution thereof at any stage may be rejected or cancelled as the case may be by the IFGTB and besides it IFGTB, may initiate legal actions including civil and criminal proceeding.

For the purpose of this provision the terms are defined as follows:

(i) “Corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence Improperly the actions of another party;1

(ii) “Fraudulent Practices” is any act or omission including a misrepresentation which knowingly or recklessly made to mislead another party to obtain financial or other benefit or to avoid an obligation;2

(iii) “Collusive Practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence impairing the actions of another party;3

(iv) “Coercive Practice “ is impairing or harming, or threatening to impair or harm, directly, or Indirectly, any party or the property of the party to influence improperly the actions of a party ;4

(v) “Obstructive Practice” is deliberately destroying, falsifying, altering , or materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice;/or threatening, harassing or \_\_\_\_\_

1. For the purpose of this sub-paragraph, “another party “refers to a public official acting in relation to the procurement process or contract execution. In this context, “*public official*” includes IFGTB staff and employees of other organizations taking or reviewing procurement decisions.
  2. For the purpose of this sub-paragraph, “party” refers to a public official’ the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.
  3. For the purpose of this sub-paragraph, “party” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other’s bid prices or other conditions.
  4. For the purpose of this sub-paragraph, “party” refers to a participant in the procurement process or contract execution intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation.
- b) Besides actions under clause (a) IFGTB may also take action to blacklist/banned such bidder either indefinitely or for a specified/period.

**FORMAT OF BID SECURITY DECLARATION FROM BIDDERS IN LIEU OF EMD  
(On Bidders Letter Head)**

I/We, the authorized signatory of M/s.....,  
participating in the subject tender No. .... for the item/job of  
....., do hereby declare:

- (i) That I/we have availed the benefit of wavier of EMD while submitting our offer against the subject Tender and no EMD being deposited for the said tender.
  
- (ii) That in the event we withdraw/modify our bid during the period of validity or I/we fail to execute formal contract agreement within the given timeline or I/we fail to submit a performance security within the given timeline or I/we commit any breach of Tender conditions/ contract which attracts penal action of forfeiture of EMD and I/we will be suspended from being eligible for bidding/award of all future contract(s) of Institute of Forest Genetics and Tree Breeding for a period of one year from the date of committing such breach.

**Signature and Seal of Authorized Signatory of bidder**

**Name of Authorized Signatory.....**

**Company Name.....**

**ANNEXURE XIII**

**Check List –**

<b>Item No.</b>	<b>Qualifying documents</b>	<b>Yes/No</b>	<b>Page No</b>	<b>Accepted/ Not Accepted (office use only)</b>
1	Tender Fee/Exemption certificate			
2	EMD in shape of <b>FDR/EXEMPTION</b> Certificate			
3	Signed and scanned copy of <b>AUTHORIZATION</b> Certificate, if applicable			
4	Signed and scanned copy of <b>PAN</b> card			
5	Signed and scanned copy of <b>TENDER ACCEPTANCE LETTER</b> as per tender document			
6	Signed and scanned copy of <b>GST</b> certificate, if applicable			
7	Signed and Scanned copy of Affidavit of <b>PARTNERSHIP DEED</b> , if applicable			
8	Signed & scanned copy of <b>AUDITED BALANCE SHEET</b> of last 3 years			
9	Signed and scanned copy of affidavit in non-judicial <b>stamp paper of Rs.10/-</b> by the firm that it has <b>NEVER BEEN BLACK-LISTED/DEBARRED/BANNED</b> by any Govt. Dept/Public sector must be attached along with the Bid, failing which the Bid shall be rejected.			
10	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 <b>BROCHERS/ORGINAL CATALOGUE with other Literature AND WRITE-UPS</b> should be uploaded as proof.			
11	Scanned and signed copy of user's list and supportive documents from the users for the satisfactorily performance and after sales service which shows <b>ATLEAST THREE YEAR EXPERIENCE</b> of the firm for the supply/provide of similar type of goods/services.			
12	Scanned and signed copy of information about suitably <b>TRAINED TECHNICAL STAFF</b> along with <b>WELL ESTABLISHED SERVICE NETWORK must be furnished</b> , (Company having service personnel in Coimbatore or close to Coimbatore will be preferred)			
13	Scanned and signed copy of <b>HANDS-ON TRAINING</b> proposal for the staff of the institute at site, if applicable			
14	All Specifications should be certified and guaranteed for <b>GENUINENESS &amp; BRAND NEW ITEM</b> and that the model of the equipment is <b>NOT GOING TO BE OBSOLETE</b> in near future (5 years) (Scanned and signed copy of supportive documents from the principal to be enclosed)			
15	<b>AVAILABILITY OF SPARES/PARTS</b> for next five years to be ensured (supportive documents from the Principal to be enclosed)			
16	Scanned and signed copy of <b>TENDER DOCUMENT</b> (should be signed in each page of the document along with seal)			
17	Manufacturer/Dealer Warranty as specified in the tender document			
18	Country of Origin of the equipment/product to be supplied			

**Note:**

- 1. It is mandatory to fill the above check list (Yes/No & Page No. Columns).**
- 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 above documents, the bid shall be rejected.**