

**Minutes of the Pre-bid Conference with Vendors held on May 29, 2025 at
Pakistan Forest Institute, Peshawar.**

A pre-bid conference was held on 29th May, 2025 in the committee room of PFI as per schedule & section-2 of the tender document floated on websites of PFI & KPPRA and published in National level newspapers on 23rd May, 2025. The pre-bid conference was held under the chairmanship of Mr. Ashar Farooq, Chairman Purchase Committee, PFI/ Director Biodiversity Research Division. List of committee members is attached (Annex-A).

Eight (08 Nos.) vendors/ representatives participated in the conference. Attendance sheet of representatives is attached (Annex-B).

Agenda of the pre-bid conference

The main objective of this conference was to discuss the Tender Document comprising of general terms and conditions, technical specifications of equipment to be purchased to establish Bio-tech Laboratory at PFI, Peshawar under the Project titled, "Studies on DNA Fingerprinting of Important Pakistani Timbers for Their Identification and Illegal Trafficking Control".

Deliberations



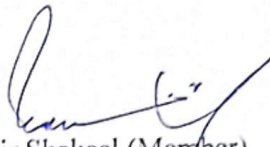

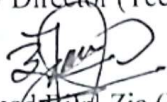
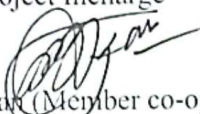
1. The tender document was displayed via multimedia screen in the committee room with the provision of hard copies to all the concerned committee members while the same document is available free of cost to any interested bidder via websites of PFI and KPPRA. The Project Incharge explained that we have main focus on the purchase of equipment which we need for lab activities to achieve the desired goals as per PC-1 by ensuring the quality, durability while judiciously using the public finance. Project Incharge also briefed about the tender document and item wise details.
2. The participants of meeting requested the forum for extension of date for submission of bids and supply duration. The Committee did not agree with the proposal due to closing of financial year and budget lapse issues.
3. Some of the bidders pointed out the part of condition of technical specification stated as "*With certificate and traceability*" and the Committee after due deliberation recommended to remove the condition with consensus. All the other terms and conditions were accepted by the parties.
4. All the listed items came under discussion one by one. The vendors proposed to include USA, Italy and Japan for various items as make/ manufacturing countries. The inclusion of Origin of Equipment Manufacturing (OEM) certificate was also proposed and after detailed discussion, these were accepted.



5. The technical specifications of equipment as per tender document were discussed one by one and valuable proposals in some instruments came from the vendors. The tender document was revised after incorporating the necessary proposals with consensus.

6. As per Notification SRO(23)(V01:1-34/2024-25 (KPPRA) Climate Change Forestry Env. & Wild
Deppⁿ. is excluded for EPADS for ¹ year
= 204-25.

The meeting ended with vote of thanks to and from the chair.

 Mr. Atif Majeed (Member) Deputy Director (Technical)	 Mr. Ashar Farooq (Chairman) DBRD	 Mr. Amir Shakeel (Member) GIS Specialist	 Dr. Tanvir Hussain (Member) Logging Officer
 Muhammad Bilal Zia (Member) FG/Project Incharge		 Mir Azam Khan (Member co-opted) AO(B&A) PFI.	

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Government of Khyber Pakhtunkhwa
Climate Change, Forestry, Environment & Wildlife Department
"Studies on DNA Fingerprinting of Important Pakistani Timbers for their
Identification and Illegal Trafficking Control Project"
Pakistan Forest Institute, Peshawar.
Ph: 091-9221374, 9221224; email: bilal.zia@pfi.edu.pk



Form No. _____
/SDNAFP&ITC/ 2025

REVISED TENDER DOCUMENT

Name of Firm

Address:

Contact Nos: Office..... Cell Phone:

Fax:.....email.....

NTN:..... GST No.:

CDR No.....Dated.....

Amount.....Bank.....

Quoted Price

S. No.	Item	Price in PKR
1.	Autoclave	
2.	Gradient PCR	
3.	PCR Workstation horizontal laminar airflow cabinet	
4.	Liquid Nitrogen Containers (different volumes)	
5.	Dry bath incubator	
6.	Analytical Balance	
7.	Water Distillation Apparatus	


Certificate:

It is certified that we have read and understood attached specifications, terms & conditions and shall abide by all specification, terms and conditions.

Signature and Stamp of the Firm

A. Term & Conditions

1. The eligible firms/parties are required to submit their bids in separate sealed envelopes i.e. One envelope containing "Technical Proposal/Bid" of the Firm/party clearly marked as "Technical Proposal/Bid" accompanied with respective document, while the second envelope containing "Financial proposal/bid" price clearly marked as "Financial Proposal/bid" accompanied with respective bidding documents and call deposit @ 2% of quoted price. The affidavit, on the letter head of the company/firm, to the effect stating that 2% bid security has been placed in "Financial proposal/bid" must be attached with technical proposal/bid. Both Technical and Financial Proposal/bid shall be placed in single sealed envelope.
2. **Pre-bid conference** will be held on **29th May, 2025 at 09:30 am** at Committee Room of Pakistan Forest Institute, Peshawar and revised bidding document will be issued in the light of discussion/ proposals received during the conference, if required, within two days.
3. The sealed tenders, on the basis of "**Single Stage Two Envelopes System**" marked on the top "**Quotation under the project "Studies on DNA Fingerprinting of Important Pakistani Timbers for Their Identification and Illegal Trafficking Control", PFI Peshawar**" must reach to office of the **Forest Geneticist, Pakistan Forest Institute (PFI), Peshawar by 11th June, 2025 at 2:00 P.M.** positively. Technical Proposal/Bid will be opened by the committee on the same date at 2:30 P.M. in the presence of tenderers or their representatives present on the occasion.
4. Technical proposal/Bid will be evaluated by the committee as per evaluation criteria based on specifications of equipment.
5. Only technically qualified bidder will be informed, whereas the Financial Proposal/Bids of Technically non responsive bidders shall be returned unopened to the respective firm/party representative. The Financial proposal/bid of only technically responsive qualified bidders will be opened by the same committee after evaluation of Technical proposal/bid in the presence of only technically qualified bidder /their representative (who may like to attend).
6. **The supplier/firm/party must be an authorized dealer of the manufacture.** The copy of Authorized Dealership/registration/certificate must be attached with the "Technical Proposal/Bid".
7. Due to the closing of financial year on 30/06/2025, supply of the tender items must be completed within **15 days** after issuance of work order.
8. All taxes (Income Tax, GST, Stamp Duty, Professional tax etc.) as per government rates/rules will be deducted.
9. Earnest money @ **2%** (refundable) of the bid value in shape of call deposit or pay order in favor of the **Forest Geneticist, PFI, Peshawar** should accompany the bid, failing which the bid shall not be entertained.
10. The payment of the bills submitted by the Firm/party will be made on the successful supply of all items as per tender documents/ agreement/, and verification by concerned committee relevant officer after quality and quantity assessment.
11. The tenderer will have to accept /abide by all the specification, terms and conditions mentioned in the tender documents.
12. PFI may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. PFI shall, upon request, communicate to any firm/bidder who submitted a bid or proposal, the grounds for rejection of single /all bid(s) or proposals.
13. Interested firms/parties can participate for items.
14. Incomplete tenders will not be entertained.
15. The tenderer will deliver all items at PFI, Peshawar on their own expenses.
16. The tenderer will install supplied equipment at Laboratory and carry out sample analysis demonstration of items/equipment and provide necessary training (at least 05 days) at PFI, Peshawar, as and when needed/demanded.
17. The equipment working must be compatible to the environmental/ climatic conditions of the Peshawar.
18. Substandard items will be rejected and returned on the expenses of the tenderer.
19. The firm will be responsible to complete the supplies/ tasks as agreed at the time of issuance of work order.
20. Bidders will have to attach the copies of GST, NTN and Professional Tax certificates along with bid documents.


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21. Bidders are requested to give their best and final price as negotiations on the price once quoted/offered are not permissible under the rules.
22. Tenders received later than specified date and time will not be accepted.
23. Cutting, doubtful, conditional, overwriting and alternate rates will not be accepted.
24. **The name of the project has to be mentioned on sealed envelope.**
25. The successful bidder shall, within three days, have to sign a contract before issuance of work order, failing which his earnest money shall be forfeited. Further, the successful bidder should submit security deposit @ 10% of the bid amount in shape of bank draft/ call deposit which will be refunded after completion of warranty period.
26. Failure in supply of items/completion of task within stipulated period shall entail forfeiture of earnest/ security money.
27. In case of violation in the specification, terms and conditions, the security will be forfeited.
28. The supplier will warrant that the equipment supplied are genuine, new, unused, of the most recent models, verifiable through Certificate & Traceability: Controlled by Serial Number/ Production Batch Certificate, Delivery-information, and Traceable Data Base System and that they incorporate all recent improvements in design and materials.
29. Brochures/operational manual and warranty (at least one year) of all the equipment quoted must be attached
30. The supplier will warrant free-of-cost replacement or repair of the goods procured falling in the warranty period from the date of its commissioning and in line with independently verifiable industry practices for that particular object of procurement.
31. The prices once offered shall be considered valid till completion of supply order(s).
32. The successful tenderer/ firm will provide an undertaking, on a stamp paper, agreeing to the above mentioned terms and conditions.
33. Suppliers/bidders must have to submit the performance certificate from the department/ officers to whom they have supplied the same items in the past for the last five years.
34. Affidavit on Stamp Paper of Rs.100/- that the firm is not black listed by any government / semi government Department.

Technical specifications of the Lab Equipment:

1. Autoclave

Having following features and specifications or higher:

- Delivery within **15 days** after the issuance of work/ supply order
- **Authorized dealership** certificate from the manufacturer
- **Make:** Germany/Japan/Korea/USA
- **Approvals:** International Quality Standards ISO 9001: 2000/CE/ RoHS
- **OEM Certificate**
- **Warranty** 01years or more
- Delivery-information, and Traceable Data Base System
- Vertical types
- Patented Special Steam Condensing Mechanism,
- Lever-type Sliding Door
- Built in New Generation Controller; Patented Jog-Dial Control System
- Electronic Door Lock Sensing System for User Safety.
- Door Open Button Automatically Lock Over 80°C
- Digital Fuzzy Controller. Included 2×Wire Baskets
- Casters equipped for Excellent Mobility.
- Digital LCD with Back-Light Function.
- Digital Timer Function - 'Delay Time' and 'Operation Time' can be Controlled.
- Solid / Liquid Mode could be chosen.



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 PFI, Postwar

- Water Low Level Detection
- Automatic Over Pressure Release Valve.
- Sterilization Error Indication: Error Alarm and Message in case of Power Failure and Temperature Error
- Capacity: 47 Lit.
- Temp. Range & Accuracy: Room Temp +5°C to 132°C, ±0.5°C at 121°C
- Pressure & Gauge: 1.2 kgf/cm² at 121°C / 2.0 kgf/cm² at 132°C, 0 ~ 3 kgf/cm²
- Sterilization mode: Solid- or Liquid-mode
- Heating Power/Consumption: 2 kW
- Timer & Alarm: 60 min, Error status & Timer-end
- Display: Digital LCD with Back-Light Function
- Controller: Digital Fuzzy-Control System (Fully Automatic)
- Door & Closing System: Lever-type Sliding Door / Safety Electronic Door Closing System
- Safety Circuit: Over-Temp./-Pressure/-Current protection, Sensor Error Detection
- Material: Stainless steel (#304)-Pressure Vessel, Powder Coated steel-External
- Basket: Stainless-steel wire baskets 2
- Basket Dimension (mm): Φ270×h240
- Dimension (W×D×H) Inner (mm): Φ300×h670
- Dimension (W×D×H) Outer (mm): 700×470×1080
- Electric Requirements: 1Phase - AC 230V, 50/60Hz

2. Gradient PCR

Have following features and specifications or higher:

- Delivery within **15 days** after the issuance of work/ supply order
- **Authorized dealership** certificate from the manufacturer
- **Make:** JAPAN/GERMANY/UK/USA
- **Approvals:** International Quality Standards ISO 9001: 2000/CE/ RoHS
- **OEM Certificate**
- **Warranty** 01year or more
- Android driven HD touchscreen.
- Automated protocol optimization with Program Wizard.
- Remote run and system monitoring via the Track Application.
- Authorize any USB drive to be the user's login key.
- Lock, protect and create favorite programs for ease of access and security.
- 96 well blocks available with block types having gradient functionality.
- Multiblock unit.
- Remote monitoring via the free Track App.
- Program Wizard to automate optimization.
- USB login for easy access to any system.
- Potential to detect an error state before it effects results.
- Input the forward and reverse primer sequences, define the amplicon length and source of the template and the built-in and validated algorithms will define a bespoke protocol.


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- Program Wizard to allow for high specificity touch down PCR and will accommodate for GC/AT imbalances in target sequence to get optimal Tms and hold times.
- Start a countdown clock of all running blocks on the unit.
- Allow the user to specify alarm notifications for system finish.
- Check on the progress of runs.
- Send health reports to have the system checked for any errors or deviations from system performance.
- Sets all defaults to the user's specific settings.
- Allow access to logged in user programs.
- Protection to programs from being accessed by any other user.
- Allow the user to use multiple systems in different locations like their own unit. Simply remove the USB and the user is logged out and their programs are not displayed on the system.
- Format: Single block
- Block: 96 well
- Maximum heating rate: 3.4°C per second
- Block temperature range: 10°C to 100°C (4°C final hold)
- Block uniformity at 55°C: ± 0.3°C
- Temperature accuracy at 55°C: ± 0.25°C
- Gradient: Yes (on all formats)
- Maximum Gradient: 29°C
- Gradient: 1°C
- Maximum number of programs stored: 1000
- Maximum fan noise: 50dB
- Peltier element type: 8
- Adjustable heated lid temperature: 35°C to 115°C or off
- Heated lid pressure: Adjustable
- Software Platform: Android
- Program interface: 7" inch HD
- Data transfer: USB port
- Auto re-start on power failure: Yes
- Dimensions (L x W x H) in mm: 430 x 260 x 200
- Voltage: 100-230Volts, 50/60Hz, 450W
- Electricity: 0.3 kWh

3. PCR Workstation Horizontal Laminar Airflow Cabinet

Having following features and specifications or higher:

- Delivery within **15 days** after the issuance of work/ supply order
- **Authorized dealership** certificate from the manufacturer
- **Make:** USA/GERMANY/JAPAN/ UK
- **Approvals:** International Quality Standards ISO 9001: 2000/CE/ RoHS et
- **OEM Certificate**
- **Warranty** 01year or more
- Hood Material Polypropylene Stainless

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- Work Table Material steel SUS 304
- Polypropylene structure with high chemical resistance
- Illumination: 800 LUX LED lighting
- Filter: HEPA Filter Efficiency of 99,9995% at 0.3 Microns H14
- Hour counter for filter
- Filter replacement alarm
- Work surface made of 304 stainless steel
- Side windows made of tempered glass
- High efficiency quiet EC fan
- Universal electrical outlet
- Eco-friendly, cost-effective LED lighting
- Horizontal air stream producing clean air in compliance with ISO5/ CLASS100 or ISO4/Class10 standards.
- Air Velocity 0.3 m/s, 60 FPM
- Compliance with Test Standard: US Federal Standard 209E / ISO-14644-1 / CE
- Color 5" touch screen
- 10-speed fan
- Outer Dimensions W x D x H: 1200 x 930 x 1110 mm 47.2" x 36.6 x 43.7"
- Workspace (W x D x H): 1070 x 660 x 640 mm 42.1 x 26 x 25"
- Cleanliness within Work station Class-100 (FS 209E) ISO 4, ISO-14644-1
- Noise: <50dB
- Power Supply: 220V, 50/60 Hz, Single phase
- With stand

4. Liquid Nitrogen Containers

Having following features and specifications or higher:

- Delivery within **15 days** after the issuance of work/ supply order
- Authorized dealership certificate from the manufacturer
- **Make:** USA/GERMANY/JAPAN or equal
- **Approvals:** International Quality Standards ISO 9001: 2000/CE/ RoHS et
- **OEM Certificate**
- **Warranty:** 01 year or more
- High-strength, lightweight and small-size aluminum construction
- Ultra-low evaporation loss
- Numbered index for canister position
- High thermal efficiency
- Heavy duty lockable enclosure for excellent security
- Capacity: 20L and 2L

5. Dry Bath Incubator

Having following features and specifications or higher:

- Delivery within **15 days** after the issuance of work/ supply order
- **Authorized dealership** certificate from the manufacturer
- **Make:** USA/ GERMANY/KOREA/ Japan/ UK
- **Approvals:** International Quality Standards ISO 9001: 2000/CE/ RoHS et
- **OEM Certificate**
- **Warranty** 01 year or more
- Designed for Multi-functional Dry Block Heater
- Dual Controller & Block


 Project Manager/DG
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- Dual-type with Digital Controller
- Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function
- Having Precise Temperature Control: $\pm 0.1^{\circ}\text{C}$ at 37°C , $\pm 0.2^{\circ}\text{C}$ at 90°C , $\pm 0.4^{\circ}\text{C}$ at 135°C
- User Self-Compensation Function to offset between Actual and Displayed Temperature. ($\pm 10.0^{\circ}\text{C}$)
- Over Temperature & Over Current Protection and Sensor Error Detection
- Digital Timer Included: up to 99hr 59min (Operation Time + Delay Time)
- Storage Function of Temperature and Timer setting values
- Alarm Function: Error Status and Timer-end
- Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
- The Block Extraction Tongs
- Controller: Dual Digital Fuzzy Controller
- Useful Block: Interchangeable Block ($90 \times 120 \times 60\text{mm}$) for Various Tubes included
- Standard Block: 48 holes for 1.5/ 2ml Centri. Tube
- Heater: Molded Heater(300W) $\times 2$ ea
- Temp. Range, & Accuracy: Ambient $+5^{\circ}\text{C}$ to 150°C , $\pm 0.1^{\circ}\text{C}$ at 37°C , $\pm 0.2^{\circ}\text{C}$ at 90°C , $\pm 0.4^{\circ}\text{C}$ at 135°C
- Heat-Up Speed & Sensor: Approx. $5^{\circ}\text{C}/\text{min}$, PT100
- Safety Circuit: Over Temp. and Over Current Protector, Sensor Error Detector
- Timer with Alarm: 99hr 59min, Alarm (Error Status and Timer - end)
- Display: Digital LCD with Back-Light Function
- Material Unit: Stainless-steel (#304) & Powder Coated steel,
- Block: Anodized Aluminum
- Included Standard Accessories: Block Tong and Block Cover
- Power Consumption: 600 W
- Electric Requirements: AC 230V, 50 / 60Hz
- **Must be Including:**
- for 1.5/2ml centrifuge tube, ($\Phi 11 \times h 35\text{mm}$) $\times 48$ holes

6. Electrical Balance

Having following features and specifications or higher:

- Delivery within **15 days** after the issuance of work/ supply order
- **Authorized dealership** certificate from the manufacturer
- **Make:** USA/ Germany/ Switzerland/ Italy/ Japan
- **Approvals:** International Quality Standards ISO 9001: 2000/CE/ RoHS
- **OEM Certificate**
- **Warranty** 02years
- With Certificate & Traceability: Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- To see-through glass door draft shield for reading accuracy.
- Aluminum alloy body and stainless-steel platform with clear glass wind shield.
- 4.3 inches high resolution TFT capacitive touch screen, display with backlight.
- Electromagnetic sensor technology.
- Multiple functions like weighing, parts counting, percent weighing, check weighing, density determination and multi weighing units.
- Built-in ARM32-bit microprocessor.
- External/Internal calibration and support Bluetooth printer.
- Capacity: 300g

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- Readability: 0.0001g
- Calibration: External
- Repeatability: 0.0001g
- Linearity: $\pm 0.0002g$
- Weighing Units: gram, carat, ounce, pound, troy ounce, Newton
- Applications: Weighing, Parts Counting, Percent Weighing, Check Weighing
- Stabilization Time: ≤ 4 seconds
- Display: 4.3-inch capacitive touch screen
- Pan Size: 85mm
- Communication: USB
- Power Supply: DC12V 1A

Must be Including:

- Density Determination kit for solid
- With Printer

7. Water Distillation (Apparatus)

- Delivery within **15 days** after the issuance of work/ supply order
- **Make:** USA/GERMANY/KOREA
- **Authorized dealership** certificate from the manufacturer
- **Approvals:** International Quality Standards ISO 9001: 2000/CE/ RoHS
- **Warranty** 01year or more
- High Efficiency Coil Condenser to ensure Low Temperature, High Output Quality Distillate of Conductivity 3 to 4 /cm.
- Suitable for Bench and wall Mounting
- Built-in Constant Level Device with Schott Vendura-Nova Valve for Drainage
- Easy Descaling without Dismantling
- Safety Thermostat Built into the Heater to protect the Water Still in the Event of low Water supply
- Automatically Resetting when power supply and the water supply is restored after failure.
- Borosilicate Glass Boiler and High-efficiency Condenser ensure the Highest in Distillate Purity.
- Distillate Output 4 Liters/hour
- Quality of Distillate: pH/Conductivity 5.0 ~ 6.5 pH / 3.0 ~ 4.0 /cm
- Resistivity/Temperature 0.25 ~ 0.30 $\cdot cm$ / 25°C~35°C
- Pyrogen Content Pyrogen Free
- Water Supply Requirement 1 Liter/min, minimum 3psi (0.2 bar)
- Power Supply 220/240V, 50/60Hz, 3kW


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Corrigendum

With reference to this office advertisement regarding the purchase of various items under the ADP Project titled, "Studies on DNA Fingerprinting of Important Pakistani Timbers For Their Identification and Illegal Trafficking Control" at PFI Peshawar, published in the newspapers on 23rd May 2025 and uploaded on the websites of KPPRA and PFI, the Pre-bid Conference was held on 29th May 2025 at PFI. The Tender Document has been amended in the light of Pre-bid Conference and revised tender Document has been uploaded on PFI & KPPRA websites.



Forest Geneticist/Project Incharge

Studies on DNA Fingerprinting of Important Pakistani Timbers
for their Identification and Illegal Trafficking Control, Project
Pakistan Forest Institute, Peshawar.