



The Islamia University of Bahawalpur

TENDER NOTICE

Sealed Tenders on item wise rate basis are invited from the Manufacturing Firms or their Authorized Distributors, Dealers and General order Suppliers having established credentials in terms of Technical, Financial and Managerial capabilities for the supply of **Lab Equipments, for Various Departments**, The Islamia University of Bahawalpur on FOR basis.

| Tender No. | Category (Quantity and specifications are available in the tender document) | Estimated Cost | 2% Bid Security |
|------------|--|----------------|-----------------|
| A | Lab Equipment's For Botany Department | Rs.2380000/- | Rs.47600/- |
| B | Purchase of Rams(Male Sheep) Ewes(Female Sheep) of Sipli breed Department Veterinary PARB (NO.656) | Rs.1500000/- | Rs.30000/- |
| C | Lab Equipment's For Physics Department | Rs.200000/- | Rs.4000/- |

- Interested bidders may get the Tender Documents containing detailed specifications, terms and conditions from the Purchase Section, Account Department Abbasia Campus (Old), the Islamia University of Bahawalpur during office hours on submission of written application on letter head and a copy of CNIC or can be down loaded from the IUB website www.iub.edu.pk OR PPRA website www.ppra.punjab.gov.pk on payment of (non-refundable fee) of Rs. 1000/ (Separately for each category) through Bank challan HBL in A/C 14730000010403 or pay order in the name of the Treasurer, The Islamia University of Bahawalpur . Original receipt should be attached with Technical bid.
- 2% Bank Guarantee** of the estimated cost as mentioned above separately against each tender (Refundable) in the shape of CDR shall be attached with the bid, otherwise bid will be rejected.
- The rates should be quoted on FOR basis.
- Single Stage – Two Envelopes** bidding procedure will be adopted as per PPRA Rules 38- 2(a). The Envelopes shall be marked as “**TECHNICAL PROPOSAL**” AND “**FINANCIAL PROPOSAL**” in legible letters. Financial Proposal of bids found technically non-responsive shall be returned un-opened.
- Procurement shall be governed under the Punjab Procurement Rules, 2014.
- The rates should be quoted inclusive of all taxes. Copy of paid bank challan of professional tax and copy of the bid security shall be attached with the technical proposal.
- The Islamia University of Bahawalpur however, reserves the rights to reject all bids at any time prior to acceptance of a bid as per clause 35 of the Punjab Procurement Rules and grounds of rejection will be conveyed to the bidders upon their request.
- Tender should reach in the Office of the Secretary SMPC Accounts Division Old Campus, The Islamia University of Bahawalpur upto **28.12.2020 by 11:00 AM**. Tenders will be opened on the same day at **11:30 AM** in the presence of bidders or their representatives. In the office of Chairman Purchase Committee, Chemistry department Baghdad-ul-Jadeed Campus.
- Any bid submitted after the given time schedule shall not be accepted.
- All taxes will be applicable as per Govt. Rules & Regulations.
- The rates should be valid upto 120-days from the date of opening of the tender.
- In case of closed/forced holidays, tender opening time/date will be considered as the next working day.



Chairman SMPC
The Islamia University of Bahawalpur
Baghdad-ul-Jadeed Campus, Bahawalpur.
Phone: 062-9255481



PROCUREMENT OF LAB EQUIPMENT’S FOR BOTANY TENDER-A
FORM

1. Name of Firm: _____
2. Mailing Address: _____
3. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challan No. & amount _____ 6.CDR No. & Amount _____
7. General Sale Tax No: _____ 8. Income Tax No. _____
9. Professional Tax No: _____

| Sr | Name of Items | Qty | Rate per item with all taxes | | | | | | | | | | | | | | | | |
|--|---|--|------------------------------|-------------------------|-----------------------|-------------------|--------------------------|---|-------------------|-------------------|--------------------------|---|-------------------|-----------------|----------------|--|----------|----|--|
| 1 | <p>Digital Precise Water Bath With <i>Digital Fuzzy Control</i> Model: WB-22 DAIHAN Scientific Co. Ltd., KOREA <u>Features:</u> ■ With Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System ■ Digital Fuzzy Control System Implementing Superior Temperature Accuracy ■ Patented Jog-Shuttle Control System and Digital LCD Display With Back-Light Function ■ PL(Product Liability) Insurance * User's Self-Compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0°C). * 304 Stainless steel Bath & Lid for Superior Durability & High Thermal Efficiency/Constant. * Digital Timer Function (99hr 59min) : ‘Delay Time’ and ‘Operation Time’ can be Controlled. * Storage Function for the Set Values of Temperature and Timer. * Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled). <u>Technical Specifications:</u> Capacity: 22 Lit. Temp. Range & Accuracy: Ambient ±5°C ~ 100°C, ±0.1°C Temp. Resolution: 0.1°C - Display, 0.1°C - Control Temp. Uniformity & Probe: ±1.0°C, PT100 Heating Power: 2 kW Timer & Alarm: 99hr 59min (Delay & Continuous run), Error status & Timer-end Display: Digital LCD with Back-Light Function Controller: Digital Fuzzy Controller with Jog - Shuttle Switch (Turn + Push) Safety Circuit: Over-Temp. / -Current protection, Sensor Error Detection Material: Stainless steel (#304)-Internal, Powder Coated steel-External Drain Valve: Mounted(Ø9.5~11mm), Port of Shipment: Korea Dimension (W x D x H) Effective Space: 500 x 295 x h110mm Dimension (W x D x H) Internal: 500 x 295 x h150mm Dimension (W x D x H) External: 535 x 330 x h260mm Power Supply: AC 230 V, 50 / 60 Hz. With Gabled Cover</p> | 01 | | | | | | | | | | | | | | | | | |
| 2 | <p>Centrifuge Machine CENTURION SCIENTIFIC LTD., UK. <u>Technical Specifications:</u> Speed: 500-15,000 Rpm (10 Rpm steps), Rcf Max: 22,000 G, Supply: 230V, 50/60Hz <u>Complete With:</u> Small Fixed Angle Rotor, Cat. No: BRK5408 Rotor type: 8 x 15ml tube, Maximum Speed Rpm: 6,000. Maximum Rcf (G): 3,400. Autoclavable (frequency): 121°C (10) PrO-Analytical series Built to last, these Centrifuges have strong construction yet, offer a sleek modern design that will fit into any modern laboratory. No compromises on quality, only the best components are used in the manufacturing process. By working with all our suppliers, our reliability has been retained and improved to give all our range a 3 year warranty as standard. CE marked and ISO 9001 regulated and now IVD certified too <table><tr><th>User features to PrO-Analytical Series</th><th>Advantages</th></tr><tr><td>Bright blue LED display</td><td>Clarity & ease of use</td></tr><tr><td>Rotor recognition</td><td>Safe selection of rotors</td></tr><tr><td>10 acceleration rates & 10 deceleration rates</td><td>Sample assistance</td></tr><tr><td>10 program memory</td><td>Multi department & Users</td></tr><tr><td>Timer 0-99 minutes & Hold in 30 second increments</td><td>Total flexibility</td></tr><tr><td>Pulse short run</td><td>Fast pelleting</td></tr><tr><td>Run in speed (rpm) or rcf (G) in 10 rpm increments</td><td>Accuracy</td></tr></table></p> | User features to PrO-Analytical Series | Advantages | Bright blue LED display | Clarity & ease of use | Rotor recognition | Safe selection of rotors | 10 acceleration rates & 10 deceleration rates | Sample assistance | 10 program memory | Multi department & Users | Timer 0-99 minutes & Hold in 30 second increments | Total flexibility | Pulse short run | Fast pelleting | Run in speed (rpm) or rcf (G) in 10 rpm increments | Accuracy | 01 | |
| User features to PrO-Analytical Series | Advantages | | | | | | | | | | | | | | | | | | |
| Bright blue LED display | Clarity & ease of use | | | | | | | | | | | | | | | | | | |
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| 10 acceleration rates & 10 deceleration rates | Sample assistance | | | | | | | | | | | | | | | | | | |
| 10 program memory | Multi department & Users | | | | | | | | | | | | | | | | | | |
| Timer 0-99 minutes & Hold in 30 second increments | Total flexibility | | | | | | | | | | | | | | | | | | |
| Pulse short run | Fast pelleting | | | | | | | | | | | | | | | | | | |
| Run in speed (rpm) or rcf (G) in 10 rpm increments | Accuracy | | | | | | | | | | | | | | | | | | |

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|---|---|----|--|
| | <div> <div> Orientation acceleration rate deposits Sound <60db (rotor dependent) Standard to PrO-Analytical Series Extra thick stainless steel bowl Port to lid Alloy & steel frame (zinc coated) World leading industrial grade inverter Best quality European brushless motor High technology airflow (ambient mode) Safety features to PrO-Analytical Series Multi point lid locking Emergency lid release release Lid Spring Strut Lid lock detection Imbalance detection Overspeed sensor Set inverter values Barrier ring chamber Motor overheat sensor protection </div> <div> Prevents initial sample side Quiet Advantages Easy clean & rust free Tachometer speed certification Strong light & quiet Reliability & strength Quiet, cool & reliable Cooler running Advantages Lid safety Power failure Lid dropping safety To run, lid must be shut Eradicates user loading errors Safe detection of speed Electronic safety of speed Safety protection of Safe motor </div> </div> | | |
| 3 | <div> Trinocular LED Microscope With Built-in UPS Model: Lx400 LABOMED LABO AMERICA INC., USA. <u>Technical Specifications:</u> Optical System: Antifungal Infinity corrected optical system Stand: Single mold sturdy stand with anti-rust materials. Extended base with hand rests for enhanced stability and comfort. Viewing Body: Siedentopf Trinocular tube, 30° inclined, 360° captive rotation, interpupillary distance 48-75mm Eyepieces: Wide Field focusable paired eyepieces WF 10x/20mm, with eyeguard, antifungal coatings Nosepiece: Reverse angle quadruple nosepiece (ball-bearing type) with click stops and rubber grip Objectives: RP series DIN Infinity Corrected Phase Plan Achromatic objectives; antifungal coatings 4x/NA 0.10/WD 30.0mm 10x/NA 0.25/WD 4.5mm 40x (spring loaded)/NA 0.65/WD 0.50mm 100x (spring loaded, oil)/NA 1.25/WD 0.13mm Mechanical Stage: RACKLESS X-axis, double plate mechanical stage plate size 200 x 140mm, X/Y travel range 78 x 54mm. Low drive movement controls. Hard coated surface for scratch resistance. All brass gears. Focusing: Feather touch attrition free coaxial coarse and fine focus adjustment with auto tension adjustment for longer life and ultra smooth movement. Weighted fine focus. Illumination: LED illumination Electrical: Universal input 100V-240V AC, 50/60 Hz Packed in styrofoam box, with operation manual, allen wrench, Nylon dust cover, soft cleaning cloth, power cord, spare fuse and 10ml immersion oil TYPE A. <u>INCLUDED FOLLOWING FOR ABOVE:-</u> a) Digital Camera with Adaptor Model: VEGA LABOMED LABO AMERICA INC., USA. Specifications:- Sensor: 1/2.8" 6.0 MP Color CMOS Active area: 5.70mm x 4.28mm Sensor resolution: Dynamic 1920x1080 pixels, Static 3264x1836 pixels Pixel size: 2.7µm x 2.7µm A/D conversion: 24 Bit RGB Pixel clock: 48 MHz Dynamic range: 65 dB Max. exposure: 1ms-10s auto/manual, white balancing Frame rate: 30 fps (@1080p) Image processing: High speed dual FPGA, progressive scan, advanced noise reduction Interface: USB 3.0, HDMI, SD card, mouse control Optical connection: C-mount Voltage supply: AC power (universal) Power indication: Green LED indicating power on and ready for capture Measurement: Geometric and axial, calibration Ambient conditions: Operating Temperature: 0-60°C Humidity: 45-85% Software requirements: Microsoft Windows (XP and later versions) / Linux / Mac b) Computer System (Local Arrangement) </div> | 01 | |
| 4 | <div> Binocular Microscope With Built-in UPS Model: CxL LABOMED LABO AMERICA INC., USA. <u>Technical Specifications:</u> Optical System: Antifungal Finite optical system Stand: Single mold sturdy stand with anti-rust materials. Extended base with hand rests for enhanced stability and comfort Viewing Bodies: Rotating binocular tube, 45° inclined, 360° rotatable when locked-in, Interpupillary distance 54-74mm Eyepieces: Wide Field focusable paired eyepiece WF 10x/18mm, with foldable eyeguard, lockable, antifungal coating Nosepiece: Quadruple nosepiece (Ball-bearing type) with rubber grip Objectives: LP series DIN Semi-Plan Achromatic objectives, antifungal </div> | 01 | |

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|---------------|---|-------------|-----------|-------|-----|---------------|-----------|-------|-----|--------------|-----------|------|-----|--------------|-----------|-----|-----|-------------|-------------|--|--|-------------|--|---------------|--|--------------|-----------------|--------------|--|-------------|--|----|--|
| | <p>4x/NA 0.10/WD 8.83mm, 10x/NA 0.25/WD 0.66mm, 40x (spring)/NA 0.65/WD 0.49mm 100x (spring loaded, oil)/NA 1.25/WD 0.14mm</p> <p>Mechanical Stage: Rectangular stage plate size 135 x 124mm, X/Y travel range 76 x 50mm. Low drive movement controls.</p> <p>Condenser: Sub-stage Abbe condenser NA 1.25 with aspheric lens. Iris diaphragm with snap-in blue filter. Rack and pinion movements on metal guides.</p> <p>Focusing: Feather touch tension adjustment free co-axial coarse and fine focusing for ultra smooth movement. Fine focus 0.3mm per rotation.</p> <p>Illumination: LED Illumination with built-in rechargeable battery making it cordless during use.</p> <p>Electrical: Universal input 100V-240V AC, 50/60 Hz</p> <p>Packed in styrofoam box, with operation manual, allen wrench, Nylon dust cover, cleaning cloth, power cord, spare bulb, spare fuse and 10ml immersion oil TYPE A.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | <p>Multifunction Vortex Mixer Model: VM-10 DAIHAN Scientific Co., Ltd. KOREA.</p> <p>■ With Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System</p> <p>■ Ideal for Mixing Solutions in Test Tubes or Small Flasks with Circular, Oscillating Movement</p> <p>■ Variable Speed Control Allows Slow Speed Shaking Action up to High Speed Vortexing</p> <p>■ CE Certified ■ PL (Product Liability) Insurance</p> <p>* Gentle Mixing to re-suspending Pellet</p> <p>* Ideal for Mixing Solutions in Test Tubes or Small Flasks with Circular, Oscillating Movement</p> <p>* Supplied with Ø76mm Platform and Pop-Off Cup</p> <p>* Realize High Power, Stable Motion with Low Noise</p> <p>* Tough Metal Housing Provides a Stable Platform for all types of Mixing</p> <p>* 3-position Power Switch Operates with Continuous Action or "Touch On" Control</p> <p>* Variable Speed Control Allows Slow Speed Shaking Action up to High Speed Vortex</p> <p>* Aluminum Die-casting with Powder Coating</p> <p>* Various Shapes, Sizes and Materials of the Head allows for mixing of almost all Common Tubes or Containers</p> <p><u>Technical Specifications:</u></p> <p>Speed Range: 0 ~ 3,300 rpm, Shaking Motion: Orbital, Control: Analog Phase Controller</p> <p>Head: included Pop-off Cup Head and Ø76mm Platform</p> <p>Material: Aluminum Die-casting with Powder Coating</p> <p>Dimensions (W x D x H) (mm): 160 x 128 x h145 mm</p> <p>Weight: 3 kg, Others: CE Certified, 3-position Power Switch Operates</p> <p>Aluminum Die-casting with Powder Coating</p> <p>included Pop-off Cup Head and Ø76mm Platform</p> <p>Power Consumption: 30 W, Power Supply & Cord Plug: AC 230V, 50 / 60Hz</p> | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | <p>Flame Photometer Spectrolab Analytical, England.</p> <p><u>Features:</u></p> <ul style="list-style-type: none">• Features include• 5 element analysis Na, K, Li, Ca. Ba.• Sensitivity 1ppm for many elements• Simultaneously analyse up to 4 elements with a single aspiration• Calibration curves with up to X20 standards• Curve fitting using least squares - quadratic• Save function for multiple calibrations,• Auto ignition, Auto gas shut down with power failure• Flow status indicator for gas and air• Auto correction for interferences• Microprocessor data storage• Printer option• RS232 interface <p><u>Specifications:</u></p> <p>Parameter/Filter:</p> <p>Range:</p> <table><tr><td>Sodium (Na)</td><td>1-100 ppm</td><td>0-200</td><td>mEq</td></tr><tr><td>Potassium (K)</td><td>1-100 ppm</td><td>0-100</td><td>mEq</td></tr><tr><td>Lithium (Li)</td><td>1-100 ppm</td><td>0-10</td><td>mEq</td></tr><tr><td>Calcium (Ca)</td><td>1-100 ppm</td><td>0-5</td><td>mEq</td></tr><tr><td>Barium (Ba)</td><td>50-1000 ppm</td><td></td><td></td></tr></table> <p>mEq values are claimed with appropriate dilution</p> <p>Linearity:</p> <table><tr><td>Sodium (Na)</td><td></td></tr><tr><td>Potassium (K)</td><td></td></tr><tr><td>Lithium (Li)</td><td>Linearity: 1-2%</td></tr><tr><td>Calcium (Ca)</td><td></td></tr><tr><td>Barium (Ba)</td><td></td></tr></table> <p><u>Including:</u> CO₂ Cylinder & Regulator (Local Arrangement)</p> | Sodium (Na) | 1-100 ppm | 0-200 | mEq | Potassium (K) | 1-100 ppm | 0-100 | mEq | Lithium (Li) | 1-100 ppm | 0-10 | mEq | Calcium (Ca) | 1-100 ppm | 0-5 | mEq | Barium (Ba) | 50-1000 ppm | | | Sodium (Na) | | Potassium (K) | | Lithium (Li) | Linearity: 1-2% | Calcium (Ca) | | Barium (Ba) | | 01 | |
| Sodium (Na) | 1-100 ppm | 0-200 | mEq | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potassium (K) | 1-100 ppm | 0-100 | mEq | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lithium (Li) | 1-100 ppm | 0-10 | mEq | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calcium (Ca) | 1-100 ppm | 0-5 | mEq | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barium (Ba) | 50-1000 ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sodium (Na) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potassium (K) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lithium (Li) | Linearity: 1-2% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calcium (Ca) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barium (Ba) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | <p>DDS-12DW Benchtop Conductivity Meter (UK)</p> <p>Classical benchtop conductivity meter, 1 to 3 points calibration, setup menu contains 6 options. The meter is suitable for daily testing and controls, accuracy: 1% F.S.</p> <p>Features:</p> <ul style="list-style-type: none">• Classical benchtop conductivity meter is equipped with a backlit LCD display.• 1 to 3 points calibration with automatic recognition for conductivity standards.• Automatic temperature compensation corrects conductivity measurment to reference temperature.• Auto-Read function senses and locks the measurement endpoint.• Setup menu allows setting the number of calibration points, cell constant, temperature coefficient, auto-power off, etc.• Reset function automatically resumes all settings back to the factory defaults. | 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--------------------------|--|------------------------|--|--------------------------|---|-------------------------|----------------------------|-----------------------|------|---------------|------------------------|---------------|-------------------------|-----------|-----------------------------------|---------|-----------------------|-------|-----------------------------------|------------|-----------------------|--------|-------|--|--|
| | <table><tr><td colspan="2">General Specifications</td></tr><tr><td>Temperature Compensation</td><td>0 to 100°C/32 to 212°F, manual or automatic</td></tr><tr><td>Temperature Coefficient</td><td>Linear (0.0 to 10.0%/°C)</td></tr><tr><td>Reference Temperature</td><td>25°C</td></tr><tr><td>Cell Constant</td><td>K=0.1, 1, 10 or custom</td></tr><tr><td>Hold Function</td><td>Manual or auto-endpoint</td></tr><tr><td>Connector</td><td>6-pin nimi-DIN, 3.5mm jack socket</td></tr><tr><td>Display</td><td>Custom LCD (120×60mm)</td></tr><tr><td>Power</td><td>DC9V, using AC adapter, 220V/50Hz</td></tr><tr><td>Dimensions</td><td>210(L)×205(W)×75(H)mm</td></tr><tr><td>Weight</td><td>1.5kg</td></tr></table> | General Specifications | | Temperature Compensation | 0 to 100°C/32 to 212°F, manual or automatic | Temperature Coefficient | Linear (0.0 to 10.0%/°C) | Reference Temperature | 25°C | Cell Constant | K=0.1, 1, 10 or custom | Hold Function | Manual or auto-endpoint | Connector | 6-pin nimi-DIN, 3.5mm jack socket | Display | Custom LCD (120×60mm) | Power | DC9V, using AC adapter, 220V/50Hz | Dimensions | 210(L)×205(W)×75(H)mm | Weight | 1.5kg | | |
| General Specifications | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature Compensation | 0 to 100°C/32 to 212°F, manual or automatic | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature Coefficient | Linear (0.0 to 10.0%/°C) | | | | | | | | | | | | | | | | | | | | | | | | |
| Reference Temperature | 25°C | | | | | | | | | | | | | | | | | | | | | | | | |
| Cell Constant | K=0.1, 1, 10 or custom | | | | | | | | | | | | | | | | | | | | | | | | |
| Hold Function | Manual or auto-endpoint | | | | | | | | | | | | | | | | | | | | | | | | |
| Connector | 6-pin nimi-DIN, 3.5mm jack socket | | | | | | | | | | | | | | | | | | | | | | | | |
| Display | Custom LCD (120×60mm) | | | | | | | | | | | | | | | | | | | | | | | | |
| Power | DC9V, using AC adapter, 220V/50Hz | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions | 210(L)×205(W)×75(H)mm | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 1.5kg | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | <p>Lab pH meter inoLab® pH 7110 (UK)</p> <p>imple, easy-to-use lab pH meter for the routine measurement with reproducible measuring results and increased measuring accuracy</p> <ul style="list-style-type: none">•Repeatable measuring results by automatic recognition of stable values•Secure operation: Automated functions reduce the number of keys•Increased measuring accuracy by calibration timer with periodic reminders for calibration <p>The inoLab® pH 7110 is highly suitable for routine measurements in the lab, where automatic documentation is not a priority. Less keys make operation simple and safe. With smooth, easy to clean surface.</p> <table><tr><td>pH</td><td>-2.0 ... 20.0 ±0.1 pH -2.00 ... 20.00 ±0.01 pH -2.000 ... 19.999 ±0.005 pH</td></tr><tr><td>mV</td><td>±(1200.0 ±0.3) mV, ±(2000±1) mV</td></tr><tr><td>Temperature</td><td>-5.0 ... +105.0 °C ±0.1 °C</td></tr></table> | pH | -2.0 ... 20.0 ±0.1 pH -2.00 ... 20.00 ±0.01 pH -2.000 ... 19.999 ±0.005 pH | mV | ±(1200.0 ±0.3) mV, ±(2000±1) mV | Temperature | -5.0 ... +105.0 °C ±0.1 °C | 01 | | | | | | | | | | | | | | | | | |
| pH | -2.0 ... 20.0 ±0.1 pH -2.00 ... 20.00 ±0.01 pH -2.000 ... 19.999 ±0.005 pH | | | | | | | | | | | | | | | | | | | | | | | | |
| mV | ±(1200.0 ±0.3) mV, ±(2000±1) mV | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature | -5.0 ... +105.0 °C ±0.1 °C | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | <p>Analytical Balance</p> <p>ADAM Equipment Co., Ltd. UK.</p> <p><i>With internal Calibration</i></p> <p>Features:</p> <ul style="list-style-type: none">- Backlit LCD display - Colour coded keys- Level indicator with adjustable levelling feet- Removable draft shield supplied on 0.001g readabilities- Robust metal housing - Sealed keypad- Pan lifter to easily remove samples <p><i>Technical Specifications:</i></p> <p>Maximum capacity: 250g</p> <p>Readability: 0.0001g</p> <p>Repeatability (S.D.): 0.0002g</p> <p>Pan size: 90mm Ø</p> <p>General Specifications:</p> <p>Typical stabilisation time: 3 Sec</p> <p>Overall dimensions (wxdxh): 8.7 x 12.2 x 12.7" / 221 x 310 x 323mm</p> <p>Net weight: 11.7lb</p> | 01 | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | <p>Laboratory Oven / Incubator (UK)</p> <p>Laboratory Oven/Incubator, for dual-purpose which is forced-air convection, can provide direct assistance as well as reliable guarantee to colleges, scientific research institutes, and laboratories.</p> <p>Features</p> <ul style="list-style-type: none">● Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning, and the space between the shelves in the chamber is adjustable● Large LCD display.● 25mm dia. test hold in the left side of Chamber.● Microprocessor temperature controller ensures a precise and reliable control● Uniform distribution of air temperature● Forced-air convection● Double layer glass door, larger viewing window● Forced-air and heating stops automatically once the door opened <p>Specifications</p> <ul style="list-style-type: none">● Temp. Range: RT+10-200°C● Temp. Accuracy: 0.1 °C● Ambient Temp.: +5-40 °C● Timing Range: 1-9999min● Shelves: 2 pcs (40L&70L), 3pcs (140L&240L)● Interior size: 40L 350*300*400 mm (WxDxH), 70L 400*320*550 mm (WxDxH) 140L 500*380*750 mm (WxDxH), 240L 600*450*900 mm (WxDxH) | 01 | | | | | | | | | | | | | | | | | | | | | | | |

11

General Purpose Laboratory Refrigerator (UK or USA)

Specifications:

| Models | BST/LR-500 | BST/LR-1000 |
|----------------------|---|-------------|
| Capacity | 500 Liters | 1000 Liters |
| Temperature Range | 2°C to 8°C | |
| Temperature Accuracy | ±0.5°C | |
| Controller | PID Controller | |
| Construction | Exterior: Powder Coated Mild Steel / SS (Optional) Interior: Stainless Steel | |
| Door | Standard hinged Single / Double doors with double gasket | |
| Insulation | PUF insulation | |
| Trays | Perforated trays made of stainless steel | |
| Refrigeration | CFC Free compressor | |
| Air Circulation | Forced air circulation | |
| Alarms | Audio / Visual alarm for High / low temperature, door opening & condenser fault | |
| Optional | 1.Fluorescent lamp 2.Stainless Steel exterior 3. Extra shelves 4. Temperature chart recorder 5. Rechargeable battery for alarm 6. Caster wheels 7. Computer interface 8. Memory storage & printer 9. Voltage stabilizer | |
| Power | 220 / 230 Volts 50 Hz | |

01

Note: All the bidders are required to mention the details of their product being offered by them in the Technical proposal and also clearly mention the name & relevant major specifications of their offered product while quoting the financial bid as well. Mere reproduction of our tender documents will not serve the purpose and the bid may be liable to be rejected by the procuring agency in such cases.

Terms & Conditions

1. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
2. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from England, USA, Korea, UK, Equilent etc.**
3. Prices should be FOR. If the items supplied are not according to the required specification/make it will have to be replaced by the firms on their own cost.
4. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
5. Validity of rate should be for 120 days from the date of opening of tenders.
6. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
7. Key Person Contact No.0333-6754322

Signature: _____

Name: _____

Designation: _____

Date: _____

Attachments:

- Earnest Money draft (Yes/No)
- Affidavit for non black listing (Yes/No)
- Bid Validity (Yes/No)
- Signed terms & conditions (Yes/No)

Note: Bid shall be signed by the bidder/authorized person for bidder.



The Islamia University of Bahawalpur

PROCUREMENT OF RAMS AND EWES FOR VETERINARY COLLEGE (PARB PROJECT) TENDER-B FORM

1. Name of Firm: _____
2. Mailing Address: _____
3. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challan No. & amount _____ 6. CDR No. & Amount _____
7. General Sale Tax No: _____ 8. Income Tax No. _____
9. Professional Tax No: _____

| Sr | Name of Items | Qty | Rate per Kg live weight basis with all taxes |
|----|--|-------|---|
| 1 | Rams (Male Sheep) Adult two teeth (Donda) having Sipli breed characteristics, well developed testes, good libido, free from physical defects, diseases, body injury, Parasites and Diarrhea. | 05Nos | |
| 2 | Ewes (Female Sheep) Adult two to four teeth (Dondi/Chogi) having Sipli breed Characteristics, well developed udder, intact teats, free from physical defects, diseases, body injury, parasites and diarrhea, preferably having history of lambled once recently. Provided preferably from farmer’s flock. | 50Nos | |

Terms & Conditions

1. Prices should be FOR delivery to the University College of Veterinary & Animal Science, the Islamia University of Bahawalpur. If the items supplied are not according to the required specification/make it will have to be replaced by the firms on their own cost.
2. Validity of rate should be for 120 days from the date of opening of tenders.
3. Key Person Contact No. 0333-6589227

Signature: _____

Name: _____

Designation: _____

Date: _____

Attachments:

- Earnest Money draft (Yes/No)
- Affidavit for non black listing (Yes/No)
- Bid Validity (Yes/No)
- Signed terms & conditions (Yes/No)

Note: Bid shall be signed by the bidder/authorized person for bidder.



PROCUREMENT OF LAB EQUIPMENT’S FOR PHYSICS TENDER-C
FORM

4. Name of Firm: _____
5. Mailing Address: _____
6. Phone No: _____ 4. Fax No: _____
5. Tender Fee Challan No. & amount _____ 6.CDR No. & Amount _____
7. General Sale Tax No: _____ 8. Income Tax No. _____
9. Professional Tax No: _____

| Sr | Name of Items | Qty | Rate per item with all taxes |
|----|--|-----|------------------------------|
| 1 | Drying Oven Specifications: : Chamber volume: 30 L Method: The aplomb forces convection Temperature range: Ambient temperature + 10 to 300°C Temperature accuracy: ±1 at 100°C Temperature fluctuation: ± 1°C Temperature uniformity: ± 2.5°C Temperature controller: (The PID microprocessor controls, touch type, numeral manifestation) Temperature sensor: PT100 (Platinum gold resistor PT100) Timer: Wait on time, wait off time (Maximum: 99 h, Minimum: 1 min) Environmental condition: Temperature 5 to 30°C Maximum Relative humidity: Maximum relative humidity 80% Altitude: up to 2000 m Internal material: 304 stainless steels External material: 08F (Iron 08F) Number of shelves (Standard/Maximium): 2/4 Shelf dimension: 293 mm × 275 mm Power: 700 W | 01 | |

Note: All the bidders are required to mention the details of their product being offered by them in the Technical proposal and also clearly mention the name & relevant major specifications of their offered product while quoting the financial bid as well. Mere reproduction of our tender documents will not serve the purpose and the bid may be liable to be rejected by the procuring agency in such cases.

Terms & Conditions

1. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
2. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from England, USA, Korea, UK, Equilent etc.**
3. Prices should be FOR. If the items supplied are not according to the required specification/make it will have to be replaced by the firms on their own cost.
4. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
5. Validity of rate should be for 120 days from the date of opening of tenders.
6. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
7. Key Person Contact No.0304-6561959

Signature: _____
Name: _____
Designation: _____
Date: _____

Attachments:

Earnest Money draft (Yes/No)
Affidavit for non black listing (Yes/No)
Bid Validity (Yes/No)
Signed terms & conditions (Yes/No)

Note: Bid shall be signed by the bidder/authorized person for bidder.