



The Islamia University of Bahawalpur

PROCUREMENT OF LAB EQUIPMENTS FOR PHYSICS DEPARTMENT TENDER-A FORM

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

Sr. #	Item	Qty	Rate per Item with all taxes
1	Power Supply Manual Triple Channel DC PS, Number of Outputs = 3 Maximum Voltage = 1.25KV Maximum Current = 100A Maximum Power = 200W Connectivity = USB Current Read back Resolution = 1mA including necessary cables (Standford research system- SRS or equivalent))	01 No	
2	IR CW fiber coupled LASER system with Laptop Wavelength 808nm, Diode pumped solid state Laser system Power 1000mW, (B&W Tek or equivalent) with supporting accessories, line filter, Set of band pass filters in IR range, IR viewer, Safety Goggles, Supporting Software and Laptop to run the laser system	01 No.	
3	Lock in Amplifier including optical Frequency Chopper System DSP-Lock in Amplifier with rack mount, (Standford research system SRS or equivalent) Frequency Range 1 mHz to 102.4 kHz range, >100 dB dynamic reserve, 0.01 degree phase resolution, Time constants from 10 μ s to 30 ks, (up to 24 dB/oct roll off) Auto-gain, -phase, -reserve & -offset, Reference source, GPIB and RS-232 interfaces Accessories: Optical Frequency Chopper system with chopper wheels, Necessary cables of Lock in amplifier to connect with computer and optical chopper	01 No.	
4	Detector InSb Detector having round window 4mm, Liquid Nitrogen cooled (InfraRed associates Inc or equivalent) with supporting accessories; including power cables, cables to connect with lock in amplifier etc Nitrogen Dewar, cryogenic gloves	01 No.	
5	Spectrometer with Quartz halogen lamp box Monochromator/Spectrograph with triple grating turret 320mm focal length, Number of gratings on turret 3, wavelength range 150-1500nm with 1200 grooves/mm and also 150nm-40 μ m w/appropriate gratings Aperture F number F/4.1, dispersion 2.64nm/mm, resolution 0.06nm, 2mm slits, 30x15mm focal plane, RS232/IEEE interface, computer controlled entrance slit, 100/240v 50/60hz (HORIBA or equivalent) With accessories; Desktop computer to run the spectrometer, Quartz Halogen Lamp box of same height to reach the spectrometer slit, complete Optical bench (at least 2.5 Meter length and 1 Meter width) including optical bench kit, Calibration kit of spectrometer, Necessary cables to connect spectrometer with power source and computer	01 No.	
6	Digital Function Generator / Arbitrary With 20 MHz bandwidth, 14-bit resolution, and 250 MS/s sample rate, (Tektronix or equivalent)	01 No.	

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. Prices should be FOR delivery to 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.
3. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
4. Validity of rate should be for 90 days from the date of opening of tenders.
5. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.

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 LAB EQUIPMENTS FOR BIOCHEMISTRY & BIOTECHNOLOGY

TENDER-B FORM

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

Sr. #	Item	Qty	Rate per Item with all taxes
1	<p>Standard-Incubators with natural convection</p> <ul style="list-style-type: none"> • Temperature range: ambient temperature +5 °C to 70 °C • APT.line™ preheating chamber technology • Natural convection • Adjustable exhaust air flap • Controller with timer function • Inner door made of tempered safety glass • 1 chrome-plated rack, incl. shelf supports • Class 3.1 integrated independent temperature safety device (DIN 12880) with visual alarm <p>TECHNICAL DATA:-</p> <p>Performance Data Temperature</p> <p>Temperature range 5 °C above ambient temperature to [°C] 70</p> <p>Temperature variation at 37 °C [± K] 0.7</p> <p>Temperature fluctuation at 37 °C [± K] 0.1</p> <p>Recovery time after 30 seconds door open at 37 °C [min] 15</p> <p>Electrical data</p> <p>Rated Voltage [V] 230</p> <p>Power frequency [Hz] 50/60</p> <p>Nominal power [kW] 0.3</p> <p>Unit fuse [A] 6.3</p> <p>Phase (Nominal voltage) 1~</p> <p>Measures</p> <p>Interior volume [L] 62</p> <p>Net weight of the unit (empty) [kg] 35.5</p> <p>Permitted load [kg] 30</p> <p>Load per rack [kg] 15</p> <p>Wall clearance back [mm] 160</p> <p>Wall clearance sidewise [mm] 100</p> <p>Internal Dimensions</p> <p>Width [mm] 400</p> <p>Height [mm] 440</p> <p>Depth [mm] 350</p> <p>Doors</p> <p>Inner doors 1</p> <p>Unit doors 1</p> <p>Housing dimensions not incl. fittings and connections</p> <p>Width net [mm] 614</p> <p>Height net [mm] 625</p> <p>Depth net [mm] 577</p> <p>Environment-specific data</p> <p>Energy consumption at 37 °C [Wh/h] 25</p> <p>Fixtures</p> <p>Number of shelves (std./max.) 1/3</p>	01No	

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. Prices should be FOR delivery to the 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.
3. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
4. Validity of rate should be for 90 days from the date of opening of tenders.
5. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.

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.