



# 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 Physics Department	Rs.230898 /-	Rs.4618/-
B	Digital Weather Station for Agriculture	Rs.1000000/-	Rs.20000/-
C	Supply of Environmental Engineering Laboratory Equipment (Qty. & Specifications as available in Tender Documents)	Rs.1200000/-	Rs.24000/-
D	Supply of Workshop Practice Laboratory Equipment (Qty. & Specifications as available in Tender Documents)	Rs.1260000/-	Rs.25200/-
E	Water Potential Apparatus for Plant Breeding & Genetic Department	Rs.420000/-	Rs.8400/-
F	Laboratory Equipment's for Entomology Department	Rs.555000/-	Rs.11100/-
G	Lab Equipment's for Physics Department (C&F) / FOR	Rs.8123400/-	Rs.162468/-

- 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](http://www.iub.edu.pk) OR PPRA website [www.ppra.punjab.gov.pk](http://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 **11.12.2020 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-UI-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**

**IPB-996**



# The Islamia University of Bahawalpur

## PROCUREMENT OF LAB EQUIPMENT'S FOR PHYSICS 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	Name of Items	Qty	Rate per item with all taxes
1	Survey Meter Measurement and display in $\mu\text{Sv/h}$ or $\text{mrem/h}$ , Dose measurement indication and detect radioactive radiation (alpha, beta, gamma) Measurement range: 1 $\mu\text{Sv}$ to 10 Sv and X-rays $\text{CuK}\alpha$ radiations. Used in amounts of 5 $\mu\text{Ci}$ or more for extended operations.	01	
2	Radiation Protection Aprons Radiation-shielding apron, consists of a fluid-resistant outer covering encasing a thin sheet of lead (Pb) or lead-equivalent material.	02	
3	Radiation Monitoring Badges Large display makes, allow quick analysis of measurements, No special setting, reusable	02	

**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, Germany, Europe, 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.0301-7729040

**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 DIGITAL WEATHER STATION FOR AGRICULTURE 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												
<b>1</b>	<p><b><u>DIGITAL WEATHER STATION</u></b>  <b>Technical Specifications:</b>            Base unit, Internet based logger, battery 4.5AH, 1.4 Watt solar panel, GS', GPRS, UMTS based, logger, mounting brackets            Sensors Layout</p> <ul style="list-style-type: none"> <li>▪ 3 fixed analogue inputs: wind speed, leaf wetness and rain gauge</li> <li>▪ 5 digital inputs: automatic sensor recognition, supporting sensor chains</li> </ul> <p>Built-in Memory : 8MB flash memory            Internet Connectivity : GSM - GPRS, EDGE, UMTS            Alert/Early warnings : SMS on user configurable/selectable thresh holds            Dimensions without sensors : 41 cm L x 13 cm W x 7 cm H            Weight without sensors : 2.2 kg            Measuring interval : 5 minutes            Logging interval : 15 – 120 min (<i>user selectable</i>)            Internet contact : Every hour to once in 24 hours (<i>user selectable</i>)            Battery : 6V, 4.5AH,            Operating range : -35°C to 80°C            Solar panel Dimensions : 13.5 x 13.5 cm, 1.4 Watt solar panel            Origin of the equipment : European            Complete with</p> <p>1) Physical Sensors for:</p> <ul style="list-style-type: none"> <li>○ Wind speed</li> <li>○ Air Temperature</li> <li>○ Relative humidity</li> <li>○ Global Solar Irradiation</li> <li>○ Rain fall</li> <li>○ GPS</li> </ul> <p>2) Virtual sensors:</p> <ul style="list-style-type: none"> <li>○ Daily ETo</li> <li>○ Vapor Pressure Deficit</li> <li>○ Delta T</li> </ul> <p>Prices should be inclusive of the above mentioned based station, sensors and</p> <ul style="list-style-type: none"> <li>○ Cloud Data Storage</li> <li>○ Mobile App</li> <li>○ Web App</li> <li>○ Weather Forecast Service (for 1<sup>st</sup> year)</li> <li>○ Annual Work Planning Service</li> </ul> <ul style="list-style-type: none"> <li>▪ Optional Provision:               <ul style="list-style-type: none"> <li>○ Disease model for over 80 diseases of over 30 different crops</li> </ul> </li> </ul>	01 Nos.													
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Sensor</th> <th style="width: 70%;">Technical Details</th> </tr> </thead> <tbody> <tr> <td>Air Temperature Sensor</td> <td>Temperature sensor: SMT 160-30 Temperature sensor resolution: 0.1°C Temperature sensor accuracy: ±0.5° C</td> </tr> <tr> <td>Relative Humidity sensor</td> <td>Relative humidity sensor: HC 103 Relative humidity sensor resolution: 1% Relative humidity accuracy 25% - 90%: 3%</td> </tr> <tr> <td>Rain Gauge</td> <td>Rain gauge resolution: 0.2mm Rain gauge max rain reporting 12 mm/min Rain gage accuracy: ±5%</td> </tr> <tr> <td>Global Radiation (Solar irradiation)</td> <td>Global radiation sensor range: 0 ñ 2000 W/m2 Global radiation sensor resolution: 1 W/m2 Global radiation sensor response area: 320 nm 1,100 nm Global radiation sensor accuracy: ± 5%</td> </tr> <tr> <td>Wind Speed</td> <td>Wind speed Range: 0 - 40 m/s Wind speed Gust Survival: 60 m/s Wind speed Anemometer Threshold: 1.4 m/s</td> </tr> </tbody> </table>	Sensor	Technical Details	Air Temperature Sensor	Temperature sensor: SMT 160-30 Temperature sensor resolution: 0.1°C Temperature sensor accuracy: ±0.5° C	Relative Humidity sensor	Relative humidity sensor: HC 103 Relative humidity sensor resolution: 1% Relative humidity accuracy 25% - 90%: 3%	Rain Gauge	Rain gauge resolution: 0.2mm Rain gauge max rain reporting 12 mm/min Rain gage accuracy: ±5%	Global Radiation (Solar irradiation)	Global radiation sensor range: 0 ñ 2000 W/m2 Global radiation sensor resolution: 1 W/m2 Global radiation sensor response area: 320 nm 1,100 nm Global radiation sensor accuracy: ± 5%	Wind Speed	Wind speed Range: 0 - 40 m/s Wind speed Gust Survival: 60 m/s Wind speed Anemometer Threshold: 1.4 m/s		
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	<ul style="list-style-type: none"> <li>○ <b>Weather Forecast:</b> Site specific Weather forecast for 7 days (measured on hourly basis)</li> <li>○ <b>Early-warnings/alerts:</b> Automatic alerts, wwhenever the user set thresholds are over or under-passed (e.g. for Temperatures, Wind speed etc.),</li> <li>○ <b>Frost Monitoring:</b>Frost alerts can be sent to different mobile phone numbers</li> <li>○ <b>Disease model(optional):</b>Diseases can reduce plant quality and yield, and pesticides add significant input costs. Decision-making aids/tools may be provided by proven plant disease models for over 80 diseased of over 30 different crops</li> <li>○ The station can handle up to 400 sensors through the intelligent sensor bus system. The system is extremely reliable due to a non-volatile internal memory and can store more than 1 year of logged data (even without uploading the data on server)</li> </ul>														

<p><b>Note:</b></p> <ul style="list-style-type: none"> <li>○ Rates quoted should be inclusive of all installation charges and applicable taxes.</li> <li>○ Active SIM card of any telecom service (with 100MB/month data) will be provided by the client.</li> </ul> <p><b>Additional qualification for Supplier</b></p> <p>Supply and service company should provide</p> <ul style="list-style-type: none"> <li>● Letter of authorization from Principal</li> <li>● Should have supplied similar equipment and services in Pakistan for atleast 03 years.</li> <li>● Should have in-house technical team for training and after sale services.</li> <li>● Should provide quality certification along with the supplies</li> </ul>		
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**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 UK, USA, Japan, Singapore, Korean and Europe or equilent.**
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.
13. Key Person Contact No.0333-6462236 / 0345-3337036

**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 LABORATORY EQUIPMENT FOR ENGINEERING TENDER-C FORM

4. Name of Firm: \_\_\_\_\_
5. Mailing Address: \_\_\_\_\_
6. 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	Name of Items	Qty	Rate per item with all taxes
Equipment			
1	COD Photometer COD photometer with digester and reagent, vials, cooling	01	
2	Multiparameter photometer The instrument can measure alkalinity, Hardness, Ca, Mg, Iron, Nitrate, Nitrite, and Chlorine. Supplied with sample cuvettes and caps, cloth for wiping cuvettes, adaptor and instruction manual. Reagents for alkalinity, Hardness, Ca, Mg, Iron, Nitrate, Nitrite and Chlorine., Set of spare cuvettes (2Nos.)	01	
3	Lab. Magnetic Stirrers with hot plate Surface temperature :0-250 °C; Stirring speed:0-1400 rpm; Stirring capacity: 0.5-2L; Heating power variable control with LED indicator; magnetic stirrer variable control with LED indicator Workable on 220V 1Ph 50~60 Hz	01	
4	Desiccator Simple desiccator (Glass). Plate size>300mm with facility for vacuum desiccation	01	
5	Digital Noise Meters Digital Noise Meters	01	
6	Lab. Refrigerator Cfc free, Single Door, Capacity:(min. 150 liters), temperature range +0-10°C with Chemical storage cabinet	01	
07	Washing Bottles Washing bottles (500ml)	12	

**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**

7. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
  8. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from England, USA, Germany, Europe, etc.**
  9. 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.
  10. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
  11. Validity of rate should be for 120 days from the date of opening of tenders.
  12. 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. 0321-6835662

**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 LABORATORY EQUIPMENT FOR ENGINEERING TENDER-D FORM

7. Name of Firm: \_\_\_\_\_
8. Mailing Address: \_\_\_\_\_
9. 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	Name of Items	Qty	Rate per item with all taxes
Equipment			
1	Electric Hand Planer No Load, RPM 16,500, Planning Depth: 0" to 1/16" (1.5 mm), Planning Width 0" to 3-1/4", Accessories: Wood Razor Blades (2), Edge Guide Fence, Chip Bag, Blade Wrench	01	
2	Hand drill machine Hand drill (16mm) machine.	01	
3	Band Saw Band Saw: Max. Cutting Depth: 80mm; Max. Cutting Width: 230mm.	01	
4	Surface Planner Max Planning Width: 80 mm	01	
5	Thickness Planner Max Thicknessing Capacity: 40 mm, ,	01	
6	Wood turning lathe Wood turning lathe: Cutting Diameter: 350mm Cutting Lathe: 1000mm with accessories	01	
Workshop Tools			
01	Cross cut saw Cross cut saw 8tpi or 12 tpi crosscut teeth with 0.13mm set, 20-26 inches.	10	
02	Rip Saw Rip saw size: 20-28 inches, 3-6tpi	10	
03	Tenon saw Tenon saw size:8-14", 10-15 tpi	10	
04	Smoothing Plane Smoothing plane, length: 100-200mm, blade width:50mm	10	
05	Firmer chisel Blade width:22mm, Length: 100-125mm	10	
06	Mortise chisel Mortise chisel: Blade width: 6-25mm, length:200-450mm	10	
07	Claw hammer Claw hammer (450 gm)	10	
08	Marking gauge Marking gauge (10")	05	
09	Combination set Combination set (12")	02	
10	Steel ruler Steel ruler (12")	10	
11	Divider Divider (10")	10	
12	Carpenter bench vise Carpenter bench vise size:8"	20	
13	Outside caliper Outside caliper (10")	10	
14	Insider caliper Insider caliper (10")	10	
15	Vernier height gauge Vernier height gauge	01	

16	Vee block Vee block	02	
17	Center punch Center Punch	10	
18	Scriber Scriber, hardened steel, 6-10 inches	15	
19	Dot punch Center Punches	10	
20	Flat chisel Flat Chisel	06	
21	Toolbox Toobox	10	
22	Micrometer Micrometer 0-50mm	05	
23	Surface plate Cast iron Surface plate 12x19 inches	01	
24	Anvil Mild Steel Anvil (10kg)	01	
25	Bench vise Cost iron Bench vise size 3-4 inches	20	
26	Gauge Sheet metal and wire gauge	01	
27	Flat file Flat file (10") used in fitting shop	10	
28	Half Round file Round file 200mm	10	
29	Round file Half round file 20mm	10	
30	U-Clamp U-Clamp	02	
31	C-Clamp C-Clamp	02	
32	Angle Plate Angle Plate	01	
33	File brush set File brush	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

13. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
14. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from England, USA, Germany, Europe, etc.**
15. 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.
16. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
17. Validity of rate should be for 120 days from the date of opening of tenders.
18. 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. 0321-6835662

**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 WATER POTENTIAL APPARATUS FOR PBG TENDER-E FORM

10. Name of Firm: \_\_\_\_\_

11. Mailing Address: \_\_\_\_\_

12. 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	Name of Items	Qty	Rate per item with all taxes
1	Water Potential Apparatus With Accessories Digital Plant Pressure Chamber for crop plants research to measure water stress with specifications: maximum Operating Pressure 40 bar Chamber / Construction Hi Pressure alloy chamber with lid 2.5 inch inside diameter x 5.0 inch inside depth Read-out Bar-PSI Scale Gauge Gauge 4.5" Diameter Gauge / 0.5% accuracy 40 bar (4 Mpa) range Instrument complete with ¼ Inch Compression Gland Sealing System, 5 Extra ¼ Compression Gland Gaskets, 6 foot Filling Hose, 1 – Soild Lab Stopper for instrument testing, O-Ring lubricant Grease, wrench and Allen Key, N2 Tank with pressure regulator, Lighted Hand Lens, different sizes water potential bags	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

19. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
  20. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from England, USA, Germany, Europe, etc.**
  21. 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.
  22. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
  23. Validity of rate should be for 120 days from the date of opening of tenders.
  24. 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.0331-4953212

**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 EQUIPMENT'S FOR ENTOMOLOGY TENDER-F FORM

13. Name of Firm: \_\_\_\_\_

14. Mailing Address: \_\_\_\_\_

15. 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	Name of Items	Qty	Rate per item with all taxes
1	Binocular Compound Microscope Infinity Optical System, LED Light Source, AC adapter, Quadruple nosepiece with inward-facing, Field Stop for Koehler illumination, Binocular tube FN 20, Tube Inclination 30 Degree, 360 Rotatable Eyepiece height adjustment, Interpupillary Distance Adjusting Range 48-75mm, Eye Point adjustment: 370.0 – 432.9 mm, Wide field eyepiece 10X, FN20 focusable, Stage height movement (coarse movement stroke: 15mm), coarse adjustment limit stopper, Torque adjustment for coarse adjustment knob, Fine focus knob (minimum adjustment gradations: 2.5 μm), Coarse and fine focusing knobs on both sides, Condenser NS 1.25, Plan achromat objective 4X/0.1, Plan achromat objective 10X/0.25, Plan achromat objective 40X/0.65, (spring), Plan achromat objective 100X/1.25 (spring), Immersion oil 8cc, Dust cover, Power cord, Built-in security slot allows attachment of an anti-theft cable.	01	
2	Grain Moisture Meter Ability to analyze up to 16 different products (cereals, oilseeds, legumes, etc.), Works through the dielectric properties of the grain, Direct moisture reading in 10 second, Easy calibration with the desired standard humidity values, Insensitive to vibrations, as there are no moving metal parts, Protected with plastic carrying case, Sample size: 90 ml , Moisture measuring range 8 - 35% with grains, 6 – 25% with oil plants, Measurement accuracy ± 0.5%, Precision gauge with digital display for whole grains, User adjustable moisture offset calibration, separate for each grain, The measured values can be read directly for the 16 most frequent plants and seed, Temperature differences in sample material and humidity are automatically compensated, The measured values of a series of tests can be stored to calculate an average value form them, Manually adjust any scale to a known values of a series of tests can be stored to calculate an average value form them, Manually adjust any scale to a known value, Automatic power-off , Equipment storage temperature between – 15 °C to + 50 °C, Supplied with hard case with handle, includes sample scoop for grain collection, Included instructions, 9V 1x9V 6LR61 battery supply, Low battery warning, Dimensions: 180 x 75 x 67 mm, Weight 1.1 kg.	01	
3	Horizontal Drying Oven Cold rolling steel electrostatic spraying exterior; stainless steel or cold rolling steel corrosion-resistant inner chamber, Optional pointer meter or intelligent temperature controller with pid program and digital display, with function of timing and over-temperature protection, Door with double-layer tempered glass for clearly observation, Door with silicon rubber seal ensured good sealability, Low-noise fan unique design of air channel keep good uniformity of temperature studior.	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

25. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
  26. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from England, USA, Germany, Europe, etc.**
  27. 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.
  28. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
  29. Validity of rate should be for 120 days from the date of opening of tenders.
  30. 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.062-9255471

**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 EQUIPMENT'S FOR PHYSICS TENDER-G FORM

16. Name of Firm: \_\_\_\_\_

17. Mailing Address: \_\_\_\_\_

18. 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	Name of Items	Qty	Rate per item with all taxes
1	Triple Grating Spectrometer/Monochromator Monochromator/Spectrometer with triple grating turret 300-320mm focal length, Number of gratings on turret 3, includes three gratings with on-axis grating rotation & micro-stepping, wavelength range covered by gratings should be from UV to 4500( ± 500) nm, with one entrance and two exit slits including order sorting filters for all given range, all necessary cables and connectors.	01	
2	IR CW fiber coupled LASER system Wavelength 808nm, Diode pumped solid state Laser system Power 450 mW, including fiber cable, line filter, IR viewer, Safety Goggles, Software, Laptop to select the laser power and wavelength	01	
3	White light Source Quartz halogen Lamp source with automated source selection from UV-Infrared range, with regulated DC power supply, interface to be integrated with monochromator/spectrometer (main item 1), weight bearing feet to support the light source to reach the slit height of monochromator (Main item 1).	01	
4	InSb Detector InSb Detector having round window 3-4mm, Liquid Nitrogen cooled, detection range 1-5µm, traceable spectral responsivity calibration kit, Opto-mechanical interface to integrate with monochromator/spectrometer, including housing for the detector, including required power supply integrated with detector model, compatible with the given software for data acquisition and controlling the monochromator, Including particularly Spectral data acquisition controller module, All necessary power cables, cables to connect with lock in amplifier, long coaxial cable with BNC connector at both ends.	01	
5	Lock in Amplifier DSP-Lock in Amplifier with rack mount, digital, compatible with given software for data acquisition from detector and controlling the monochromator, dual channel GPIB and RS-232 interfaces, DSP lock-in amplifier module, Preamplifier module. Fully automated with two input channels, BNC T shape adapter	01	
6	Optical Frequency Chopper System Free optical chopper system including its base to be mounted on optical table, with chopper controller, chopping blade for chopping frequencies in range of 25Hz to 1KHz, necessary power cables, coaxial cables to communicate with the lock in amplifier	01	
7	Optical Table Optical Table, 1 m x 2 m x 210 mm, with 700 mm Tall Active Isolator Legs , with M6 type holes	01	
8	Software Windows software Offering complete instrument control and data acquisition from monochromator, components (lock in Amplifier, detector) Provides extensive data manipulation, data processing, import and export. Requires Windows XP, Vista, Window 7 or Windows 10.	01	
9	Miscellaneous 4 main leads and 2 USB cables,	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

31. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
  32. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from England, USA, Germany, Europe, etc.**
  33. Prices should be **FOR / C&F**. 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.
  34. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
  35. Validity of rate should be for 120 days from the date of opening of tenders.
  36. 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.0300-4522597

**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.