



# 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 for Cut Flower and Vegetable Cell	Rs.2405000/-	Rs.48100/-
B	Digital Weather Station for Agriculture	Rs.1000000/-	Rs.20000/-
C	Fruit Plant for Horticulture	Rs.3642000/-	Rs.72840/-
D	Installation of Sprinklers Irrigation System	Rs.4302067/-	Rs.86041/-
E	Supply of Environmental Engineering Laboratory Equipment(Qty. & Specification as available in Tender Documents)	Rs.1200000/-	Rs.24000/-
F	Drip Irrigation System for vegetables and flowers	Rs.3724364/-	Rs.74488/-

- 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 Chairman (Science Material Purchase Committee), Department of Chemistry, Baghdad-ul-Jadeed Campus The Islamia University of Bahawalpur upto **22.10.2020** by **11:00 A.M.** Tenders will be opened on the same day at **11:30 AM** in the presence of bidders or their representatives.
- 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-877

Daily Dunya Multan and The News Lahore



# The Islamia University of Bahawalpur

## PROCUREMENT OF CUT FLOWER AND VEGETABLE CELL 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	<b>Spectrophotometer</b> Focal Length: 4nm/2nm Wavelength Range: 325-1020nm, 325-1020nm Name: UV Spectrophotometer Spectral Bandwidth: 4.0nm Optical System: Single Beam, Blazed Holographic Grating (1200 lines/mm) Wavelength Accuracy: ±2.0nm Wavelength Repeatability: ≤0.5nm Wavelength Setting: Manual, Resolution 0.1nm Scan Speed: High, Medium, Low. Max.1000nm/minute	1 Nos	
2	<b>EC meter</b> Conductivity Range: 0~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm TDS Range: 0~100ppt Salinity Range: 0~10ppt (Max. 80ppt) Resistivity Range: 0~100MΩ Calibration Points: 1~5 points Temperature Compensation: 0~100°C, 32~212°F, Automatic	1 Nos	
3	<b>Plough (Tine Tillers)</b> Frame Type: Pipe Set and Z Type Number of Tines: 9 Linkage Category: I & II Working Depth: 229 mm Tine Spacing: 229 mm HP Compatibility: 50 to 55 HP	1 Nos	
4	<b>Rotavator</b> Rotary Tiller 6 Blades on one flang. Flange Diameter 8-10" 8-9" flang distance. Heat treated blades Durable against torque and stress. Smooth, efficient power transmission and superior durability. Grease fittings on the driveline and rotary shaft.	1 Nos	
5	<b>Trolly 12FT/Farm Trailer</b> 4 wheeled Panels two on each side and one on the rear for loading and unloading of material. Trailer size is 12*2*6 (12 feet length, 2 feet height, 6 feet width) and tyre size is 16.	1 Nos	
6	<b>Kara/ Rear Tractor Blade</b> Mounting construction: Category 1, three-point linkage entirely steel frame, Reversible high carbon steel cutting edge. Blade Angle: Adjustable 0° to 70° in two increments to either side and similarly with blade facing rearward Blade pitch: Adjustable from 0° to 40° Blade Width: 7 ft. Overall length 5 ft. (with grader wheel) Accessories: Grader wheel kit Tractor Compatibility: 60 hp	1 Nos	
7	<b>Planter</b> Application: Seeds Planting Machine Use: Seeding Dimension(L*W*H): Standard Size Name: 2 row 4-row planter Function: All Crop Planting Row spacing: 8-18cm Adjustable Working efficiency: 0.5-1.0 acre/h	1 Nos	
8	<b>Planker</b> Plank (Suhaga) 12Ft with 10` * 3.5` block	1 Nos	

<b>9</b>	<b>Ridger</b> Multi-purpose (multi crops) inter row cultivator ridger without fertilizer attachment. Power Source: 50-55 HP Tractors. No. of Tines: 9 Nos. Provision For AdjustmentA. Tines Depth and Space Overall Length: 90 inch Overall Height: 43 inch Overall Width: 36 inch	1 Nos	
<b>10</b>	<b>Solar Power System</b> A solar system to run 7.5 hp motor A back up of 5kw (with dry battery system) Control Box for WAPDA and solar energy system (Hybrid Energy Box)	1 Nos	

**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:
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. After Sales Service 2 Years Agreement.
8. Key Person Contact No.0333-6329065/ 0300-0984865

**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

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. #	Item	Qty	Rate per Item with all taxes												
1	<p><b><u>DIGITAL WEATHER STATION</u></b></p> <p><b>Technical Specifications:</b> Base unit, Internet based logger, battery 4.5AH, 1.4 Watt solar panel, GS', GPRS, UMTS based, logger, mounting brackets</p> <p>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</p> <p>Internet Connectivity : GSM - GPRS, EDGE, UMTS</p> <p>Alert/Early warnings : SMS on user configurable/selectable thresh holds</p> <p>Dimensions without sensors : 41 cm L x 13 cm W x 7 cm H</p> <p>Weight without sensors : 2.2 kg</p> <p>Measuring interval : 5 minutes</p> <p>Logging interval : 15 – 120 min (<i>user selectable</i>)</p> <p>Internet contact : Every hour to once in 24 hours (<i>user selectable</i>)</p> <p>Battery : 6V, 4.5AH,</p> <p>Operating range : -35°C to 80°C</p> <p>Solar panel Dimensions : 13.5 x 13.5 cm, 1.4 Watt solar panel</p> <p>Origin of the equipment : European</p> <p>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> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <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> <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>	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	01 Nos.	
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<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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**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 UK, USA, Japan, Singapore, Korean and Europe or equilent.**
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.
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 FRUIT PLANT FOR HORTICULTUER TENDER-C 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. #	Item	Qty	Rate per Item with all taxes
1	Date palm suckers Each Suckier should be true to type with minimum weight of 30kg and at 1st fruiting stage (more than 4 year age) with height not more than 4feet. Earthen ball (Root system) of suckers should be covered in polythene sheets. Minimum period of 2years after nursery transplanting. Preferable commercial and exotic varieties with number of suckers should be: Halavi, Khadravi and Aseel (200), Karbalan, Muzawati, Zahidi, mabroom, amber and Barhee varieties (100), Dhaki (100) etc. Suckers should be healthy, disease free, not damaged (physical, mechanical, transport or insect pest), It should not show any type of disorder or wilting on arrival at IUB. Should be purchased from well reputed Nursery, preferably from registered Nursery working on scientific lines.	660 Nos.	
2	Citrus True to type well budded plants of less-seeded Kinnow (3000), Feuter,s Early (800), Lemon (Dasi) (600), Sweet lime (100) and Grapefruits (500), budded on rough lemon at minimum height, not less than 9 inches. Plants should have 3-4 branches and in separate pots. Stock should not less than 2-3-inch dia. Bench rooted plants with week stem and not showing scion rootstock union will not be accepted. Moreover, plants should be healthy, disease free, not damaged (physical, mechanical, transport or insect pest), It should not show any type of disorder or wilting at arrival in IUB. Should be purchased from well reputed Nursery, preferably from registered Nursery running on scientific lines.	5,000 Nos.	
3	Mango grafted plants True to type well grafted plants of Chounsa (1500), Dushari (400), Anwar Ratool (400), Sindhari (200), alphonso (200) etc. on resistant dwarfing rootstock at minimum height not less than 9 inches. Stock should not less than 3 inch dia with 3-4 branches. Bench rooted plants with week stem and not showing scion rootstock union will not be accepted. Moreover, plants should be healthy, disease free, not damaged by mechanical, transport or insect pest. Each plant should be in separate pot It should not show any type of disorder or wilting at arrival in IUB. Plants should be purchased from well reputed Nursery, preferably from registered Nursery running on scientific lines.	2700 Nos.	
4	Guava plants True to type well budded 3000 plants of Less seeded Sorai long and small), Pak Dehli (1000), gola large and surkha (500) etc. budded on resistant rootstock at minimum height not less than 9 inches or plants developed through layering. Stock should not less than 3inch diameter. Bench rooted plants with week stem and not showing scion rootstock union will not be accepted. Each plant should be in separate pot. Moreover, plants should be healthy, disease free, not damaged (physical, mechanical, transport or insect pest), It should not show any type of disorder or wilting at arrival in IUB. Should be purchased from well reputed Nursery, preferably from registered Nursery running on scientific lines.	4500 Nos.	
5	Straw berry runners Healthy runners of well reputed commercial cultivars of the region. Runners should not be diseased, damaged or insect pest attacked and or disordered. Runner should contain good bulk of fibrous roots bunch. Runners should be in polythene bags (preferably in pots) and should contain 2-3 new leaves, purchased from well reputed Nursery, preferably from registered Nursery running on scientific lines having cold storage facility following scientific lines to store the runners.	9000 Nos.	

**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 fresh and strictly conforming to the given specifications.
14. 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.
15. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
16. Validity of rate should be for 120-days from the date of opening of tenders.
17. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
18. Key Person Contact No.0300-6381974

**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 INSTALLTION OF MICROIRRIGATION AND LAWN CUM AVENUE PLANTATION TENDER-D 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. #	Item	Qty	Rate per Item with all taxes
1	Sprinklers IrrigationSystem for Grass and Ornamental Plants (10 Acres) Details in Excel Sheet		

**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**

18. All material supplied must be fresh and strictly conforming to the given specifications.
19. 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.
20. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
21. Validity of rate should be for 120-days from the date of opening of tenders.
22. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
23. Key Person Contact No.0333-6329065 / 0300-0984865

**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 & GLASSWARE FOR CIVIL ENGINEERING DEPARTMENT TENDER-E 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. No.	Items	Qty.	Specifications
<b>Equipment</b>			
1.	COD meter	01	COD meter with COD reactor and vials of low and midrange
2.	COD Photometer	01	COD photometer with digester and reagent, vials, cooling rack
3.	Multiparameter Photometer	01	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.)
4.	Colorimeter	01	Range up to 500 PCU, supplied with sample cuvettes with caps, battery, instruction manual.
5.	Lab. Magnetic stirrers with hot plate	01	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
6.	Particulate Air Quality Monitoring kit	01	Real-time direct reading of particulate mass concentrations along with temperature and relative humidity Selection of particulate settings PM2.5, PM4, PM10, Battery life ≥ 4 hrs. Measurement Parameters: MIN. MAX, LEVEL; Included Sensors: Relative Humidity, Temperature, Particulates Available Sensors: CO, CO2, O2
7.	Desiccator	01	Simple desiccator (Glass). Plate size > 300mm with facility for vacuum desiccation
8.	Digital Noise Meters	01	Digital Noise Meters
9.	Lab. Refrigerator	01	Cfc free, Single Door, Capacity: (min. 150 liters), temperature range +0-10°C with Chemical storage cabinet
10.	Washing Bottles	12	Washing bottles (500ml)
<b>Glass wares:</b>			
1.	Kjeldahl Flask(800mL)	12	High quality flask which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
2.	Kjeldahl Flask(500mL)	12	High quality flask which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
3.	Kjeldahl Flask(300mL)	12	High quality flask which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
4.	Titration Funnel	24	Material: Glass, capacity 50-100mL
5.	filter paper (0.45µm)	12	Resistant to weak acids & base ,100 pcs
6.	filter paper (0.2µm)	12	Resistant to weak acids & base ,100 pcs
7.	Laboratory dishes (porcelain)	12	Laboratory dishes (porcelain)
8.	Pipette Sucker	2 Each	Pipette Sucker (2ml,5ml,10ml)
9.	Indicator bottles	4	Indicator bottles
10.	Graduated Burette with stand	24	Accuracy :0.01 ml Max volume:50ml
11.	Pipette (2-20µL)	24	Single channel, borosilicate glass/Plastic
12.	Pipette (20-200µL)	24	Single channel, borosilicate glass/Plastic
13.	Pipette (200-1000µL)	24	Single channel, borosilicate glass/Plastic
14.	Automatic burettes	12	Automatic burettes 50ml with plastic bottles
15.	Certified Pipettes	12 Each	Certified Pipettes (1ml,2ml,5ml,10ml)
16.	Beaker (1litre)	24	High quality glass beakers which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
17.	Beaker (500 mL)	24	High quality glass beakers which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
18.	Beaker (250mL)	24	High quality glass beakers which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
19.	Beaker (100 mL)	24	High quality glass beakers which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate



20.	Beaker (50 mL)	24	High quality glass beakers which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
21.	Graduated Cylinder (1L)	24	High quality glass cylinders which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
22.	Graduated Cylinder (250 mL)	24	High quality glass cylinders which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
23.	Erlenmeyer flask (50ml)	24	High quality flask which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
24.	Erlenmeyer flask (100ml)	24	High quality flask which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
25.	Erlenmeyer flask (250ml)	24	High quality flask which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
26.	Erlenmeyer flask (500ml)	24	High quality flask which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
27.	Volumetric Flask (250 ml)	24	High quality flask which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
28.	Volumetric Flask (500 ml)	24	High quality flask which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
29.	Volumetric Flask (1 L)	24	High quality flask which can endure heating over the open flame of an alcohol lamp, lab burner, or hot plate
30.	Glass Rods	12	Glass Rods

**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**

23. All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
24. Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from UK, USA, Japan, Singapore, Korean and Europe or equilent.**
25. 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.
26. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
27. Validity of rate should be for 120-days from the date of opening of tenders.
28. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
29. 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 CUT FLOWER AND VEGETABLE CELL TENDER-F 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. #	Item	Qty	Rate per Item with all taxes
1	Drip Irrigation System for vegetables and flowers (10 Acres) Details in Excel Sheet		

**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**

29. All material supplied must be fresh and strictly conforming to the given specifications.
30. 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.
31. Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
32. Validity of rate should be for 120-days from the date of opening of tenders.
33. The vendors will be responsible for any damages during Transit/Delivery. They will also be responsible for any accident and their consequent damages.
34. Key Person Contact No.0333-6329065 / 0300-0984865

**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.