

## TENDER NOTICE

INTERNATIONAL ISLAMIC UNIVERSITY ISLAMABAD (IIUI) invites sealed bids from the *original manufacturers / authorized distributors / suppliers* (With Valid Authorization/Distribution Certificate) registered with Income Tax and Sales Tax Departments and who are on Active Taxpayers List of the Federal Board of Revenue for supply of **"Lab Equipments for Department of Bio-Informatics & Bio-Technology"** FBAS Female, IIU.

2. Bidding documents, containing detailed terms and conditions, etc. are available at Room No. 213, 2<sup>nd</sup> Floor, Administration Block, Sector H-10, New Campus International Islamic University, Islamabad. Bidding documents can also be downloaded from [www.iiu.edu.pk](http://www.iiu.edu.pk) and [www.ppra.org.pk](http://www.ppra.org.pk). Price of the bidding documents is **Rs. 1,000/-** (*Non-refundable*) in shape of Call Deposit/Bank Draft in favour of IIUI

3. The bids, prepared in accordance with the instructions in the bidding documents, must reach on or before **09-11-2017 up-till 10:30 a.m** at Room No. 213, 2<sup>nd</sup> Floor, Administration Block, Sector H-10, New Campus IIUI. Bids will be opened on the same day i.e **09-11-2017 at 11:00 a.m** in the presence of the bidders/their representatives who may like to attend the opening ceremony.

4. International Islamic University Islamabad reserves the right to accept or reject any/all bid(s) in terms of Section-33 of Public Procurement Rules 2004.

**Javaid Rabbani,**

Assistant Director-II (P&S)

Ph:9019255

# INTERNATIONAL ISLAMIC UNIVERSITY ISLAMABAD

Purchase & Store Section, Admin Block, New Campus, Sector H-10, Islamabad.

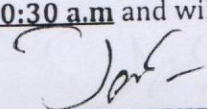
Tel: 051-9019255 Fax: 051-9258073

Tender No. 17/11/2017/P&S-

## "TERMS AND CONDITIONS"

**[All pages (BoQs & Terms & Conditions) are mandatory to be signed / stamped, failing which the bid may be rejected.]**

1. Any addition, deletion or modification of any clause of the procurement terms & conditions of International Islamic University Islamabad (IIUI) by any vendor will not be acceptable and may lead to rejection of the bid.
2. Suppliers registered with Income Tax, Sales Tax Department and who are on Active Taxpayers List (ATL) of FBR, are eligible to participate in tender.
3. Documents along with Pay Order / Demand Draft amounting to **Rs. 1000/-** as a tender documents fee (Non-Refundable) shall be submitted in favor of International Islamic University, Islamabad, to the address given below.
4. Part / Advance payments is not allowed.
5. The exact completion/delivery time from the date of the purchase / work order will be maximum **120 days**. The handing over / completion time is of critical importance.
6. The bid proposal should be inclusive of all **FREIGHT and PACKAGING CHARGES** and will be delivered at Islamabad Airport on C&F Basis as per BoQs Format.
7. **The Payment Terms will be:** 100% against delivery documents, through an irrevocable and confirmed Letter of Credit (L/C), opened by International Islamic University, Islamabad/Pakistan.
8. Shipment will be cleared by International Islamic University, Islamabad from Custom Authorities.
9. After opening of bids, International Islamic University Islamabad will examine the bids for completeness as per tender document.
10. Purchase order (s) will be awarded to the lowest or technically recommended bidder (s) on the basis of item wise / subtotal wise / grand total wise according to the nature of BoQs.
11. International Islamic University Islamabad, will follow the PPRA rule of **Single Stage One Envelope procedure**.
12. Bidders cannot challenge the finding of the evaluation or ask for reason of disqualification.
13. The bid should be submitted in a sealed envelope up to **09-11-2017** on or before **10:30 a.m** and will be opened on the same date **at 11:00 a.m** in the presence of available bidders.



14. The envelope should be marked as under;

Assistant Director -II (P&S)  
Room No. 213, 2<sup>nd</sup> Floor, Admin Block,  
Sector H-10, New Campus  
International Islamic University, Islamabad.  
Tel: 051-9019225

15. The envelope shall also bear the word "CONFIDENTIAL" and following identification quotation of  
**"Supply of Lab Equipment for Department of Bio-Informatics & Bio-Technology, FBAS (Female)."**

16. The bid form (BoQs) must be duly filled in, stamped and signed by the authorized representative of the bidder.

17. **If the vendor fails to deliver the goods / services to International Islamic University, Islamabad in time then the penalty will be charged as under:-**

- a. 02% per month of the total Purchase Order value.
- b. If the vendor fails to deliver the goods / services during the extended period then the purchase / work order may be cancelled and Earnest money may be forfeited.

18. If the delivered goods / services are not according to the required quality standards / specifications, the same shall be liable to be rejected after inspection. The bidder/vendor would be required to REPLACE as per requirements mentioned in our BoQs at no cost to the IIUI, otherwise the purchase / work order will be cancelled after due date with confiscation of earnest money AND bidder will bear all cost and expenses thereof.

19. All prices should be quoted on **C&F Islamabad Basis**

20. All prices should be valid for at least **90 days**. Withdrawal or any modification of the original offer within the validity period shall entitle IIUI to forfeit the earnest money in favor of the IIUI and / or put a ban on such vendor participation in IIUI tenders / works.

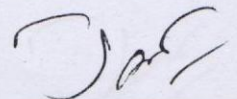
21. It is the sole responsibility of the agent / supplier / manufacturer to comply with the applicable laws, be national or international.

22. In case of any dispute, decision of the President, IIUI will be final and binding upon the parties.

23. The IIUI reserves the right to modify the quantities of goods / services at any time before the award of purchase/ work order.

24. **The bidder is required to furnish in form of "Pay Order/Demand Draft" equivalent to 2% of the total Bid price (in PKR) as Earnest Money in favor of "International Islamic University Islamabad". Any bid not accompanied by Earnest Money shall be rejected without any right of appeal.**

25. **10% of the total value of the Purchase Order (in PKR) will be furnished by the successful bidder(s) after supply of Equipment(s) in shape of "Pay Order/Demand Draft" as Security deposit in favor of International Islamic University, Islamabad for the warranty period, and will be released after completion of warranty period, on written request.**



26. International Islamic University Islamabad reserves the rights to accept or reject the bid if;

- i. Received without earnest money
- ii. Received later than the date and time fixed for tender submission
- iii. The tender is unsigned/ unstamped
- iv. The offer is ambiguous
- v. The offer is conditional
- vi. Offer is made by the unauthorized agent/ supplier of the original equipment manufacturer.
- vii. The offer is from a firm, which is black listed by any Govt. Office.
- viii. The offer is received by telephone/telex/fax/telegram.
- ix. Any unsigned / ambiguous erasing, cutting / overwriting etc. is made.

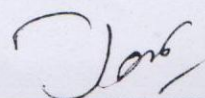
27. The bidder should furnish a **CERTIFICATE** as worded below in token of acceptance of all the terms and conditions of the tender. Otherwise the tender will not be considered under any circumstances.

28. I / We

- **Company / Vendor Name:** \_\_\_\_\_
- **Postal Address:** \_\_\_\_\_  
\_\_\_\_\_
- **Tel. / Mobile:** \_\_\_\_\_
- **NTN# :** \_\_\_\_\_ **GST#:** \_\_\_\_\_
- The undersigned certify that the terms and conditions as contained in the documents vise, "Terms and Conditions" for Tender Notice of International Islamic University, Islamabad are accepted unconditionally.

**Note:**

1. Please quote the rates on our BoQs and clearly mention the quoted model / brands, otherwise your bid / items may be rejected.
2. In Addition to filling of the attached BoQs, supporting literature of the quoted model must be attached for verification & technical evaluation of the required specification by the technical committee. In case of any clash is found between the quoted model and the literature model. So the item/bid may be rejected.
3. Please also attach the Certificate supporting being Active Taxpayer as per requirement of FBR.



**BoQs for Supply of Lab Equipment for Department of BIBT/FBAS, IIUI**

S. No	Equipment Name	BoQs/Specifications	Qty.	Rates to be quoted in C&F Islamabad with all Freight & Packaging Charges		
				Quoted Brand /Make	Unit Price (C&F)	Total Price (C&F)
01	<b>Flow Cytometer with Avalanche Photo Diode Detectors</b>	<p>High Speed flow cytometer analyzer having 1 laser &amp; 5 colors with superior sensitivity &amp; resolution. The system should have up-gradation option up to 4 lasers &amp; 13 colors and autoloader option for future upgrade.</p> <p><b>OPTICS</b></p> <p><b>Excitation Optics:</b> The optical system should be alignment free.</p> <p><b>Laser Delay:</b> The laser delays should be automatically adjusted by the daily QC system.</p> <p><b>Lasers:</b> Solid State high power Lasers:</p> <ul style="list-style-type: none"> <li>Blue Laser Wavelength: 488 nm; Power: 50 mW; Beam spot size: 5 µm x 80 µm</li> </ul> <p><b>Optical Parameters</b></p> <p>FSC, SSC &amp; 8-10 Fluorescent channels from the following:</p> <p><b>Collection Optics:</b></p> <p><b>Flow Cell:</b> Quartz flow cell with &gt;1.3 numerical aperture and with fixed integrated optics.</p> <p><b>Flow Cell dimensions:</b> 420 µm x 180 µm internal diameter</p> <p><b>Forward Scatter Detection:</b> Axial Light Loss (ALL) sensor system using silicon photodiodes with built in 488/8 µm band pass filter.</p> <p><b>Fluorescence and Side Scatter Detection:</b> Fluorescence and side scatter light delivered by fiber optics to wavelength division multiplexing detection module.</p> <p><b>Wavelength Division Multiplexing:</b> The detection module should be based on Wavelength Division Multiplexing to collect the emitted light from each of the laser paths through high-efficiency fiber optic coupling. It should offer enhanced detection capability by using reflective, band-pass only configuration to collect light and provide enhanced &amp; consistent sensitivity for all channels.</p> <p><b>APDs:</b> Instead of PMTs the system should have Avalanche Photo Diode detectors for minimizing light</p>	01			

loss and maximizing sensitivity enabling the system to detect dim populations with highest resolution.

#### **FLUIDICS**

Ultra-low Pressure Peristaltic Sheath and Sample Delivery System for minimum use of sheath fluid

Low maintenance system

**Sheath tubing replacement:** Sheath Pump tubing and Sample Pump tubing can be replaced by the user

**Fixed Flow Rates:** 10, 30 and 60  $\mu\text{L}/\text{min}$

**Custom Flow Rate:** from 10 to 240  $\mu\text{L}/\text{min}$  in 1  $\mu\text{L}$  increments.

**Sample Input Formats:** 5 mL (12 x 75 mm), 2 mL, and 1.5 mL microcentrifuge tubes

**Mixing of sample:** Programmable automixing by agitation prior to aspiration

**Sheath & Waste Capacity:** Standard 4 L tanks

**Automated Maintenance Cycles:** Startup (initialize), sample mix, backflush, prime, shutdown (daily clean), deep clean

#### **ELECTRONICS**

**Signal Processing:** Fully digital system with 7 decade data display

**Digital Pulse Processing:** Signal for Pulse area, height for every channel, width for one selectable channel

**Auto-Threshold Function:** to easily find your target population without worrying about the threshold setting while adjusting gains

#### **Compensation:**

- Automatic Full matrix compensation, Novel Compensation Library for storage of spillover values of dyes to easily determine the correct compensation matrix with new gain settings.
- Ability to import/export compensation values between experiments, using compensation library function Absolute linear gain amplification, enabling the use of compensation settings between experiments and sample types.
- Ability of offline compensation after acquiring the data with new gain settings.

**Software:** Proprietary software for data acquisition, analysis & export.

**Operating System:** Windows® 7 Professional 64-bit

**FCS Format:** FCS 3.0

#### **PERFORMANCE**

**Side Scatter Resolution:** <300 nm

**Forward and Side Scatter Resolution:** Scatter performance is optimized for resolving human lymphocytes, monocytes, and granulocytes as well as nanoparticles.

#### **Carryover:**

Single Tube Format: < 1.0%

		<p>Plate Loader Format: &lt; 0.5%</p> <p><b>Sensitivity</b></p> <p><b>FITC:</b> &lt;30 molecules of equivalent soluble fluorochrome (MESF-FITC)</p> <p><b>PE:</b> &lt;10 molecules of equivalent soluble fluorochrome (MESF-PE)</p> <p><b>Fluorescence Resolution:</b> The Flow Cytometer should be capable of achieving 3% rCV with alignment verification particles capable of rCVs &lt;3%.</p> <p><b>Nominal Acquisition Rate:</b> 30,000 events per second with 15 parameters</p> <p><b>Absolute Counting:</b> Absolute count by volumetric measurement with continuous acquisition by means of peristalsis. No pre-determined volume to acquire.</p> <p><b>Quality Control:</b> For detection channel off of the 405, 488, 561, and 638 nm laser, the pass/fail criteria should be rCV &lt;5.0%. For detection channels off of the 375 nm laser, the criteria should be &lt; 7.0%.</p>				
2	<b>BIOLOGICAL SAFETY CABINET</b>	<p>Internal Dimension ( Working Area): 600 * 500 * 540 mm</p> <p>Two HEPA Filters, 99.999% efficient</p> <p>Two layer laminated toughened glass 5 mm front window</p> <p>18 W UV Lamp</p> <p>14 W Fluorescent Lamp</p> <p>LCD Display</p> <p>Microprocessor Control System</p> <p>Remote Control</p> <p>0.55 m/s Inflow Velocity</p> <p>0.33 m /s Down Flow Velocity</p>	01			
3	<b>FLUOROMETER</b>	<p>Powerful, dual-core processor quickly and accurately quantifies DNA, RNA, and protein, in &lt;5 seconds per sample</p> <p>Uses as little as 1 µL of sample</p> <p>Stores up to 1,000 sample results</p> <p>Large 5.7-inch color touch screen for easy workflow navigation</p> <p>Ability to personalize your Qubit Fluorometer with the assays you run most, add new assays, or even create your own</p> <p>Language of your choice including English, French, Spanish, German, Italian, simplified Chinese, and Japanese</p>	01			

For technical queries please contact with Dr. Asma Gul, Chairperson Department of BI & BT, FBAS during office timings (08:00 A. M-03:30 P. M) on phone # 9019837 & 9019351.

