

## TENDER NOTICE

INTERNATIONAL ISLAMIC UNIVERSITY, ISLAMABAD (IIUI) invites Request For Proposals (RFP) from the Original Manufacturer / Authorized Distributors (*with valid authorization / distribution certificate*) / Service Providers/Suppliers registered with Income Tax and Sales Tax Departments and who are on **Active Taxpayers List (ATL)** of the Federal Board of Revenue **for Supply and Installation of Virtual Desktop Infrastructure (VDI) Solution for Labs of DCS & SE (Male & Female), FBAS.**

02. Bidding Documents, containing detailed Terms & Conditions etc. are available at P&S Section, Room No. 213, 2<sup>nd</sup> Floor, Admin 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. 2,000/-** (Non-refundable) in shape of Pay Order/Call Deposit/Bank Draft in favor of IIUI.

03. The bids, prepared in accordance with the instruction in the bidding documents, must reach **on OR before 27-05-2021 upto 11:00 A. M** at the following address:

Room No. 213, 2<sup>nd</sup> Floor, Admin Block  
New Campus, Sector H-10  
International Islamic University Islamabad.  
Tel: 051-9019255

04. Bids will be opened by the ***Bid Opening Committee*** on **27-05-2021** the **Council Hall, Admin Block, IIU at 11:30 A. M** in the presence of bidders/their representative(s) who may like to attend the bid opening.

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

**(Javaid Rabbani)**  
Deputy Director (P&S)  
Tel: 051-9019255

**Request for Proposal**  
**PROCUREMENT & INSTALLATION OF**  
**VIRTUAL DESKTOP INFRASTRUCTURE (VDI) SOLUTION**



**International Islamic University, Islamabad**  
Closing Date & Time: 27<sup>th</sup> May, 2021, 11:00 AM

**SCHEDULE**

Name of Organization	International Islamic University, Islamabad
Open Tender Notice No. (IIUI)	
Tender Type (Open/Limited/EOI/Auction/Single)	Single Stage, Two Envelop
Tender Category (Services/Goods)	Goods & Services
Is Multi Currency Allowed	No, PK Rupees only
Date of Issue/Publishing	30-04-2021
Tender Start Date	01-05-2021
Tender End Date	27-05-2021 11:00 AM
Date and Time of Opening of Technical Bids	27-05-2021 11:30 AM
Tender Fee	<b>Rs.2,000/- (For Tender Fee)</b>
Bid Validity days	120 days (From last date of opening of tender) (Technical Bids)
Address for Communication	Office of Purchase & Store, Room No.213 Administration Block, 2 <sup>nd</sup> Floor, Sector H-10, International Islamic University, Islamabad. Ph: +91 51 9019255
Email Address for Technical Correspondence	<a href="mailto:shahid@iiu.edu.pk">shahid@iiu.edu.pk</a> , 051-9019570

International Islamic University, Islamabad invites Bids for supply & installation of “**Virtual Desktop Infrastructure Solution**” as per specifications given in the ***Annexure-I*** to the Tender Form. All offers should be made in English and should be written in both figures and words. The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Non-compliance with specifications/instructions in this document may disqualify the bidders from the tender exercise.

The University reserves the right to select the item (in single or multiple units both in Hardware/Software) or to reject any quotation wholly or partly, without assigning any reason. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

**1. Eligibility criteria for intending bidders:**

- 1.1. Only Manufacturers / Authorized Distributors (With Valid Authorization/Distribution Certificate) / Service Providers/ Suppliers registered with Income Tax, Sales Tax Department and who are on Active Taxpayers List (ATL) of FBR, are eligible to participate in tender.
- 1.2. The bidder should have adequate documented experience in setting up installations and deployment of VDI/Virtualization supporting multiple simultaneous users on LAN. Copy of Purchase order must be attached with technical bid if desired so, bidder will facilitate the visit to such installations by IIUI representatives.
- 1.3. Proposal must clearly reflect the competence and capability of the bidder in meeting the requirement.
- 1.4. The tenderer shall be required to submit the **Earnest Money Deposit 3%** of total bid, which is refundable and a nonrefundable tender fee for an amount of Rs.2,000/- (Rupees Two Thousand only) by way of DD/PO/CDR only. Earnest money deposited in form ‘Crossed Cheques’ will be rejected without any processing. The DD/PO/CDR shall be drawn in favor of “IIUI” payable at Islamabad. The DD/PO/CDR for Earnest Money Deposit & tender fee must be enclosed in the envelope containing the technical bid.
- 1.5. Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature along with Bill of Material (BoM) mentioning all the terms & conditions clearly, must be enclosed with the technical bid.
- 1.6. The tenderer should not have been debarred or blacklisted by any Central / State Government Departments of Pakistan. An affidavit to that effect on Non-Judicial stamp paper of Rs.100/- duly notarized must be enclosed with the technical bid in prescribed format. The proforma of the affidavit is attached with the tender as ***Annexure- V.***
- 1.7. Signed & stamped guarantee / warranty declaration certificate must be enclosed with the technical bid in prescribed format as attached as ***Annexure –VI.***

## **2. PREPARATION OF BIDS**

- 2.1. Bidder should consider any corrigendum published on the tender document before submitting their bids.
- 2.2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents must be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 2.3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender.

## **3. SUBMISSION OF BIDS**

- 3.1. The bids must be submitted on time and on or before the given date on the addressed mentioned either by post or by hand.

## **4. ASSISTANCE TO BIDDERS**

- 4.1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

## **5. INVITATION FOR TENDER OFFERS**

(VIRTUAL DESKTOP INFRASTRUCTURE SOLUTION AS PER PRICE SCHEDULE)

Single Stage – Two Envelop procedure

The BIDDERS are requested to give detailed tender in one Envelope with two Bids i.e.

- a. Part - I: Technical Bid.
- b. Part - II: Financial Bid

<b>Technical and Financial Bids</b> (Following documents to be provided)			
<b>S#</b>	<b>Documents</b>	<b>Content</b>	
1.		Mandatory Eligibility Criteria Checklist <i>Annexure - A</i>	
2.		Technical Evaluation Criteria Checklist <i>Annexure-B</i>	
3.	<b>Technical Bid</b>	Technical Compliance Sheet as per <i>Annexure - I</i>	
4.		Manufacturer's/Service Provider Authorization Letter as per <i>Annexure-II</i>	
5.		Declaration Sheet as per <i>Annexure – III</i>	
6.		List of Govt. Organization. As per <i>Annexure-IV</i>	
7.		Non-Blacklisting of Supplier on company letter head as per <i>Annexure-V</i>	
8.		Certificate of Guarantee/Warranty as per <i>Annexure-VI</i>	
9.	<b>Financial Bid</b>	Price bid should be submitted in BoQ format as per <i>Annexure-VII.</i>	

Bid documents should be submitted as per the above sequence with Index page and page numbers (including technical literature). Each page of the bid should be signed & stamped original. Unsigned bids will not be considered for evaluation.

#### 5.1. **TENDER FEE & EARNEST MONEY DEPOSIT DETAILS**

5.1.1. **Tender Fee of Rs. 2000/- (Rupees Two Thousand only)** in the form of DD/PO/CDR in favor of IIUI.

5.1.2. **The bidder must be submitted 3% of total bid price as an earnest money in the form of DD/PO/CDR.**

5.2. The technical offer **should not contain any price information.**

#### 5.3. **SPECIFICATIONS:**

Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. The Bid, which is not as per our tender enquiry, will be treated as non-compliant. University has the sole discretion to accept or reject tenders based on technical specifications.

5.4. **“Financial Bid” shall contain:** Cost of all the items/List of deliverables/Bill of materials and services should be mentioned clearly and individually in the Financial Offer.

#### **Note:**

- (i) No request for extension of due date will be considered under any circumstances.
  - (ii) Please insert ‘Financial Bid’ (prices quoted) in the bid envelope.
- 5.5. IIUI may issue corrigendum to tender documents before due date of Submission of bid. The bidder is required to read the tender documents in conjunction with the

corrigendum, if any, issued by IIUI. The bidder is not supposed to incorporate the amendment in the body of the tender document.

#### **5.6. TECHNICAL EVALUATION CRITERIA**

The evaluation criteria are given below:

1. Evaluation of Technical bid as per eligibility criteria.
2. University reserves the right to ask bidder for Proof of concept (POC) for technical approval.

5.6.1. Even though any bidder may satisfy the above requirements, he/she would be liable to disqualification if he/she has:

- i. Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.
- ii. Record of poor performance such as abandoning work, not properly completing the contract, or financial failures/weaknesses etc.

#### **5.7. BID EVALUATION:**

a) IIUI shall consider arithmetical errors on the following basis:

- (i) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail, and the line item total shall be considered
- (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail, and the total shall be corrected; and

5.8. The IIUI reserves the right to accept the offer in full or in parts or reject summarily or partly.

### **AWARD OF CONTRACT**

#### **5.9. Award Criteria**

5.9.1. IIUI shall award the contract to the technically qualified eligible BIDDER whose bid has been determined as the lowest evaluated financial bid and approval of the sample by IIUI.

5.9.2. If more than one BIDDER happens to quote the same lowest price and sample of both bidders are technically approved, contract will be awarded to firm based upon quality of materials used, comfort level, ergonomic design, aesthetics and finish of the final product.

5.9.3. The IIU reserves the rights to modify the quantities of goods / Services at any time before the award of purchase/work order.

### **6. PURCHASER'S RIGHT TO VARY QUANTITIES AT THE TIME OF AWARD**

6.1. IIUI reserves the right at the time of award of Contract to increase or decrease the quantity of items specified in the Schedule of Requirements without any change in price or other terms and conditions.

- 6.2. Firms which have already supplied similar items to IIUI and have not completed required installation/after sales service/ warranty replacements etc. such firms offer will not be considered for further evaluation and no enquiries thereafter will be entertained.

7. **CORRUPT OR FRAUDULENT PRACTICES**

IIUI requires that the BIDDERS who wish to bid for this project have highest standards of ethics.

- 7.1. IIUI will reject a bid if it determines that the BIDDER recommended for award has engaged in corrupt or fraudulent practices while competing for this contract.
- 7.2. IIUI may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the execution of contract

8. **INTERPRETATION OF THE CLAUSES IN THE TENDER DOCUMENT / CONTRACT**

**DOCUMENT:** In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, **IIUI interpretation of the clauses shall be final and binding on all parties.**

9. **CONDITIONS OF CONTRACT**

- 9.1. **Prices:** The price quoted shall be considered firm and no price escalation will be permitted. The price criteria should be on Govt. Levies, if any, shall be paid at actual rates applicable on the date of delivery. Rates should be quoted accordingly giving the basic price, GST, if any. The actual GST if any, should be specified.
- 9.2. **Delivery Schedule:** Items are to be supplied **within time frame given in 'Purchase Order'**.
- 9.3. **Payment Terms:** Payment will be made to the supplier after completion of work
- 9.4. **Delivery & Installation:** All the goods ordered shall be delivered and installed at IIUI Campus within **period specified in Purchase Order**
- 9.4.1. **Penalty for Delayed Services:**
- i If the supplier fails to Supply and install the Virtual Desktop Infrastructure Solution as per specifications mentioned in the order within the due date, the Supplier is liable to pay 'Late Delivery Charges' as per Purchase Order.
  - ii IIUI reserves the right to cancel the order in case the delay is beyond acceptable period. Penalties, if any, will be deducted from the Security Deposit.
- 9.5. **Satisfactory Installation: Payment will made after 'Inspection Certificate' issued by officers to do so mentioned in Purchase Order. It is expected that it will take almost 30 days after confirmation of 'Successful Completion' by bidder.**
10. **Training of Personnel:** The supplier shall provide the technical training to the team nominated for the purpose at the campus premises, after confirmation of successful installation to 'Inspection Officers' and before issuance of Inspection Certificate.

- 10.1. **Operating Manual/Service Manual/User Manual:** It is specifically required that the bidders will supply all the operating manuals, service manuals and user manual along with the equipment and software.
11. **Warranty/ Support: Standard Warranty** must be provided by the firm from the date of the satisfactory installation / commissioning of equipment against the defect of any manufacturing, workmanship and poor quality of components. In case, there is any variation in the warranty as per the specification of the item equipment, the warranty as specified in the specifications shall be final.
- In case, supplier fails to repair / or rectify the equipment during the warranty / guarantee period, University may employ or pay other person/company for repairing the equipment, and all such damages, loss and expenses shall be recovered from the supplier.
- 11.1. **Reference of supply:** Name and contact details of the organizations where the quoted equipment has been installed should be enclosed. Copies of at least two purchase orders may be attached. IIUI reserves the right to inspect the equipment for its actual performance in any of the listed organization.
- 11.2. **Undertaking from the Bidders:** An undertaking will be submitted by the Bidder/firm/company/vendor that in the past they have never been banned/debarred for doing business dealings with Govt. of Pakistan or any other Govt. organization.

Note: The IIUI reserves the right to accept/reject any or all tenders without assigning any reasons thereof and to reject.



Bidders are required to make sure that the following mandatory requirements of eligibility are fulfilled and submitted within the stipulated time period. Non-submission of any one of the following applicable requirements shall result in disqualification.

<b>S #</b>	<b>Mandatory Eligibility Criteria Checklist</b>	<b>Enclosures attached (Yes/No)</b>
1	The bidder should furnish a Certificate/Undertaking on judicial STAMP PAPER worth Rs. 100 for compliance to RFP specification and the acceptance of all the terms and conditions of the RFP unconditionally. Otherwise the tender will not be considered under any circumstances.	
2	Only manufacturer(s) / authorized distributor / service providers / suppliers are eligible to bid. Authorization letter in the prescribed format (Annex –II) from Original Equipment Manufacturer (OEM) in favor of authorized Agent to bid/ negotiate/ conclude the order against this tender, must be enclosed with technical bid.	
3	The bidder should have adequate documented experience in setting up installations and deployment of VDI/Virtualization supporting multiple simultaneous users on LAN. Copy of Purchase order must be attached with technical bid.	
4	Proof of GST Registration and Letter of Incorporation from SECP	
5	The tenderer shall be required to submit the Earnest Money Deposit (EMD) for an amount of 3% of the total project cost. The CDR, for Earnest Money Deposit & tender fee, must be enclosed in the separate small envelope containing in the technical bid.	
6	Company letter that the Bidder is an active taxpayer and has submitted its tax return for the preceding fiscal year.	
7	Company letter that Bidder is not insolvent, bankrupt and is not blacklisted or debarred by PPRA, Government, Semi-Government, Private, Autonomous body or any other international organization must be enclosed with the technical bid in prescribed format. The proforma of the letter is attached with the tender as Annexure – V.	
8	Signed & stamped guarantee/warranty declaration certificate on company letter head must be enclosed with the technical bid in prescribed format as attached as Annexure – VI.	

**Note: Bidders are required to submit filled, signed & stamped copy of the above checklist along with the Technical Proposal.**

**Technical Evaluation Criteria (TEC)**

Firms with adequate experience in this filed are required to submit TEC with documentary evidence under the mentioned aspects within the technical proposal envelope.

The following points will be used in the TEC to qualify the firm thereafter; the firm will be eligible to meet the Hardware Specification Criteria Section.

*The firms obtain below 70% (70 point) in TEC will be considered disqualify.*

**To be filled by the firm**

<b>S#</b>	<b>Criteria</b>	<b>Detail</b>	<b>To be fill by Firm</b>
1	Years of Establishment of firm (Max 20 Points)	The firm having establishment and experience of 8 years in the field of hardware specifically in server equipment's will score 14 points and every experience of each additional year will score 02 points.	
2	Projects Completed (Max 20 Points)	Satisfactory completion of at least 03 Virtualization Solution of worth Rs 14 million will score 2 Points. Each additional same worth similar will score 2 additional points.	
3	SLA Supports (Max 10 Points)	Currently at least have 02 SLA with customers which include servers and storage on 8 x 5 support  -AND- engaged with support activities for 2 firm about 200 or above thin client/desktops will score 8 points. Each additional project of any of the same will score 2 additional point.	

4	VDI partner or equivalent (10 Points)	The bidder should be VDI Competent or equivalent product partner will score 10 points.	
5	Proposed Products Brochure (5 Points)	Attached brochure copies and online products links	
6	Server and Storage Certification (10 Points)	Should have 2 certified engineers of the proposed server and 2 certified engineers of proposed storage will score 10 points (copies of certificates attach)	
7	Network Certification (5 Points)	Should have 01 certified engineers in CCNP -OR- Certified CCNA will score 5 points (copies of certificates attach)	
8	IT Projects Completed (Documentary proof or reference are required) (Max 10 Points)	Firm has completed two or more IT related public-sector projects within Pakistan.	
9	Reputable clientage list (Max 10 Points)	Names and addresses of clients for Virtualization Solutions should be included will score 10 points. IIU reserves the right to contact the clients with respect to this bidding doc.	
	<b>Total Marks 100</b>		

**Technical Specification**

<b>Total Number of Users</b>	200 Concurrent Users (Windows & Linux) in one Application Virtualization Cluster. The system should be able to support all Windows users or all Linux users or any mix of the two.
<b>Total Number of VDI Clients</b>	200

<b>VDI Platform</b>		<b>Technical Compliance (Yes/No)</b>
<b>S#</b>	<b>Description</b>	
1	VDI solution should provide freedom to use combination of multiple hardware (both Rack & Blade x86 servers) for future expansion and scalable to support up to 5000 concurrent user connections in future. Multiple clusters should be managed from the same management console.	
2	The proposed VDI solution should be 100% software defined.	
3	The proposed VDI solution should be listed and mentioned in market survey or research reports.	
4	The proposed solution should run on industry standard x86/x64 servers and it should leverage Virtual Storage Appliance to have truly Software defined Storage or better technology.	
5	Proposed solution should support for increasing capacity by adding CPU, GPU Memory or any other devices to virtual machines on an as needed basis without any disruption in working VMs and Application Virtualization running windows and Linux operating system.	
6	Proposed solution should provide live Virtual Machine migration between different generations of CPUs in the same cluster.	
7	Proposed solution should provide a single unified management console for the management of the entire environment including the virtualized environment of application virtualization as well as software defined storage environment to simplify the manageability of the entire solution.	
8	Proposed solution should provide solution to automate and simplify the task of managing hypervisor installation, configuration and upgrade on multiple physical servers.	
9	The proposed solution must have capability to support all industry storage drives available (SSD & SAS/SATA)	
10	Proposed solution should include bare metal hypervisor with functionality of High Availability, hot Add (CPU, Memory, Storage & Network).	
11	Proposed solution should provide enhanced visibility into storage throughput and latency of hosts and virtual machines that can help in troubleshooting storage performance issues.	

12	Proposed solution should support Raid across disks and nodes.	
13	All the software components should have unlimited incident support with L1, L2, L3 level technical support (Email, Phone & Web) directly from the bidders. The support should be available in office timing with upgrades during the complete tenure of the project without any additional cost during the tenure of the complete project.	
14	Provision of Application Virtualization of following software's Microsoft Office, Visual Studio, Expression Studio, Visio, Project Java – Open JDK, Net Beans, Eclipse IDE, Android Studio IDE, JBuilder Python, gcc-c++, R, RStudio, Node.js MySQL, Oracle Database 11g, MS SQL Server & SQL Server Management Studio Matlab 7, Stata, SPSS 10.1, Mathematica, ProModel ArcView GIS 9, Autodesk, ANSYS 11 Adobe Dreamweaver, Illustrator, Photoshop, InDesign, After Effects Unity, Xcode, Maya Rational Rose, Enterprise Architect	
15	The bidder shall provide onsite support and warranty of 1 year on VDI software solution.	

			Technical Compliance (Yes/No)
S#	Component	Description	
1	<b>Desktop and Application Virtualization</b>	The proposed VDI solution (Citrix/VMWare/Open stack/Sangfor/Huawei or equivalent) shall be scalable to support up to 5000 concurrent user connections in future.	
		The solution should provide Unified client for consistently great experience across devices and locations for: -Optimized access across the LAN through an HTML browser -Good performance of multi-media streaming and graphics -Fully optimized unified communications and real-time audio and video support. -Intuitive and contextual user experience across devices making it easy to run Windows on mobile. -Access to local devices, USB and device peripherals	
		Support different versions of Windows & Linux desktops like Windows 7, Windows 10, Ubuntu and CentOS.	
		Support all kind of Thin, Zero and PC clients	
		Support USB, printer redirection and Audio IN and Out	
		Support SSO with Linux desktops when added to AD/LDAP infrastructure integration.	
2	<b>Performance</b>	The solution should support all browser based and installer-based applications on windows and Linux OS for use in the virtual application and virtual desktops.	
		The solution should be able to support mechanisms to optimize network bandwidth utilization.	
		The solution should be able to provides VM DRS (Distributed Resource Scheduler) load balancing by automatically migrating VMs from a heavily loaded host to another host that has enough computing resources.	
		The solution should be able to provides Storage DRS (Distributed Resource Scheduler) load balancing by automatically perform space load balancing among data stores within all hosts in cluster.	
3	<b>Security</b>	The solution has the ability to restrict access to applications and desktops based on the client IP, client network and client name.	
		The solutions should authenticate users based on their LDAP and active directory credentials	
		The solutions should have the ability to provide access to certain applications without any authentication prompt	
4	<b>Management</b>	The solution should have a single console for desktop/application virtualization management and user support	

		Connection broker software should allow to deliver virtualized or remote desktops and applications through a single virtual desktop infrastructure (VDI) platform and support end users with access to all of their desktops and applications through a single unified workspace.	
		Desktop virtualization management software should have desktop management capabilities such as automatic suspend and resume which reduces the memory and processing power required to host virtual desktops.	
		It should have an ability to use centralized smart pooling and auto provisioning capabilities.	
5	<b>User Experience</b>	End Users get flexible access to a virtual desktop that behaves just like their PC desktop in a complete, managed, secure computing environment.	
		End users get flexibility to access their virtual desktop/application on device of their choice. Below are the devices: - PC - VDI Client/Thin Client	
		End users can connect USB devices that can be locally connected to clients and accessed through a virtual desktop.	
		End users can use printers to access their virtual desktops.	
		End users can connect/use the video camera for video chat-based application.	
6	<b>Monitoring</b>	Monitoring software for VDI should allow IT to easily troubleshoot, manage and monitor your end-user computing environment with a single pane of glass from datacenter to devices. Solution should automatically track the health of your virtual desktop infrastructure	
		Stack to optimize performance. Monitor all storage, compute and network resources	

<b>Server Requirement Rack Mounted (Dell/HP/Huawei/Cisco/ Sangfor/ Lenovo or Equivalent)</b>		<b>Technical Compliance (Yes/No)</b>
<b>SN.</b>	<b>Minimum Server Specification (Qty=04)</b>	
1	<ul style="list-style-type: none"> <li>• 2U Branded Server with Minimum 12 HDD Chassis</li> <li>• Dual Intel Xeon-Gold 6226R (2.9GHz/16-core,32T, 150W)</li> <li>• Minimum 8x 64GB (1x64GB) Dual Rank x4 DDR4-2933</li> <li>• 4x 8TB SAS 12G Midline 7.2K</li> <li>• 4x 960GB SATA 6G Mixed Use LFF SCC SSD</li> <li>• 2x 240GB SATA 6G Read Intensive M.2 2280 SSD</li> <li>• 4x Ethernet 1G port 1G Base-T</li> <li>• 4 x 10G SFP+, Adapter with cables 5m</li> <li>• 12Gb SAS Expander Card Kit with Cables</li> <li>• Universal SATA 6G AIC HHHL M.2 SSD Enablement Kit</li> <li>• Smart Array 12G SAS Modular Controller</li> <li>• 2x 750W Platinum, Hot Plug Power Supply Kit</li> <li>• 2U Cable Management Arm for Easy Install Rail Kit</li> <li>• 2U Bezel Kit</li> <li>• 2U Large Form Factor Easy Install Rail Kit</li> <li>• 03 Years Comprehensive Standard Warranty</li> </ul>	

<b>VDI Client/Thin Client (Qty=200)</b>		<b>Technical Compliance (Yes/No)</b>
<b>SN.</b>	<b>Minimum Specification</b>	
1	VDI client to be HP/Lenovo/Dell/Sangfor/Centerm/Citrix/Huawei/IGEL or equivalent Certified hardware	
2	VDI client should support both Windows and Linux OS	
3	Processor: Intel quad core 2.0 GHz	
4	RAM (DDR3L): 4GB	
5	Storage (SSD): 64GB	
6	Display: DVI-I x 1 (DVI-to-VGA adapter included), DP x 1/Equivalent Resolution: 1920x1200 (DVI)/2560x1600 (DP)	
7	LAN: 1 (10/100/1000 Mbps, RJ45)	
8	WIFI: Built-in WIFI	



9	USB 2.0: 3, USB 3.0: 1	
10	Audio: Line-out x 1, Mic-in x 1, (1/8-inch mini jack)	
11	VDI Protocol Clients: Multiple major VDI clients	
12	Warranty: 1 Year, On-Site	

VDI LED Screen, Keyboard & Mouse (Qty=200)		Technical Compliance (Yes/No)
SN.	Minimum Specification	
1	LED 18.5" 200 x Monitor and Thin Client must be attached with LED Properly (Dell/HP/Lenovo/Equivalent)	
2	USB Keyboard and Optical Mouse (Standard)	
3	Warranty: 1 Year, On-Site	

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

### Signature of Bidder

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization Name: \_\_\_\_\_

Contact No.: \_\_\_\_\_

**FORMAT FOR MANUFACTURER'S AUTHORISATION LETTER TO AGENT (on letter head)**

Ref. No.

Date:

To,  
Deputy Director (P&S)  
International Islamic University, Sector H-10,  
Islamabad.

**Subject: Authorization Letter**

Dear Sir,

We, \_\_\_\_\_, who are established and reputed manufacturers of \_\_\_\_\_, having factory at \_\_\_\_\_, hereby authorize M/s. \_\_\_\_\_ (name & address of Pakistan distributor /agent) to bid, negotiate and conclude the order with you for the above goods manufactured by us.

We shall remain responsible for the tender / contract / agreement negotiated by the said M/s. \_\_\_\_\_, jointly and severely.

We ensure that we would also support / facilitate the M/s \_\_\_\_\_ on regular basis with technology / product updates for up-gradation / maintains / repairing / servicing of the supplied goods manufactured by us, during the warranty period.

In case duties of the Pakistan agent / distributor are changed or agent / distributor is changed it shall be obligatory on us to automatically transfer all the duties and obligations to the new Pakistan Agent failing which we will ipso-facto become liable for all acts of commission or omission on the part of new Pakistan Agent / distributor.

Yours faithfully,

[Name & Signature]

for and on behalf of M/s. \_\_\_\_\_ [Name of manufacturer]

**Note:** This letter of authorization should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer. A copy of notarized power of attorney should also be furnished.

**DECLARATION SHEET**

We, \_\_\_\_\_ hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty. The prices quoted in the financial bids are subsidized due to academic discount given to IIUI.

1 Phone	
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	
6 GST Number	
7 Kindly provide bank details of the bidder in the following format: a) Name of the Bank	
b) Account Number	
c) Kindly attach scanned copy of one Cheque book page to enable us to return the EMD to unsuccessful bidder	

**(Signature of the Tenderer)**

**Name:**

\_\_\_\_\_

**Seal of the Company**

**Annexure-IV**

**List of Organizations**

<b>List of Organizations for whom the Bidder has undertaken such work during last three years (must be supported with work orders)</b>		
<b>Name of the organization</b>	<b>Name of Contact Person</b>	<b>Contact No.</b>

<b>Name of application specialist / Service Engineer who have the technical competency to handle and support the quoted product during the warranty period.</b>		
<b>Name of the organization</b>	<b>Name of Contact Person</b>	<b>Contact No.</b>

**Signature of Bidder**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization Name:**

\_\_\_\_\_ **Contact No. :**

\_\_\_\_\_

**FORMAT FOR NON-BLACKLISTING OF SUPPLIER**

I/ We \_\_\_\_\_Manufacturer/partner/Authorized Distributor/Agent (strike out which is not applicable) of (Supplier) \_\_\_\_\_ do hereby declare and solemnly affirm that the individual/firm/company is not black-listed by the Union/State Government/Autonomous body.

Deponent

Address \_\_\_\_\_

I/ We hereby solemnly declare and affirm that the above declaration is true and correct to the best of my knowledge and belief. No part of it is false and nothing has been concealed.

Deponent

Dated: \_\_\_\_\_

(Note: To be furnished on non-judicial stamp paper duly attested by the Oath Commissioner.)

**Certificate of Guarantee/Warranty (on Letter Head)**

I / We certify that the guarantee / warranty shall be given for a period of one (01) year for VDI client/Thin Client and three (03) years for server starting from the date of the satisfactory installation, commissioning and handing over of the equipment and the work completed under the contract. During the guarantee / warranty period, I / we shall provide the “after sale service” and the replacement of defective / or any part(s) of the equipment or rectification of defects of work of the equipment will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above guarantee / warranty shall begin only from the date of successful installation. The benefit of change in dates of the guarantee / warranty period shall be in the interest of the user / your organization.

I / We shall try to repair the equipment at University premises. However, in case it is not possible to repair the equipment at University premises, we will take out the equipment to our site on our own expenses. We shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till the equipment is rehabilitated to the University after repair. If any loss of equipment occurred during our custody, we will restore it / compensate to University for such losses.

I / We guarantee that in case we fail to carry out the maintenance work within the stipulated period, the University reserves the right to get the maintenance work carried out at our risk, cost and responsibility after informing us. All the expenses including excess payment for repairs / maintenance shall be adjusted against the Performance Bank Guarantee. In case the expenses exceed the amount of the Performance Bank Guarantee, the same shall be recoverable from us with / without interest in accordance with the circumstances.

I / We undertake to perform calibration after every major repair / breakdown / taking the equipment out for repair from the University premises. We guarantee that we will supply spare parts, when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price.

I / We guarantee to the effect that before going out of production of the spare parts, we will give the adequate advance notice to University so that University may undertake to procure the balance of the lifetime requirements of the spare parts.

**Signature of Bidder**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Financial Bid Template****A- VDI Software**

	<b>Proposed VDI Software Specification</b>	<b>Qty.</b>	<b>Unit Price</b>	<b>Total Price</b>	<b>Total Price with GST</b>
1.					
2.					
3.					
4.					
	<b>Total Cost for A</b>				

**B- VDI Server Hardware**

	<b>Proposed Server Specification</b>	<b>Qty.</b>	<b>Unit Price</b>	<b>Total Price</b>	<b>Total Price with GST</b>
1.					
2.					
3.					
4.					
	<b>Total Cost for B</b>				

**C- VDI Clients Hardware**

	<b>Item Description</b>	<b>Qty.</b>	<b>Unit Price</b>	<b>Total Price</b>	<b>Total Price with GST</b>
1.	VDI Thin Client along with proposed VDI model and specification	200			
2.	18.5" LED Screen	200			
3.	Keyboard	200			
4.	Mouse	200			
	<b>Total Cost for C</b>				

**Total Cost of the Solution: A+B+C**