

Tender Notice & Document No. 330/2016
for
Supply and Installation of IT Equipment

Last Date for Submission: 08-09-2016 at 10:00 AM

Bid Opening Date: 08-09-2016 at 10:30 AM



**GOVERNMENT COLLEGE UNIVERSITY
FAISALABAD**

Postal Address:
Government College University Faisalabad (GCUF)
Allama Iqbal Road, Faisalabad
(Phone: 041 9201030 & 9201468)



GOVERNMENT COLLEGE UNIVERSITY FAISALABAD

TENDER NOTICE No. 330 /2016

Government College University, Faisalabad (GCUF) invites sealed tenders / bids from the well reputed firms / importers / suppliers, registered with Sales Tax and Income Tax Departments as Active Tax Payer, for supply and installation of IT Equipment. Detail and Specifications of required equipments are attached in the Tender Documents.

1. Tender Documents are available for download at GCUF's website www.gcuf.edu.pk and PPRA's website www.ppra.punjab.gov.pk. The procurement shall be completed in accordance with Punjab Procurement Rules 2014, on Single Stage - Two Envelope Bidding Procedure.
2. A single package containing two envelopes, Technical and Financial separate Bids, duly completed, signed, stamped, sealed and in complete conformity with Tender Documents should be dropped in Tender Box placed at Directorate of Procurement & Inventory Control (DP & IC) of the GCUF, not later than **10:00 Hrs on 08-09-2016**. Technical Bids will be opened first on **08-09-2016 at 10:30 Hrs**, and Financial Bids will be opened (as per schedule issued later on) for only those Successful Technical Bids which will be acceptable to the "Technical Committee". Whereas, Financial Bids of unsuccessful Bidders will be returned un-opened.
3. All bids must be accompanied by Tender Fee Rs; 1,000/- and Bid Security (Refundable) at the rate of 2% of the Estimated Price of **Rs.66.24 Million** for whole tender OR bid security at the rate of 2% of the quoted price of quoted equipment (s) in shape of CDRs in favor of "Treasurer GCUF". The CDRs of Tender Fee and Bid Security (in original) must be attached with Technical Bid & Financial Bid, respectively. Bids which are incomplete, not signed, not on letter pad, not sealed, without tender fee & bid security, late or submitted by other than specified mode will not be considered.
4. The University may reject all bids/proposals at any time prior to the acceptance of a bid or proposal as per PPRA Punjab rule 35, however, upon bidder request, the grounds for rejection will be communicated to the concerned but no justification will be given as per PPRA rule 35 (2).
5. In case of closed/forced holidays, tender opening time/date will be considered as the next working day.

Officer Incharge

Directorate of Procurement and Inventory Control
Allama Iqbal Road Faisalabad, Phone: 041-9201468 & 9201030



GOVERNMENT COLLEGE UNIVERSITY FAISALABAD

TENDER DOCUMENT No. 330 /2016

SUPPLY AND INSTALLATION OF IT EQUIPMENT

Purchase Price: Rs. 1,000/-

Government College University, Faisalabad (GCUF) invites sealed tenders / bids from the well reputed firms / importers / suppliers, registered with Sales Tax and Income Tax Departments as Active Tax Payer, for supply and installation of IT Equipment. Details & Specifications are separately attached as Appendix “A”.

GENERAL TERMS & CONDITIONS:

1. Tender Opening Date and Procedure

- 1.1 The procurement shall be completed in accordance with Punjab Procurement Rules 2014, on Single Stage - Two Envelope Bidding Procedure.
- 1.2 A single package containing two envelopes, Technical and Financial Separate Bids in complete conformity with Tender Documents will be dropped in Tender Box placed at Directorate of Procurement & Inventory Control (DP & IC) of the GCUF, not later than **10:00 Hrs on 08-09-2016.**
- 1.3 Technical Bids will be opened first on **08-09-2016 at 10:30 Hrs** for evaluation by the "Technical Committee".
- 1.4 Financial Bids of Successful Technical Bidders will be opened as per schedule issued later on.
- 1.5 Financial Bids of unsuccessful Bidders will be returned un-opened.

2. Tender Fee, Bid Security and Performance Security

- 2.1 Technical Bid must be accompanied by Tender Fee of Rs. 1,000/- in shape of Call Deposit Receipt (CDR) in original.
- 2.2 Financial Bid must be accompanied by Bid Security @2% of the estimated price of **Rs.66.24 Million** (refundable) for whole tender OR bid security at the rate of 2% of the quoted price of quoted equipment (s) in shape of Call Deposit Receipt (CDR) in original.
- 2.3 CDRs must be in favor of Treasurer, Government College University Faisalabad.
- 2.4 Performance security @5% of the total bill shall be retained by the University, which will be refundable after expiry of the warranty period.

3. Validity of Offers

- 3.1 Offers shall be valid for at least 180 days from the date of submission of bids.

- 3.2 Withdrawal / modification of the original offer within the validity period shall entitle the University to forfeit Bid Security.
- 3.3 The Competent Authority reserves the right to delete or decrease quantities as well as cancel whole tender or any category of it.

4. Failures and Terminations

No offer of a supplier / firm will be considered if:

- 4.1 Received without 2% Bid Security CDR or less.
- 4.2 Bid received not in accordance with specifications of Tender Documents.
- 4.3 Bid received later than the date and time fixed for tender opening.
- 4.4 Bid / offer incomplete in any respect or unsigned.
- 4.5 Bid / offer ambiguous and / or conditional.
- 4.6 Bid / offer from a firm which is black listed at any level.
- 4.7 Any erasing / cutting / overwriting etc. is observed.
- 4.8 GCUF reserves the right to reject all bids at any time prior to the acceptance of bids, as provided under Rule-35 of Punjab Procurement Rules, 2014.
- 4.9 The vendor fails to deliver the consignment within specified delivery period strictly in accordance with the terms and conditions as laid down in the contract / supply order.
- 4.10 If situation warranted, then GCUF is authorized to forfeit the bid security and the firm may also be black listed.
- 4.11 The decision of the Vice Chancellor of Government College University, Faisalabad, would be final & binding on both the parties.

5. Scope of Work

Following requirements define the scope of work of this Tender:

- 5.1 The vendor must ensure that the proposed hardware and software components should operate smoothly without any compatibility issues.
- 5.2 The vendor must ensure that the supplied equipment is fully operational, new, perform properly and meet the Technical Specification.
- 5.3 The vendor shall be responsible of providing services for operation and maintenance of the equipment provided, without any extra cost or hidden charges within warranty period.
- 5.4 The vendor shall provide any up-gradation of the software without any extra cost or hidden charges within warranty period.
- 5.5 The vendor must offer a comprehensive warranty, support and maintenance, inclusive of parts for repair and replacement of batteries and consumables aligned with support (24x7x365) for a period of one (1) year, inclusive of any PM (Preventive Maintenance) during warranty wherever required. The repair/replacement warranty will include the hardware, parts and components maintenance, all software upgrades, patch serving and technical support.
- 5.6 Warranty period will be considered from the date of equipment commissioning.
- 5.7 The vendor may also submit post warranty maintenance costs plan.

- 5.8 The vendor will maintain an emergency on-call team of skilled technicians and engineers equipped with the necessary tools for emergency fault remediation within warranty period.
- 5.9 During repair/maintenance within the warranty period, stop gap arrangements will be the sole responsibility of the vendor.

6. Mandatory Requirements

- 6.1 For acceptance of bids for equipment, bidders shall meet the Mandatory Requirements and Technical Specifications.
- 6.2 The bidder may quote for one item or more than one item at his own choice.
- 6.3 The bidder shall quote single option of each equipment which may be equivalent or higher than the required specifications along with bid security equal to 2% of the estimated price of equipment. No alternative/multiple options will be accepted.
- 6.4 The bidders are required to submit their technical and financial proposals for supply of each item separately.
- 6.5 Quoted equipments must be of companies from European Economic Countries/USA/Canada/Japan origin.
- 6.6 The bidder must have a valid manufacturer authorization letter from principal firm.
- 6.7 Experience of similar project execution for last three years along with documentary evidences such as PO (Purchase Order) or equivalent is required.
- 6.8 The quoted brand should have local presence with liaison office for last five years.
- 6.9 The quoted brand should have at least one part's replacement hub in Pakistan.
- 6.10 Warranty should be directly provided by the Principal and a 24x7 online support should be available by the Principal.
- 6.11 The bidder must submit "Technical Details" by clearly mentioning specifications, make, model, origin, part number, manufacturer's authorization form (MAF), manufacturing year etc.
- 6.12 The bidder shall provide information about major client sites with same size or higher.
- 6.13 The bidders are required to submit their financial proposals in foreign currency i.e. US Dollar (\$) only on the basis of Cost, Insurance & Freight (CIF) value inclusive of all clearance charges, L/C charges, local carriage charges etc till delivery of equipment/s at GCUF Campuses. CDR equal to 2% of the Total Bid Value or Total Estimated / Quoted Price should accompany the bid as part of financial proposal as bid security drawn in favor of "Treasurer GCUF". The bid shall not be considered without bid security.
- 6.14 The successful bidder shall open "Letter of Credit" at his own in favor of GCUF and letters for custom duty / excise duty / sales tax / other surcharge exemption shall be issued by the GCUF, wherever applicable.

7. Terms of Payment

- 7.1 No payment shall be made in advance to the successful bidder.
- 7.2 Payment will be made in Pak Rupees (equivalent to the exchange rate of US \$ applicable at the time of supply order) through crossed cheque within 30 days after timely delivery, inspection and installation of equipment as per GCUF Rules.
- 7.3 The vendor is responsible to provide import documents (B/L, shipping bill, custom documents, packing list etc.) along with invoice and delivery challan for timely release of payment.
- 7.4 The performance security @5% shall be deducted from the final bill of the successful bidder and will be released after satisfactory performance of the equipment and termination of warranty period.
- 7.5 Delivery time will be 90 days from the date of issuance of Purchase/Supply Order.

8. Liquidated Damages

- 8.1 In case of delay, GCUF reserves the right to impose a penalty not exceeding 10% of the total amount of the supply order at the rate of 2% per month of the bill or amount of delayed equipment.

Officer Incharge

Directorate of Procurement and Inventory Control
Allama Iqbal Road Faisalabad, Phone: 041-9201468 & 9201030



Appendix “A”.

TENDER DOCUMENT No. 330 /2016 **SUPPLY AND INSTALLATION OF IT EQUIPMENT**

1- Servers (Estimated Price Rs. 6.50 Million)

Sr	Item	Technical Specification	Qty	Unit Price	Total Price
1	Servers Type 1	Rack Mount Server (HP/Dell/IBM or Equivalent) - Chassis with Hot Plug Hard Drive 2x Intel Xeon E5-2630 v3 2.4GHz, 8 Core, 20M Cache or Higher - RAM: 128GB RDIMM 3x 1.2TB 10k RPM SAS Hot-plug Hard Drive - RAID 0, 1, 5, 10 - Integrated RAID Controller, 1GB Cache - Multi burner - Dual Port 8Gbp FC HBA - Quad Port Gigabit Network Card - Dual, Hot-plug, Redundant Power Supply (1+1) - Remote Management for administrators to deploy, monitor, manage, configure, update, troubleshoot and remediate - Operating System Support: Microsoft Windows Server 2012 R2, Red Hat Enterprise Linux®, VMware ESX® - Standard Warranty	04		
2	Servers Type 2	Rack Mount Server (HP/Dell/IBM or Equivalent) - Chassis with Hot Plug Hard Drive 2x Intel Xeon E5-2680 v3 2.5GHz, 12 Core, 30M Cache or Higher - RAM: 256GB RDIMM 3 x 1.2TB 10K RPM SAS Hot-plug Hard Drive - RAID 0, 1, 5, 10 - Dual Port 8Gbp FC HBA - Integrated RAID Controller, 1GB Cache - Multi Burner - Quad Port Gigabit Network Card - Dual, Hot-plug, Redundant Power Supply (1+1) - Remote Management for administrators to deploy, monitor, manage, configure, update, troubleshoot and remediate - Operating System Support: Microsoft	02		

		Windows Server 2012 R2, Red Hat Enterprise Linux®, VMware ESX® • Standard Warranty			
3	Servers Type 3 SAN Storage Server	SAN Storage (HP/Dell/IBM or Equivalent) • Internal Redundant • Processors: 4-Core Intel Xeon or above processors (2 per controller, 4 per chassis) • System memory: 32GB per chassis (16GB per controller) • Performance optimized for Oracle • 12TB (approx) usable storage with 15K SAS Drives (not less than 600GB and not more than 1TB each) • 4 x 8Gbps FC ports at least • RAID 0, 1, 5, 10 (Concurrent Multiple RAID Support) • Maximum Drive Support: 192 (24 internal, plus 168 external) • Power supply - hot-plug - plug-in module Redundant • Storage Management Software, and other standard software • Server OS: Microsoft Windows Server, SLES, VMware, Red Hat Linux • Standard Warranty	01		
Total Cost					
Upgradation of Above Items with Following Accessories (Optional) Quote the Price of Each Item Separately 1. SAS SSD 400GB for Above Servers 2. SAN Switch with at least 8 active ports including 8 SFP's with cables for above SAN Storage					

2- UPS (Estimated Price Rs. 4.53 Million)

Sr	Item	Technical Specification	Qty	Unit Price	Total Price
1	10KVA UPS Online Double Conversion Sine wave	APC, MGE, TRIPLITE, EMERSON OR Equivalent • Output power capacity: 10.0 KWatts / 10.0 kVA (Power Factor: Unity) • Output Voltage Distortion: Less than 2% • Bypass: Internal Bypass (Automatic and Manual) • Nominal Input Voltage: 230V , 400V 3PH (Single Phase, three phase both supported) • Typical recharge time: 1.5 hours (without external charger)	05		

		- External Battery Banks Support - Start Without Battery: Yes - Efficiency: 94% - Parallel Redundancy Support - Emergency Power Off (EPO): Yes - Standard Warranty			
2	UPS 2KVA Line Interactive Sine wave	APC, MGE, TRIPLITE, EMERSON OR Equivalent - Output power capacity: 1.3 KWatts / 2.0 kVA - Output Voltage Distortion: Less than 5% at full load - Nominal Input Voltage: 230V - Typical recharge time: 3 hours (without external charger) - Standard Warranty	22		
Total Cost					
Upgradation of Above Items with Following Accessories (Optional)					
Quote the Price of Each Item Separately					
1. Battery banks for above UPS (for extended backups)					

3- Active Network Items (Estimated Price Rs. 11.30 Million)

Sr#	Item	Technical Specification	Qty	Unit Price	Total Price
1	Modular Core Switch with Redundant Power Supplies	CISCO/Juniper/HP or Equivalent - Multi-layer switch with redundant supervisor engines 7 slot modular chassis complete with fans and accessories - Minimum 5 slots for I/O module line cards - Enclosure: Type: Rack-mountable Supervisor Card, Qty (2): - Up to 520 Gbps wired switching capacity with 225 Mpps of throughput of higher - Per-slot Switching Capacity: 48Gbps - IPv4 Routing Entries 64,000 or higher - IPv6 Routing Entries 32,000 or higher - Multicast Routes: 31,000 or higher - MAC Addresses: 54,000 - Active VLANs: 4090 or higher - ARP Entries: 46,500 - Spanning Tree Protocol Instances: 9500 or higher - Switched Virtual Interfaces: 4092 or higher - Switched Port Analyzer: Maximum of 8	01		

		bi-directional sessions • CPU: Dual core; 1.5 GHz • Synchronous Dynamic RAM: 2 GB or higher • Nonvolatile RAM: 1 GB or higher • Security and QoS Hardware Entries: 64,000 or higher • DHCP Snooping Entries: 11,500 or higher • 10G SFP+ ports on supervisor for uplinks and VSS • Support for 10G line cards 48-port Line card, Qty (1) • 48 ports Non blocking • 10/100/1000 module (RJ-45) • L2-4 Jumbo Frame support (up to 9216 bytes) • Energy Efficient Ethernet 802.3az 24 GE Port (SFP) Line card, Qty (2) • 24 Port non blocking SFP line card • Providing 24 gigabits per-slot capacity • Support 1G/100FX SFP (mix and match as well) at line rate • L2-4 Jumbo Frame support (up to 9216 bytes) Power Supply: • Redundant power supply for Automatic failover • Power Supplies must be hot swappable PTA Approved (PTA Approval to be acquired by the vendor) Standard Warranty			
2	Router With ADSL and Fast/Gigabit Ethernet Modules	CISCO/Juniper/HP or Equivalent • Enclosure Type Rack-mountable • Memory: 1GB DRAM or higher • Flash: 512 MB or higher • Interfaces/Modules: 3 (three) 10/100/1000 Ethernet /Fast/Gigabit Ethernet Interfaces. One (01) SFP-Based Port • Total Onboard WAN 10/100/1000 Ports = 03 • Protocols: Support for IPv4, IPv6, Static Routes, Open Shortest Path First (OSPF), Border Gateway Protocol (BGP) • 01(one) port EHWIC dual mode SFP(100M/1G) or GE(10M/100M/1G)	01		

		with Transceiver (1000BASE LX/LH) PTA Approved (PTA Approval to be acquired by the vendor) Standard Warranty			
3	Next Generation Firewall	CISCO/Fortinet/Sophos or Equivalent • GE RJ45 Interfaces: 4 • GE SFP Slots: 4 • IPv4 Firewall Throughput (1518/512/64 byte UDP): 8/8/8 Gbps • Firewall Latency (64 byte, UDP): 3µs • Firewall Throughput (Packet per Second): 12 Mpps • Concurrent Sessions (TCP): 6 Million • New Sessions/Sec (TCP): 200,000 • PTA Approved (PTA Approval to be acquired by the vendor) • Standard Warranty	01		
4	24 Port Gigabit Ethernet Switches	CISCO/Juniper/HP or Equivalent • Enclosure Type: Rack-mountable • Memory: 128 MB RAM • Flash: 64 MB • CPU: 600MHz dual core • Forwarding Bandwidth: 50Gbps (approx) • Ports Qty: 24 x Ethernet 1000Base-T, Two x 1GB SFP ports for uplink • Support active 64 VLANs & capable to create at-least 4K VLAN IDs • Jumbo Frame Support: 9216 bytes • Standard Warranty	20		
5	24 Port Gigabit Ethernet Switches (8 PoE ports)	CISCO/Juniper/HP or Equivalent • Enclosure Type: Rack-mountable • Memory: 128 MB RAM • Flash: 64 MB • CPU: 600MHz dual core • 100 Gbps forwarding throughput • Ports Qty: 24 x 1000Base-T, Two x Ethernet 1000Base-T + 2 x 1G SFP ports for uplink • Support active 255 VLANs & capable to create at-least 4K VLAN IDs • Jumbo Frame Support: 9216 bytes • PoE Power: 802.3af • Standard Warranty	10		
6	48 Port Gigabit Ethernet Switches	CISCO/Juniper/HP or Equivalent • Enclosure Type: Rack-mountable • Memory: 128 MB RAM • Flash: 64 MB • CPU: 600MHz dual core	16		

		- Forwarding Bandwidth: 50Gbps (approx) - Networking Data Link Protocol Ethernet, Fast Ethernet - Forwarding bandwidth not less than 16 Gbps - Ports Qty: 48 x 1000Base-T, Two x 1G SFP ports for uplink - Support active 64 VLANs & capable to create at-least 4K VLAN ID's - Jumbo Frame Support: 9216 bytes - Standard Warranty			
Total Cost					

4- WiFi (Estimated Price Rs. 7.64 Million)

Sr#	Item	Technical Specification	Qty	Unit Price	Total Price
1	Wireless Controller (for Indoor and outdoor access points)	Ruckus/CISCO/Aruba or Equivalent - Wireless controller with 100 access point licenses - Controller should be able to support up to 500 access points. - System must detect the Rogue Access point and indicate malicious AP and Mac Spoofing. - Should support authentication via LDAP, Active Directory and RADIUS server and also have the internal local database - Controller should communicate with APs over layer 2 and layer 3 - Controller must support features like Band balancing, Band Steering, Air time fairness and WLAN time scheduling - User Balancing across adjacent APs - Device must be Wi-Fi Alliance Certified. - Standard Warranty - PTA Approved (PTA Approval to be acquired by the vendor)	01		
2	Indoor Access Point	Ruckus/CISCO/Aruba or Equivalent - Manageable by above wireless controller 802.11ac Wave I standard 2 x 2 MIMO with 2 Spatial Streams. - User Capacity: 500 - Internal Antennas: 12 - Antenna Pattern: 128 - Concurrent Dual Band: 867Mbps (5GHz), 300Mbps (2.4GHz) - Transmit Power: 26 dBm for 2.4GHz &	86		

		24 dBm for 5GHz • Dual Polarize • Wireless Security : WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i • AP authenticate via RADIUS, AD and LDAP • Gigabit PoE Ethernet Port (802.3af) • Standard Warranty • PoC will be required • PTA Approved (PTA Approval to be acquired by the vendor)			
3	Outdoor Access Point	Ruckus/CISCO/Aruba or Equivalent • Manageable by above wireless controller • 802.11ac Wave I standard • 2 x 2 MIMO with 2 Spatial Streams. • User Capacity: 500 • Internal Antennas: 4 • Antenna Pattern: 128 • Concurrent Dual Band: 867Mbps (5GHz), 300Mbps (2.4GHz) • Transmit Power: 26 dBm for 2.4GHz & 24 dBm for 5GHz • -10 dB interference rejection • Dual Polarize • Wireless Security : WEP, WPA-PSK, WPA-TKIP, WPA2 AES, 802.11i • AP authenticate via RADIUS, AD and LDAP • Gigabit PoE Ethernet Port (802.3af) • Standard Warranty • PoC will be required. • PTA Approved (PTA Approval to be acquired by the vendor)	05		
Total Cost					

5- Passive Network Components (Estimated Price Rs.9.06 Million)

Sr#	Item Description Clipsal/3M/Molex or Equivalent	Qty	Unit Price	Total Price
1	Patch Panel Black 48 Ports fully loaded CAT6 with rear cable management ANSI, TIA, EIA, ISO Compliance Flame retardant plastic	57		
2	Patch Panel Black 24 Ports fully loaded CAT6 with rear cable management ANSI, TIA, EIA, ISO Compliance Flame retardant plastic	11		
3	Patch cord CAT6 1 meter Machine punched, Stranded UL Listed, ANSI,TIA,EIA, ISO Compliance with Gold over nickel plated contacts in Connector	400		
4	CAT6 UTP Cable Roll (305m) UL-Listed 23AWG, CM Rated ANSI,TIA,EIA, ISO Compliance 1G Support for 100meter and 10G support for 40meter	250		
5	CAT6 I/O keystone Jack Gold over nickel plated contacts UL Listed, ANSI,TIA,EIA, ISO Compliance Flame Retardant plastic	2700		
6	Single Shutter Faceplate for standard keystone jack ANSI,TIA,EIA, ISO Compliance Flame Retardant plastic with same brand Back box high quality non flexible plastic	2700		
7	RJ45 Connectors CAT6 Gold Plated Contacts 1G Compliance with Alternate cable Grooves	4000		
8	6U Data Rack Double Section with FAN- Cold Rolled Steel Black Color	20		
9	27U Data Rack Floor Standing with Fan - Cold Rolled Steel Black Color 2 Fix , 1 Movable Tray	10		
10	42U Server Rack 600X1000mm Floor Standing - Cold Rolled Steel Black Color 5 Fix Trays Ventilated Top, Antistatic Powder Coating Glass Door	5		
11	Duct 2" (Adamjee or Equivalent) PVC Conduit	20000 ft		
12	Duct 4" (Adamjee or Equivalent) PVC Conduit	10000 ft		
13	Front Cable Manager Metal Body powder coated with Tempered Plastic Top (Slideable)	10		
14	Cable Tester Multi-purpose (imported)	3		
15	Crimping Tool Multi-purpose (imported)	5		
16	Professional I/O Puncher with Punch Grip and Builtin Cutter	5		
17	Tool Kit (Pliers set, Screwdrivers set, Volt Meter, Amp Meter, L-Key set, Screw ranch medium and small sizes, Drill Machine, Drill bits, Hammer, Inches Tape, Soldering iron kit, Solder sucker, Screw Gun with bits, Tool Bag	2		
18	Walkie Talkie Set (2km range) Kenwood/Motrola or equivalent	6		
19	Electric Power Point Installation from Nearest Distribution Board to The Network Cabinets - Multi Socket with Complete accessories such as Wire (7/0.29mm) Backbox etc.	150		
20	Network Point installation by Manufacturer Trained and Endorsed installers with Performance warranty of 15-20 years and Complete system tested by DTX-1800 or Higher. Complete Tagging with Tag printer , Proper Structured Cabling with Manufacturer hosted Training session to End user	1000		
Total Cost				

6- Desktop Computers (Estimated Price Rs. 22.75 Million)

Sr#	Item	Technical Specification	Qty	Unit Price	Total Price
1	Desktop Computers	- Intel Core i7 Processor 6th Generation 8GB DDR3 500GB Hard Disk Drive - USB 3.0 external ports,1 RJ-45; - DVD RW Drive - Keyboard & Optical Mouse 18.5" or Above Widescreen Monitor (LED) - Principal Configured (Branded Systems Only) - Standard Warranty	350		
Upgradation of Above Items with Following Accessories (Optional) Quote the Price of Each Item Separately 1. SSD 240GB for Above Desktop Computer 2. RAM 8GB DDR3 for Above Desktop Computer					

7- Laptops (Estimated Price Rs. 0.85 Million)

Sr#	Item	Technical Specification	Qty	Unit Price	Total Price
1	Laptops	- Intel Core i7 6th Generation Processor Base, Integrated HD Graphics 15.6 inch Non-Touch HD LED - Built-in Camera and Microphone - Memory: 8GB DDR3 - Hard Disk: 1TB - Wireless Dual band 2.4GHz/5Ghz - Internal Single Pointing Backlit Keyboard (English) - Principal Configured (Branded Systems Only) - Standard Warranty	10		
Upgradation of Above Items with Following Accessories (Optional) Quote the Price of Each Item Separately 1. SSD 240GB for Above Laptop OR quote different model with same specs and SSD 240GB					

8- Multimedia Projectors (Estimated Price Rs. 1.0Million)

Sr#	Item	Technical Specification	Qty	Unit Price	Total Price
1	Multimedia Projector	4000 lumens 3LCD Projector 20000:1 Contrast Ratio - Full HD Resolution - Versatile inputs including VGA and	10		

		HDMI • USB Port • RJ45 for network control and monitoring • Optical + Digital Zoom • Auto Lamp Dimming • WiFi Enabled • Standard Accessories • Standard Warranty			
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9- Printers and Scanners (Estimated Price Rs. 1.61m)

Sr#	Item	Technical Specification	Qty	Unit Price	Total Price
1	Laser Printers (Black & White)	• Up to 35 ppm • First page out: As fast as 8 sec • Resolution: Up to 1200 x 1200 dpi • Processor: 800 MHz or higher • Memory: 800 MHz • Duty Cycle: Up to 50,000 pages • Hi-Speed USB 2.0/3.0 • Ethernet 10/100/1000 Gigabit network • Standard Warranty	20		
2	Laser Printers (Color)	• Color and Black: Up to 33 ppm letter (up to 32 ppm A4) • Color and Black (A4, ready): As fast as 11 sec • Black (best): Up to 1200 x 1200 dpi; Black (normal): Up to 600 x 600 dpi; Color (best): Up to 1200 x 1200 dpi • Processor: 800 MHz or more • Memory: 1 GB • Display: 4-line LCD (color graphics) • Duty cycle: Up to 75,000 pages • Ethernet 10/100/1000 Gigabit network • Standard Warranty	02		
3	Scanner	• Scan Resolution: Hardware Optical 2400 x 2400 dpi Up to 2400 dpi • Bit Depth 48-bit • Task Speed: OCR letter-size B/W text to MS Word: about 35 seconds; 4 x 6-inch colour photo to MS Word: about 23 seconds; colour photo to email: about 18 seconds • Scan Speed, Preview As little as 7 seconds • Scan Size, Max 21.6 x 29.7 cm (8.5 x 11 inches) • ADF Capacity and Speed: 50-page capacity; up to 8 ppm; 4 ipm duplex • Transparent Materials Adaptor Up to 3 slides/4 negatives • Scaling 10 to 2,000% in 1% increments	06		

		• Standard Warranty			
Total Cost					

10- Photocopier (Estimated Price Rs. 1.0 Million)

Sr#	Item	Technical Specification	Qty	Unit Price	Total Price
1	Photocopier	- Built In RADF, Printer, Color Scanner - Standard Functions: Digital Copier/Printer/Scanner - Copies Per Minute.: 21 or higher - Resolution: 600 x 600 DPI or higher - Memory: 128 MB or higher - Maximum Original Size: A3 or Ledger - Copy Sizes: A3 to A5. - Reduction / Enlargement - Continuous Copying: 999 or higher - Paper Supply: 2 Trays - Standard Warranty	05		

Grand Total Cost	
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Note: Equipment's Price should also be quoted on Firm's letter head pad.

Details of Call Deposit Receipt (CDR)

Signature_____

No_____ **Amount**_____

Name of Bidder_____

Bank_____ **Branch**_____ **City**_____

CNIC No _____

Name of the Firm & Address _____ **Ph No** _____

N.T.No. _____ **Sales Tax No.** _____

Issued By:

Muhammad Mazhar Waseem
Incharge Officer, Procurement & Inventory Control
Allama Iqbal Road Faisalabad, Phone: 041-9201468 & 9201030