

SARDAR BAHADUR KHAN WOMEN'S UNIVERSITY QUETTA



Purchasing of Different IT and Miscellaneous Items

Submission Deadline: 22nd April 2013 at 11:00 AM
Tender Opening: 22nd April 2013 Time 11:30 AM

Sardar Bahadur Khan Women's University
Brewery Road Quetta
Phone #: 081- 9213303-05
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Sardar Bahadur Khan Women's University Quetta

TENDER DOCUMENT FOR IT & MISCELLANEOUS ITEMS

Firm Name: _____

Resource Person Name: _____

Business Address: _____

Ph #: _____ Cell No: _____

Resource Person Signature: _____

Tender Document No: _____ Issued on _____ / _____ 2012 at _____

By: _____

Against Draft / Cheque / Cash of Rs: _____ Signature _____

**SARDAR BAHADUR KHAN WOMEN'S UNIVERSITY,
Purchasing of IT & Miscellaneous Items
(PART A)**

S.#	Items	Specification	Qty	Rate Per Unit	Amount
1	Kasper Sky Antivirus (Education License Renewal)	License Number:0C2A-120308-094917 License term: 2 year License volume: 250 users	1		
2	Photocopier Digital Copier Heavy Duty Canon Xerox Konica Minolta Kyocera or Equivalent Brand	Copy sizes Paper cassette : A3 to A5 Stack bypass: A3, B4, A4, A4R, B5, B5R, A5 and A5R Copy Speed : 21 cpm and above Memory : 1.5 BG Zoom: 25% - 400% Multiple copies 1- 999 Power source: 220-240V 50 Hz/60 Hz (with at least two years warranty)	1		
3	Computers (desktop , branded ,Core i5)	Processor: 3 rd generation Intel® Core™ i5 (3.10 GHz, 6 MB cache) Motherboard: Chipset Intel® Memory: Installed Memory 4GB GB 1333 MHz Hard drive: Internal drive 500 GB Optical drive: Super Multi DVD burner Monitor 18.5 LED ,(VGA , DVI)	25		

		<p>Graphics Integrated Intel HD</p> <p>Ports: USB , serial , PS/2 keyboard , PS/2 mouse , VGA /DVI ,microphone/headphone jack, line in , line out , RJ-45</p> <p>Networking LAN interface Integrated Intel Gigabit Ethernet 802.11 b/g/n wireless</p> <p>Audio Integrated High Definition audio</p> <p>Power supply 240W power supply - active PFC; 240W 90% efficient power supply - active PFC</p>			
4	Dry Battery supply & Installation	<p>Cells Per Unit 6</p> <p>Voltage Per Unit 12</p> <p>Capacity 7.2Ah @ 20hr-rate to 1.75V per cell @25 (77)</p> <p>Weight Approx. 2.4 kg(5.29 lbs)</p> <p>Maximum Discharge Current 100A/130A(5sec)</p> <p>Internal Resistance Approx. 23 m</p> <p>Operating Temperature Range Discharge: -15 ~50 (5 ~122) Charge: -15 ~40 (5 ~104) Storage: -15 ~40 (5 ~104)</p> <p>Nominal Operating Temperature Range 25 3 (77 5)</p> <p>Float Charging Voltage</p>	12		

		<p>Recommended Maximum Charging 2.16A</p> <p>Current Limit</p> <p>Equalization and Cycle Service</p> <p>Self Discharge CSB Batteries can be stored for more than 6 months at 25 (77). Please charge batteries before using. For higher temperatures the time interval will be shorter.</p> <p>Terminal F1/F2-Faston Tab187/250</p> <p>Container Material ABS (UL 94-HB/File E50263)*Flammability resistance of (UL 94-V0/File E88637) can be available upon request.</p>			
6	UPS 1.2 KVA (Home age or Micro Power or equivalent)	Long backup	2 No		
7	UPS 2 KVA (Home age or Micro Power or equivalent)	Long backup	2 No		
8	Acid Batteries with terminals 165 and 200 Amp	(Volta , AGS , Exide)	2 No		

Part B

Deployment of Wireless LAN at Campus

S.No	Product Description	Technical Specification	Quantity
Wireless Access Points Indoor 5 AP			
1	802.11n CAP w/Clean Air; 4x4:3SS; Mod; Int Ant; A Reg Domain	<ul style="list-style-type: none"> • Should have hardware based spectrum analysis capability. • Should be able to identify non- Wi-Fi RF interference • WAP should use advanced signal processing techniques and multiple transmit paths to optimize the signal received by 802.11 a/g clients in the downlink direction without requiring feedback • Improves 5-GHz client connections in mixed client environments by forcing client support 5-GHz to connect on that frequency. • Quality of Services required for video traffic and video should be in multicast. • Should have the capability to detect and contain rogue access points . 802.11n with 4x4 multiple-input multiple-output (MIMO) technology with three spatial streams - 450 Mbps of throughput - Should have a mechanism to improve downlink performance to all mobile devices including one-, two-, and three-spatial-stream devices on 802.11n while improving battery life on mobile devices such as smartphones and tablets - Power Option for both local and PoE Supply - Should support upcoming standard of 802.11ac for Providing throughput of 1.3 Gbps - Should support full-spectrum, off-channel scanning for comprehensive wIPS, including rogue detection, context awareness, and radio resource management (RRM) solutions. Scans 2.4- and 5-GHz channels while serving data clients on the base dual-band access point platform - 10/100/1000BASE-T autosensing (RJ-45) Ethernet Ports 	5
2	SMARTNET 8X5XNBD 802.11n CAP w/Clean Air 4x4 3SS Mod Int		5
3	802.11n AP Low Profile Mounting Bracket (Default)		5
4	Ceiling Grid Clip for Aironet APs - Recessed Mount (Default)		5
5	Cisco 3600 Series IOS WIRELESS LAN RECOVERY		5
6	Service Provider Option 60 for Vendor Class Identifier		5
7	Power Injector - AP1040/1140/1250/1260/3500 Series- SPARE		5
8	AIR Line Cord Asia Pacific (APAC)		5
Wireless Access Point Outdoor			
1	802.11N Outdoor Mesh Access Point Int. Ant. A Reg. Domain	<ul style="list-style-type: none"> • Should be able to identify non- Wi-Fi RF interference • WAP should use advanced signal processing techniques and 	1

2	SMARTNET 8X5XNBD 802.11N Internal Antenna Mesh Access	<p>multiple transmit paths to optimize the signal received by 802.11 a/g clients in the downlink direction without requiring feedback</p> <ul style="list-style-type: none"> • Improves 5-GHz client connections in mixed client environments by forcing client support 5-GHz to connect on that frequency. • Quality of Services required for video traffic and video should be in multicast. • Should have the capability to detect and contain rogue access points • 2x3 multiple-input multiple-output (MIMO) with two spatial streams • Legacy beam forming • 20- and 40-MHz channels • PHY data rates up to 300 Mbps • Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) • 802.11 dynamic frequency selection (DFS) • Cyclic shift diversity (CSD) support - 10/100/1000BASE-T autosensing (RJ-45) Ethernet Ports 	1
3	Cisco 1550 Series IOS WIRELESS LAN		1
4	1520 Series Power Injector		1
5	AIR Line Cord Central Europe		1
Wireless LAN Controller for 6 AP			
1	2504 Wireless Controller with 5 AP Licenses	<ul style="list-style-type: none"> • Users not recognized by the WLAN controllers shall not be allowed access to the WLAN. • All communication between the controller and access points should be encrypted • Should support self healing through coverage hole detection and correction • Should support self optimization through dynamic transmit power control • Should support AAA services by being able to integrate with active directory and act as RADIUS server • The following feature set should be supported by the WLAN controller ; <ul style="list-style-type: none"> • Roaming support. • IDS and IPS support. • Internal DHCP server support. • MAC filtering. • Dynamic transmit power control. • Should detect and mitigate interference through 	1
2	SMARTNET 8X5XNBD 2504 Wireless LAN Co		1
3	2504 Wireless Controller with 0 AP Licenses		1
4	Cisco 2504 Wireless Controller SW Rel. 7.3		1
5	AC Power cord Europe		1
6	2504 Wireless Controller Rack Mount Bracket		1
7	2504 Wireless Controller Console Cable		1
8	5 AP License for 2504 WLAN Controller		1
9	Base Software License		1
10	2 Prong C7/C8 On-Off AC Power Supply Switch		1

		<p>Dynamic channel assignment.</p> <ul style="list-style-type: none">• Coverage hole detection and correction.• Rogue AP detection and rogue device management.• Seamless, identity-based roaming across the network.• User-centric security with application-specific QoS profiles• Single-console management for all controllers• Advanced VOIP provisioning and management• Nonstop wireless availability for sessions• Device Roaming between floors Aps	
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TERMS AND CONDITION

1. 2% earnest money should be deposited on total cost of the quoted amount with the tender / quotation from in the shape of pay order / demand draft in the name of the Registrar, Sardar Bahadur Khan women University Quetta.
2. Conditional tender / quotation will not be accepted and the competent authority reserves the right to accept or reject all or any of tender /quotation with out assigning any reason thereof.
3. Vender is required to provide brochures / booklets / documentation for equipment.
4. Its sole responsibility of the vender for the provision, installation and commission of the equipment.
5. Price will be quoted including General Sale Tax.
6. 3.5%income tax on every payment will be deducted from the bill.
7. Tender /quotation without earnest money will not be entertained.
8. The tendered that will withdraw or modify his tender, his earnest money shall be forfeited to the Sardar Bahadur Khan Women's University, Quetta.
9. No escalation of rates will be allowed under any circumstances.
10. The work /supply will be executed according to the specifications mentioned in the tender document. Purchase committee will inspect all the supply items, work and supplier will have to pick the sub-standard or below specification items within two days of objection while no payment will be made to the supplier for rejected items and supplier for all kind of liquidated damage.
11. Supplier will be responsible for the handling or transpiration charges for all required items. Even more he has to pay per item per day as storage charges if the rejected items are not removed from university store within two days.

12. No advance payments will be made for supply.
13. No objection will be accepted if the university authority makes any increase or decrease in quantity.
14. Delivery period for required items will be mentioned with the tender/quotations.
15. Necessary warrantee is a must and to be submitted along with each item of tender.
16. After the acceptance of tender / quotation the party is required to execute agreement on judicial stamp paper worth Rs.0.25% of the total amount of bid.
17. For Part B equipment Principle should support 8x5xNBD Advance replacement plan and should have proper mechanism in place for 4 hour Advance replacement of the defected product.
 - a. For Part B equipment Partner should have more than 10 years of experience in deploying WLAN solution
 - b. For Part B equipment partner should poses highest level of technical partnership with principle and should have Advanced Wireless LAN specialization and authorized Technology Partner for Wireless Mesh Equipment.
18. University reserve right to reject all tenders without mentioning any reason.

**Registrar
SBKWU, Quetta.**