

**International Islamic University, Islamabad**  
**Information Technology Centre**  
Changes in Tender Document

**Section1: Switching**

S#	Name of Item	Clarification
1	<b>CORE Switch</b>	Fan airflow: front to back/Left to Right <b>Installation &amp; Configuration Included</b> <b>1x 24 Ports x 40G QSFP Card/Module (Must Quote Separately)</b> <b>1x 24 Ports x 10G SFP Card/Module (Must separately quote and don't left blank)</b>
2	<b>Distribution Layer-3 Switch</b>	Fan airflow: front to back/Left to Right <b>Installation &amp; Configuration Included</b>
3	<b>Layer-2 Manageable Switch 24 Ports</b>	Product category: Enterprise-class Access Switching
4	<b>Layer-2 Manageable Switch 48 Ports</b>	Product category: Enterprise-class Access Switching
5	<b>SFP/QSFP Modules</b>	a. CISCO/HP/Huawei/Brocade or Equivalent QSFP-40G-Compatible 40GBASE-QSFP+ 1310nm upto5km LC DOM TransceiverModule for Single Mode compatible with Core & Distribution Switch
		b. CISCO/HP/Huawei/Brocade or Equivalent 1. SFP-10G-Compatible 10G,850nm upto 2km LC DOM Transceiver Module for Multimode Mode compatible with Core 10G Model, Aggregation & Access Switches
		c. CISCO/HP/Huawei/Brocade or Equivalent 2. SFP-10G-Compatible 10G, 1310nm upto2km LC DOM Transceiver Module for Single Mode, compatible with Core 10G Model, Aggregation & Access Switches Note: The design for core to aggregation switch 40G QSFP connectivity The design for aggregation to access switch is 10G SFP connectivity Ignore DAC Connectivity

**Section2: Hardware Firewall**

S#	Name of Item	Clarification
1	<b>Hardware Firewall</b>	Cloud Based Sandboxing (Optional)
		Quote two quotations a. One with three years subscription

	b. One with five years subscription
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### Section3: Server & Storage

S#	Name of Item	Clarification
1	Blade Compute& Rack Servers	a. Intel® Xeon® Gold 5218 2.3GHz 16 Core Processor/Equivalent
		b. 10 G Network Cards for Fiber Connectivity SFP compatible with Aggregation switches
		c. Warranty with 3 years and with 5 years
		d. Blade Chassis 8 Computes or More

### Section5: UPS & Batteries

S#	Name of Item	Clarification
1	UPS Pure Sinewave  <b>Suppliers may quote only UPS, but the supplier is responsible for Supercapacitor battery compatibility with UPS and responsible for any damage</b>	a. 3-Phase 20KVA Pure Sinewave/Online/Generator Compatible (APC/Emerson/Deutsche-Power/WRL) or equivalent)
		b. External Battery Bank with 2 x 7 KWH Supercapacitor Batteries (2 Hours Min Backup on 80-90% Load)Generator Compatible, Warranty Period with parts & onsite both for batteries & UPS: 5 Years
		c. Installation with cables
		a. 1-single phase 2 KVA Pure Sinewave/Online/Generator Compatible (APC/Emerson/Deutsche-Power/WRL) or equivalent)
		b. External Battery Bankwith 0.6 KWH Super CapacitorBatteries (2 Hours Min Backup on 80-90% Load) Generator Compatible, Warranty Period with parts & onsite both for batteries & UPS: 3 Years
		d. Installation with cables

### Section5: Fiber Optic Cable

S#	Name of Item	Clarification
2	Fiber Optic Laying with Main holes	HD Pipe size is mentioned in S#1
4	Pigtail Single Mode OS2 Fiber &MM OM4 Cable	a. Fiber Optic Pigtail SM (40GQSFP) =Qty=700 b. Fiber Optic Pigtail MM (10GSFP) =Qty=300
5	Fiber Optic Patch Cord 40G/10G	c. Fiber Optic Patch Cord 3M SM (40GQSFP) =Qty=100 d. Fiber Optic Patch Cord 3M SM (10GSFP) =Qty=100 e. Fiber Optic Patch Cord 3M MM (40GQSFP) =Qty=100

### **Section5: Passive Cabling**

S#	Name of Item	Clarification
3	Single Gang Faceplate, 1 port, w/o shutter	Molex/3M/Equivalent Complete Set Including (FP, IO Cat-6), BB) =Qty=1500
4	RJ45 K6 Jack, Cat 6, UTP	Molex/3M/Equivalent OEM RJ-45 Connectors=Qty=30Boxes
7	Duct Patty 10 feet Length (16x38)/(40x40)/(60x40)/(60X60)	a. Adam G Duct 16x38 (10Feet Length) =Qty=400 b. Adam G Duct 40x40 (10Feet Length) =Qty=100 c. Adam G Duct 60x40 (10Feet Length) =Qty=50 d. Adam G Duct 60x60 (10Feet Length) =Qty=50
9	Data Cabinet 9 U or higher	As per standard switch length & width

The burden of proof regarding Cat-6 OEM cable and allied accessories is on supplier. The supplier must provide verification address of quoted product

**Note: Quoted items must be of same specs/model or their equivalent.**

**For any further query, please contact with Mr. ShahidMehmood, Deputy Director (Networks) at his office telephone # 9019570 during office hours (09:00 AM-03:30 PM) email: [shahid@iiu.edu.pk](mailto:shahid@iiu.edu.pk)**