Data Center and Structured Cabling Project
TECHNICAL SPECIFICATIONS

DESCRIPTION	QTY	BID BULLETIN
A. Data Center		
1. Supply & Installation of tempered fixed glass in anodized aluminum frame, 43"x102" x ½"	3	
2. Supply & Installation of tempered fixed glass in anodized aluminum frame, 32"x102" x ½"	4	
3. Supply & Installation of sliding door, 32"x102" x ½"	1	
4. Supply & installation of hardiflex partition in metal furring, 130" x 102" x 1/2"	1	
B. Structured Cabling for the Administration Building		
C. Active and Passive Components		
1. **Precision Airconditioning Unit (PACU)** 　a. 300mm, Air Cooled, Self-contained 200-240v 50Hz 　b. InRow SC Air Cooled Self Contain 　c. Air distributor 　d. 1200 CFM 　e. Horizontal 　f. Rear Return 　g. 4.90kW 　h. Multi function LCD status and control console 　i. BSMI,C-tick,CE,EN 55022 Class A,FCC Part 15 Class A,ICES-003,UL Listed,VDE,VCCI 　j. 2390Watts 　k. 14Amps 　l. 50 Hz +/- 3 HzHz 　m. includes installation and commissioning, labor and materials	1	**1. Precision Airconditioning Unit (PACU)** 　a. 300mm, Air Cooled, Self-contained 200-240v 50Hz 　b. InRow SC Air Cooled Self Contain 　c. Air distributor 　d. 1200 CFM 　e. Horizontal 　f. Rear Return 　g. At least 4.90 kW 　h. Multi function LCD status and control console 　i. BSMI,C-tick,CE,EN 55022 Class A,FCC Part 15 Class A,ICES-003,UL Listed,VDE,VCCI 　j. 14Amps 　k. 50/60 Hz +/- 3 Hz 　l. includes installation and commissioning, labor and materials
2. **Server** 　a. Rack mount 　b. With VGA and DVD ROM, USB Ports 　c. **Processor:** 1 CPU, *Intel® Xeon® E5-2630 v3 2.4GHz,20M Cache, 8.00GT/s QPI, Turbo, HT,8C/16T (85W) Max Mem 1866Mhz* 　d. **Memory** *: 2 x 16GB RDIMM, 2133mt/S, Dual Rank* 　e. **Hard Drive:** 2 x 600GB 15K RPM SAS 6Gbps 2.5 Hot-plug Hard Drive 　f. **PSU :** Dual, Hot-plug Power Supply 　g. **Hardware RAID support** 　h. Warranty : 3yrs Pro Support, Next Business Day Onsite Service	1	

3.	**Server Racks**
	  a. Dimension – 42 U
	     Height : 2000 mm
	     Width: 600 mm
	     Depth: 1200 mm
	  b. Single perforated locking door
	  c. Split rear door, locking
	  d. Split side panels, locking
	  e. High density cable entry roof (2500+ cat5 cables)
	  f. Low profile cater and levelling feet
	  g. 2 Sets 19" EIA rails.
	  h. 2 Full height rack PDU/cable management brackets
	  i. Hardware kit (Qty 50M6 Cage Nuts and screws)
	  j. Bolt down brackets
	  k. Central grounding point
	  l. Standard Compliance: (19") rack mount equipment, EIA310E
	  m. Environmental Compliance: RoHS
	  n. Additional 1,500pcs M6 Cage Nuts
	  o. 4 units additional PDU
		2	**3. Server Racks**
			    1 unit - server rack, 1 unit - network rack
			  a. Dimension – 42 U
			     Height : 2000 mm
			     Server Rack Width: 600 mm
			     Network Rack Width: 750 mm
			     Depth: 1070- 1200 mm
			     - **server rack and network rack should have the same depth**
			  b. Single perforated locking door
			  c. Split rear door, locking
			  d. Split side panels, locking
			  e. High density cable entry roof (2500+ **cat6** cables)
			  f. Low profile cater and levelling feet
			  g. 2 Sets 19" EIA rails.
			  h. 2 Full height rack PDU/cable management brackets
			  i. Hardware kit (Qty 50M6 Cage Nuts and screws)
			  j. Bolt down brackets
			  k. Central grounding point
			  l. Standard Compliance: (19") rack mount equipment, EIA310E
			  m. Environmental Compliance: RoHS
			  n. Additional 1,500pcs M6 Cage Nuts
			     4 units additional PDU

4.	**UPS battery** a. 12V, 9Ah	10	
5.	**Air-conditioning Unit** a. 1 hp, Split Inverter Type	1	

6.	**EIA 19-inch Rack**
	  a. Wall mounted
	  b. Enclosure Cabinet
	  c. Heavy-duty steel
	  d. Perforated
		5	

7.	**KVM set**
	  a. Include 1U 19" widescreen LED/LCD console drawer (VGA and DVI compatible with the servers) with Keyboard and Mouse
	  b. LCD/LED Monitor support Full HD with 1080p resolution
	  c. Include slide rails with fixed positions to prevent drawer movement when typing
	  d. Include the KVM switchbox with server modules and cables that support at least 16 servers
	  e. includes adapters and other necessary peripherals		

D.	**After sales support**		
E.	**CODES AND STANDARDS**		