

## Detailed Specifications of RFQ for Purchase of IT related items

S.#	Name of Items	Total Qty Required
1.	<p><b>HP Aruba 2920-24G (Switch) or equivalent</b>  <b>Part Number:</b> J9726A                      (20) RJ-45 autosensing 10/100/1000 ports (4) RJ-45 dual-personality 10/100/1000 ports (2) module slots , Memory and processor Tri Core ARM1176 @ 625 MHz 512 MB SDRAM Packet buffer size: 11.25 MB (6.75 MB dynamic egress + 4.5 MB ingress), 1 GB flash MB Latency 100 Mb Latency: &lt; 9 μs, 1000 Mb Latency: &lt; 3.3 μs, 10 Gbps Latency: &lt; 3.3 μs , Throughput: up to 95.2 Mbps , Switching capacity: 128 Gbps Stacking capabilities: Virtual 4 switches                      Management features: Aruba AirWave Network Management, IMC - Intelligent Management Center Command-line interface, Web browser, Configuration menu, Out-of-band management (RJ-45 Ethernet) SNMP manager, Telnet, RMON1, FTP In-line and out-of-band, Out-of-band management (serial RS-232C or micro USB) ,SKU, Product dimensions (H x W x D) 17.42 x 13.23 x 1.75 in Weight: 11.57 lb. Warranty: Standard warranty period as offered by OEM.</p>	2
2.	<p><b>HPE 1920 16G Switch or equivalent</b>                      JG923A • 16 RJ-45 auto-negotiating 10/100/1000 ports • 4 SFP 1000 Mbps ports • min=0 \ max=4 SFP Transceivers • 1U - Height</p>	8
3.	<p><b>HP ProCurve Gigabit LX-LC Mini GBIC SFP Module for HP 2920 Switch or equivalent</b>                      Model Number: J4858C                      Part Number: 1990-3656</p>	5
4.	<p><b>HP SFP LC LX Transceiver module for HP 1920-16 G Switch or equivalent</b></p>	5
5.	<p><b>Fiber Cable 12 Core Single Mode</b></p>	600 Meters
6.	<p><b>ODF Box (16ports)</b></p>	10
7.	<p><b>LC-FC Pigtails</b></p>	120
8.	<p><b>Fiber Patch Chords (1 meter)</b></p>	20 (pairs
9.	<p><b>6-Ru Wall Mount Rack with Fan and PDU (4) sockets for HP 1920 Switch</b>                      Sample will be approved before the final product</p>	2
10.	<p><b>4-Ru Wall Mount Rack-Double Section with Fan and PDU (4) sockets for HP 2920 Switch</b>                      Sample will be approved before the final product</p>	8
11.	<p><b>Cable Manager</b>                      Brand: 3M or equivalent high quality                      Sample will be approved before the final product</p>	10
12.	<p><b>CAT-6 UTP Cable</b>                      Brand: Molex/Norden/Schneider/AMP Original                      Sample will be approved before the final product</p>	8 (1 roll=300 meters)
13.	<p><b>CAT-6A UTP Cable for uplinks</b>                      Brand: Molex/Norden/Schneider/AMP Original                      Sample will be approved before the final product</p>	100 meters (110 PKR per Meter)

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<b>14.</b>	<b>HD Pipe Duct for fiber cable</b>	<b>600 meters (1-inch diameter)</b>
<b>15.</b>	<b>Ducting Patti (Cable duct) Size: 25mmx38mm Brand: Adamjee or equivalent high quality Sample will be approved before the final product</b>	<b>200 (Standard length = 10 ft)</b>
<b>16.</b>	<b>Ducting Patti (Cable duct) Size: 16mmx16mm Brand: Adamjee or equivalent high quality Sample will be approved before the final product</b>	<b>250 (Standard length=10 ft)</b>
<b>17.</b>	<b>RJ-45 Connectors - Cat6 Brand: Norden/AMP or equivalent high quality Sample will be approved before the final product</b>	<b>4 (100 connectors per packet)</b>
<b>18.</b>	<b>Cable Strain Relief Boots Cable Connector Plug Cover high quality Sample will be approved before the final product</b>	<b>4 (100 connectors per packet)</b>
<b>19.</b>	<b>Rawal Bolt 3/8" for Wall Mount rack Sample will be approved before the final product</b>	<b>60</b>
<b>20.</b>	<b>Steel Nail 1" with Rowel Plug Sample will be approved before the final product</b>	<b>16 (100 nails per packet)</b>
<b>21.</b>	<b>Splicing and Cable Installation Charges</b>	<b>120</b>
<b>22.</b>	<b>Excavation + Road Cutting Charges</b>	<b>200 Meters</b>