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Information Technology Division

Ministry of Health

دائرة تكنولوجيا المعلومات  
وزارة الصحة  
جمهورية مالديف

### Specification for 3KVA UPS

<b>DETAILS</b>	<b>3000VA (minimum) WITH AUTOMATIC VOLTAGE REGULATOR</b>
<b>OUTPUT VOLTAGE</b>	<b>220V, 230V (nominal), 240V</b>
<b>VOLTAGE DISTORTION FOR OUTPUT</b>	<b>Less than or equal to 5%</b>
<b>OUTPUT CONNECTION QUANTITY</b>	<b>Four (4) IEC 320 C13 (Minimum) One (1) IEC 320 C19</b>
<b>INPUT VOLTAGE</b>	<b>230V</b>
<b>INPUT CONNECTION TYPE</b>	<b>British BS1363A</b>
<b>BATTERY CONDITION</b>	<b>Leakproof</b>
<b>REPLACEMENT BATTERY COST</b>	<b>Should include current market price for the replacement battery</b>
<b>INTERFACE PORTS</b>	<b>One (1) RJ-45, One (1) Smart slot or equivalent interface port</b>
<b>AUDIBLE ALARM</b>	<b>Alarm when on battery Alarm when low battery Alarm when overload</b>
<b>REQUIRED FEATURES</b>	<b>Surge protection and Noise filtering Include Emergency Power Off feature LED Display with load and Status</b>
<b>WARRANTY</b>	<b>One-year hardware and TWO years' service warranty One-year Guarantee for Battery (provide replacement if battery life ends earlier than one year)</b>



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### Specification for 8KVA UPS

<b>DETAILS</b>	<b>8KVA (Minimum) WITH AUTOMATIC VOLTAGE REGULATOR</b>
<b>FORM FACTOR</b>	<b>Rack mountable</b>
<b>OUTPUT VOLTAGE</b>	<b>220V, 230V (nominal), 240V</b>
<b>VOLTAGE DISTORTION FOR OUTPUT</b>	<b>Less than or equal to 5%</b>
<b>OUTPUT CONNECTION QUANTITY</b>	<b>Eight (8) IEC 320 C13 One (1) IEC 320 C19</b>
<b>INPUT VOLTAGE</b>	<b>220/230/240 V</b>
<b>INPUT CONNECTION TYPE</b>	<b>British BS1363A</b>
<b>BATTERY CONDITION</b>	<b>Leakproof</b>
<b>REPLACEMENT BATTERY COST</b>	<b>Should include current market price for the replacement battery</b>
<b>INTERFACE PORTS</b>	<b>One (1) RJ-45, One (1) Smart slot or equivalent interface port</b>
<b>AUDIBLE ALARM</b>	<b>Alarm when on battery Alarm when low battery Alarm when overload</b>
<b>REQUIRED FEATURES</b>	<b>Surge protection and Noise filtering Include Emergency Power Off feature LED Display with load and Status</b>
<b>WARRANTY</b>	<b>One-year hardware and TWO years' service warranty One-year Guarantee for Battery (provide replacement if battery life ends earlier than one year)</b>



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### Specification for 24 Port Manageable Switch

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INTERFACES	24 x 1Gb RJ-45 Ports 2 SFP + Ports
FEATURES	VLAN routing Rack-mountable



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### Specification for Cable Roll Box

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<b>Description</b>	CAT6 UTP / 23 AWG solid 300 m (minimum)
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### Specification for Network Accessories

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<b>Jack</b>	
Features	RJ-45 CAT6
Quantity	500
<b>Keystone</b>	
Features	RJ-45 CAT6
Quantity	100
<b>Faceplate</b>	
Features	2 Ports RJ-45 CAT6
Quantity	50



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### Specification for Network Toolkit

Details	
<b>Multifunction crimper</b>	
<b>Features</b>	<ul style="list-style-type: none"><li>4/6/8P Crimping tool with ratchet design or equivalent to proskit CP376TR</li></ul>
<b>Cable Cutter Stripper</b>	
<b>Features</b>	<ul style="list-style-type: none"><li>UTP/STP cable stripping</li><li>Electrical wire cutter</li></ul>
<b>Cable tester</b>	Equivalent to Proskit MT-7057
<b>Features</b>	<ul style="list-style-type: none"><li>Tests 4 types of cables: RJ-11/-45/USB/BNC</li><li>Simple one-button test</li><li>600 ft. test distance</li><li>LEDs indicate connections and faults</li></ul>
<b>Screwdriver</b>	<ul style="list-style-type: none"><li>Cross-head screwdriver (3.2x100mm) [Steel Material] 1 x 2mm 1 x 4mm 1 x 6mm</li><li>Straight-head screwdriver (3.2x100mm) [Steel Material] 1 x 2mm 1 x 4mm 1 x 6mm</li></ul>



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**Specification for Projector**

<b>DISPLAY TECHNOLOGY</b>	
<b>LIGHT OUTPUT (LUMENS)</b>	<b>2500 Lumens</b>
<b>RESOLUTION</b>	<b>1280x720 or higher</b>
<b>CONTRAST RATIO (UP TO)</b>	<b>10000 : 1</b>
<b>LAMP LIFE (UP TO)</b>	<b>3000 hours normal / 4000 hours eco</b>
<b>THROW RATIO</b>	<b>0.5 : 1</b>
<b>PROJECTION DISTANCE</b>	<b>0.4 – 2 m</b>
<b>COMPATIBILITY</b>	
<b>SUPPORTED VIDEO STANDARDS</b>	<b>HD, VGA, XGA</b>
<b>SD/HD VIDEO SIGNAL COMPATIBILITY</b>	<b>720p, 1080i</b>
<b>PC SIGNAL COMPATIBILITY</b>	<b>HD, VGA, XGA</b>
<b>INPUT / OUTPUT CONNECTORS</b>	
<b>1x HDMI</b>	
<b>1 x VGA in</b>	
<b>1 x VGA out</b>	
<b>ACCESSORIES</b>	
<b>IR Remote Control</b>	
<b>Ceiling Mount Bracket</b>	
<b>CABLES</b>	<b>30 feet HD Cable</b>
<b>WARRANTY</b>	<b>1 Year</b>



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### Specification for Server Rack

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TYPE	42U Rack
FEATURES	Enclosure 600mm x 1070mm (approximately) Perforated front and rear doors Removable side panels



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### Specification for Server

<b>DRIVE BAYS</b>	<b>UP TO 16 x 2.5" SAS/SATA HARD DRIVES FOR 2CPU CONFIGURATION</b>
<b>PROCESSOR</b>	<b>2 x INTEL® XEON® SILVER 4210 2.2G, 10C/20T, 13.75M CACHE, TURBO, (85W)</b>
<b>MEMORY</b>	<b>64GB RDIMM, 2666MT/s, DUAL RANK, x4 DATA WIDTH</b>
<b>RAID CONTROLLER</b>	<b>RAID 1 FOR SSD, RAID 50 FOR HDD, 8GB NV CACHE (MINIMUM)</b>
<b>STORAGE</b>	<b>SSD 2 x 480GB SOLID STATE DRIVE SATA 6GBPS 2.5" HOT-PLUG - HDD 8 x 2.4TB 10K SAS 12GBPS 2.5" HOT-PLUG</b>
<b>NETWORK</b>	<b>INTEGRATED QUAD PORT GIGABIT ETHERNET</b>
<b>RACK RAILS</b>	<b>SERVER RACK RAILS, CABLE MANAGER</b>
<b>POWER SUPPLY</b>	<b>DUAL POWER SUPPLY, REDUNDANT CONFIGURATION, 750W</b>
<b>POWER CORDS</b>	<b>C13 TO C14, PDU STYLE, 12 AMP, 1M POWER CORD</b>
<b>BEZEL</b>	<b>INCLUDE BEZEL</b>
<b>OPERATING SYSTEM</b>	<b>GENUINE WINDOWS SERVER® 2019, DATACENTER EDITION WITH UNLIMITED VIRTUAL MACHINE LICENSE (10 x 2 CORE PACK)</b>
<b>WARRANTY</b>	<b>3 YEARS PARTS / 3 YEARS' SERVICE WARRANTY</b>



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### Specification for Access Point

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<b>QUANTITY</b>	<b>5</b>
<b>RANGE</b>	<b>183m</b>
<b>FREQUENCY</b>	<b>2.4Ghz</b>
<b>THROUGHPUT</b>	<b>300 Mbps Minimum</b>
<b>OTHER</b>	<b>Should Include a POE injector</b>
<b>COMPATIBILITY</b>	<b>Should Be compatible with other Unifi APs</b>