Section VII. Technical Specifications

Item No.	Specification	Quantity	Unit	Statement of Compliance *[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]*
	SUPPLY AND DELIVERY OF VARIOUS I.T. EQUIPMENT			
1	**Desktop Computer** **Processor:** Intel® Core™ i5-12400 Processor 2.5Ghz 6 Cores, 12 threads, 18M Cache, up to 4.40 GHz **Memory:** 8GB 3200MHZ DDR4 **nVMe SSD:** 512GB M.2 2280 **Videocard:** Integrated **CD-ROM:** DVD-Writer **Operating System:** Windows 10 or higher Licensed **Monitor:** 21.5-inch Monitor Display **Keyboard + Mouse USB Type / Mousepad** **Warranty:** One (1) year warranty	15	unit	
2	**Printer Continuous Ink System** **Dimensions (W x D x H):** 461 x 215 x 130 mmWeight:2.4 kg **Input Capacity:** Up to 50 sheets of Plain Paper (75g/m2) **Paper Sizes:** A4, Letter, Legal (8.5 x 14") **Paper Feed Method:** Friction Feed **Print Speed:** ISO 24734, A4 Simplex (Black / Colour): Up to 9.0 ipm / 4.8 ipm* **Printing Technology:** Piezoelectric Printhead **Nozzle Configuration:** 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow) **Print Direction:** Bi-directional, Uni-directional printing **Maximum Print Resolution:** 720 x 720 dpi **Minimum Ink Droplet Size:** 3.0 pl **Automatic 2-sided Printing:** No **Operating System Compatibility:** Windows XP / XP Professional / Vista / 7 / 8 / 8.1 / 10 **Warranty:** One (1) year warranty	32	unit	
3	**Printer with scanner / Continuous Ink System** **Standard Paper Input Capacity:** Up to 100 sheets of Plain Paper (80 g/m2) Up to 20 sheets of Premium Glossy Photo Paper **Paper Sizes:** Legal (8.5 x 14"), Indian-Legal (215 x 345 mm), 8.5 x 13", Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), 5 x 7", 5 x 8", 4 x 6", Envelopes: #10, DL, C6 **Print Method:** On-demand inkjet (Piezoelectric) **Printer Language:** ESC/P-R, ESC/P Raster **Nozzle Configuration:** 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow) **Maximum Resolution:** 5760 x 1440 dpi **Automatic 2-sided Printing:** No **Warranty:** One (1) year warranty	3	unit	
4	**Power Strip Surge Protector Rack-Mount PDU** • 12 Right Angle Outlets Wide-Spaced • Heavy Duty 1U Rack Mount PDU Power Strip for Server Racks • 15A/125V • 6ft Cord • Black	2	unit	
5	**Ethernet Switch** **16 Port 10/100** **LAN:** IEEE 802.3 10BASE-T **Standards:** IEEE 802.3 10BASE-T Ethernet (twisted pair copper) **Port Packet Filtering/ Forwarding Rate:**148,800 pps for 100 M **Network Cables :**10BASE-TFanless: Yes **802.3az Energy-Efficient Ethernet support:** Yes **Form Factor:** Desktop Rackmountable **Housing:** Metal **Warranty:** One (1) year warranty	10	unit	
6	**LCD Projector** **LCD:** Size: 0.55" (D7) **Native Resolution:** SVGA **Lamp:** Type: 210W UHE **Life (Normal / Eco)*1:** 6,000 hours / 10,000 hours **Resolution, Projectors Facets:** SVGA,	2	unit	

	Contrast Ratio, Projectors Facets: 15,000:1 **Brightness Range Lumens, Projectors Facets:** 2000 **Features, Projectors Facets:** Wifi, Quick Corner **Laser / Lamp, Projectors Facets:** Lamp **Projection Technology:** RGB liquid crystal shutter projection system **White Light Output (Normal/Eco):**3,300lm / 2,050lm **Colour Light Output:** 3,300lm **Warranty:** One (1) year warranty		
7	**Firewall/ Security Gateway** **CPU:** Marvell Armada 3720 (88F3720) ARMv8-A 64-bit Cortex A53 @ 1.2GHz with NEON SIMD and FPU **CPU Cores:** Dual Core **Networking:** One 1 Gigabit Ethernet WAN port (RJ45 / SFP Combo) Four 1 Gigabit Ethernet LAN ports (Marvel 88E6141 switch, uplink at 2.5 Gbps) **LAN ports can be repurposed for additional WAN ports** **Storage:** 8GB eMMC Flash on board **Memory:** 4 GB DDR4 (not expandable) **Expansion:** 1x M.2 'B' key sockets (SSD, LTE)1x miniPCIe (WiFi) microSIM slot **Console Port:** MiniUSB (console cable included) **USB Ports:** 1x 2.0 port **LED:** 3 full color RGB LEDs (Pattern info here) **Enclosure:** Desktop 1.7″ (42.2 mm) tall x 4.25″ (108 mm) deep x 6.8″ (172.7 mm) wide with integrated keyholes for easy wall mounting **Cooling:** Passive **Environmental:** 32°F (0°C) to 122°F (50°C) **Certifications:** CE, FCC (Class B), RoHS, UL, RCM, VCCI **Warranty:** One (1) year warranty	1	unit
8	**305M Cat5e UTP Ethernet cable** • UTP-104 24AWG Solid (Grey, Blue) • CAT5e UTP Cable supports Gigabit Ethernet (1000 Base-T) standard. STANDARD: UL444,910 &ISO/IEC 11801 &TIA/EIA-568-B-2 CAT 5E • Comply with Cat5e specifications • Cable Construction: 4-pair unshielded twisted pair (UTP) cable • 24 AWG solid	3	box
9	**Gigabit Multi-WAN VPN Router** **Interface:** 1 Fixed Gigabit WAN Port, 1 Fixed Gigabit LAN Port, 3 Changeable Gigabit WAN/LAN Ports **Network Media:** 10BASE-T: UTP category 3, 4, 5 cable (Max 100m) EIA/TIA-568 100Ω STP (Max 100m), 100BASE-TX: UTP category 5, 5e cable (Max 100m), EIA/TIA-568 100Ω STP (Max 100m), 1000BASE-T: UTP category 5, 5e, 6 cable (Max 100m) **Concurrent Session:** 25,000 **IPsec VPN Throughput:** 41.5 Mbps **WAN Connection Type:** Static/Dynamic IP, PPPoE, PPTP, L2TP **MAC Clone:** Modify WAN/LAN MAC Address, LAN MAC Address can be modified only in Standalone Mode. **DHCP:** DHCP Server/Client, DHCP Address Reservation, Multi-net DHCP, Multi-IP Interfaces, Multi-IP Interfaces and Multi-Net DHCP are supported only in Controller Mode **VLAN:** 802.1Q VLAN **IPTV:** IGMP v2/v3 Proxy **Filtering:** WEB Group Filtering, URL Filtering, Web Security **ARP Inspection:** Sending GARP Packets, ARP Scanning, IP-MAC Binding **Attack Defense:** TCP/UDP/ICMP Flood Defense, Block TCP Scan (Stealth FIN/Xmas/Null), Block Ping from WAN **Access Control:** Source/Destination IP Based Access Control **Warranty:** One (1) year warranty	2	unit
10	**Wifi Router** **Standards:** Wi-Fi 5 , IEEE 802.11ac/n/a 5 GHz, IEEE 802.11n/b/g 2.4 GHz **WiFi Speeds:** 5 GHz: 867 Mbps (802.11ac) 2.4 GHz: 400 Mbps (802.11n) **WiFi Range:** 4× Fixed High-Performance Antennas **WiFi Capacity:** Medium Dual-Band, MU-MIMO **Working Modes:** Router Mode , Access Point Mode **HARDWARE:** Processor 1.2 GHz CPU **Ethernet Ports:** 1× Gigabit WAN Port, 4× Gigabit LAN Ports **SECURITY:** WiFi Encryption WPA, WPA2, WPA3, WPA/WPA2-Enterprise (802.1x) Network Security SPI Firewall **Access Control:** IP & MAC Binding **Parental Controls:** URL Filtering **Time Controls:** WAN Types Dynamic IP, Static IP, PPPoE, PPTP, L2TP **Quality of Service:** QoS by Device **DDNS:** NAT Forwarding, Port Forwarding, Port Triggering **DMZ:** UPnP **Warranty:** One (1) year warranty	10	unit