

To: Prospective Offerors

Quito, October 5, 2020

The U.S. Embassy in Quito, Ecuador requires buying Security Equipment with the following characteristics:

Item	Description	Specs	Qty
1	HYPERCONVERGENCE SOLUTION	<p>The platform is managed by software and must include an architecture open to the hardware of at least 3 nodes for the environment required in the Main Data Center, which provides a high availability scheme at the hardware and software level so that in the event of the failure of a node, the cluster remains operational without affecting the performance of the applications.</p> <ul style="list-style-type: none"> <li>-The hyperconverged nodes, made up of compute resources, storage and centralized management in an integrated way, unified in devices with Intel x86 architecture that take advantage of the local components of each unit and create a distributed platform with modular growth capacity. Each Node must include:               <ul style="list-style-type: none"> <li>- Minimum 2UR for each node.</li> <li>- 1 processor greater than or equal to Intel Xeon-Silver (3.0 GHz / 24 core).</li> <li>- Include usable memory of at least 384GB DDR4 in sizes greater than 32GB, the solution must support a growth of up to 3 TB in RDIMMS.</li> <li>- Include storage: 12TB configured on disk greater than or equal to 6x2.0TB, 10K in HD; for 2x300G HD Operating System and 2x 960G SSD for Hyperconvergence deployment; the solution must be scalable greater than or equal to 14x12TB 10K. The usable capacity of the cluster must be at least 20TB. The nodes must be certified by the manufacturer of the hardware and hyperconvergence software, the requested capacity can be delivered with SSD and SAS type disks.</li> </ul> </li> <li>-The hyperconverged solution will deliver total usable storage of the solution without compression or deduplication taking into account the necessary storage for a minimum value of 20 TB on 10 k disks</li> <li>- All redundant power and network elements.- Management ports at minimum 1Gbps</li> <li>- Each node must have at least the following network ports:               <ul style="list-style-type: none"> <li>-2 10Gb Ethernet Copper or SFP + ports for the storage network of the solution</li> <li>-4 1GbE ports for the management and administration of the Hyperconverged solution</li> <li>-1 exclusive 1GbE port for remote monitoring and management of the hyperconverged node.</li> </ul> </li> <li>-The redundant switches for the solution will be those of Core with an independent VLAN with a minimum of 10G for its management.</li> <li>-Hyperconvergence must have a sufficient memory buffer to cover the storage requirement, as recommended in the good practices of the Hyperconvergent tool.</li> <li>- The solution must include all the licensing and subscription to virtualize, administer and manage Hyperconvergence at different levels; It must be compatible with VMWARE and</li> </ul>	1

		<p>support replicas in case of implementing nodes for Contingent Sites in the future.</p> <ul style="list-style-type: none"> <li>- The Software Managed Hyperconvergence Solution must be in the leader quadrant at minimum Gartner 2019.</li> <li>- Nodes must have a vendor tool that enables direct and centralized management with third-party vendors to manage solution scalability, monitoring, and unified management.</li> <li>- Include preventive and corrective maintenance one a year in both hardware and software for a minimum of 3 years and complying with the established SLA (Service Level Agreement).</li> <li>- Include installation, configuration, functional tests and commissioning of the solution; as well as all interconnection accessories.</li> <li>- The solution must include the migration of all physical machines to virtual machines and the accompaniment of virtual servers to the new platform.</li> <li>- Delivery of documentation of the implemented solution (technical manual).</li> <li>-Transfer of knowledge of 40 hours on the implemented solution.</li> <li>-Certification by the brand of the equipment for 3 employees with vaucher.</li> </ul>	
2	PERIMETER SECURITY EQUIPMENT	<ul style="list-style-type: none"> <li>-License 3 years</li> <li>-New Generation Firewall</li> <li>-Prevention of Advanced Threats</li> <li>-IPS</li> <li>-URL FILTERING</li> <li>-App Control</li> <li>-SandBoxing</li> <li>-Prevention of Information Leakage</li> <li>-Security of DNS</li> <li>-Migration and startup of the firewall</li> <li>-It must support the browsing load of 2000 users and the interaction with the applications installed in the institution's data center.</li> <li>-The perimeter solution must support free SSL VPN for at least 1000 devices</li> <li>-Must have 2 10GB Fiber ports (include transcevier for OM3 Multimode fiber and LC to LC patch cords for OM3 3m fiber) and a minimum of 4 10/100/1000 network ports.</li> <li>-For solid disk log storage of 200 GB or higher, administration and reporting should be considered.</li> <li>- 2 GB minimum throughput enabled all the requested functionalities.</li> <li>-Must be in the Gartner 2019 Quadrant.</li> <li>-Installation, configuration, functional tests, migration and commissioning of the solution.</li> <li>-Transfer of knowledge of 40 hours on the implemented solution.</li> <li>-Certification by the brand of the equipment for 3 employees with vaucher.E24</li> </ul>	1
3	INTERNAL DOMO IP POE CAMERA	<p>IP DOME CAMERA 4MP 2688 x 1520, 2,8MM, IR 25 m, H.265 + / H.264, IP66, IK10, WDR 120 dB, PoE, 12VDC</p> <p>Onvif S profile</p> <p>Security:</p> <ul style="list-style-type: none"> <li>-User and password</li> <li>-HTTPS</li> <li>-IP Filtered</li> <li>-TLS1.2, AES-256, SSH / Telnet closed, FTP disabled</li> </ul>	16

		-Cameras must include built-in video analytics	
4	EXTERNAL TUBE CAMERA IP POE	IP CAMERA IP 4MP 2688 x 1520, 3.6 MM, IR 30 m, H.265 + / H.264 +, IP66, WDR 120 dB, PoE, 12VDC -Onvif profile S / Q Security: -User and password -HTTPS -IP Filtered -TLS1.2, AES-256, SSH / Telnet closed, FTP disabled -Cameras must include built-in video analytics	12
5	EXTERNAL PTZ IP POE CAMERA	IP DOME PTZ CAMERA 4Mp 2592 x 1520, ZOOM 30x Optical + 16x Digital, 4.5 mm - 135 mm, IR 100m, H.265 / H264, WDR 120 dB, Slot SD up to 128GB, IP66, PoE, 24VDC, includes support -Onvif S profile -Cameras must include built-in video analytics	4
6	MONITOR 42"	42 inch HDMI VGA monitor	2
7	USB ACTIVE EXTENSION ADAPTER BY UTP CABLE	USB to UTP cat5 / active CAT6 supports up to 150 meters	2
8	USB ACTIVE EXTENSION ADAPTER BY UTP CABLE	HDMI to UTP CAT5 / cat6 active converter supports up to 150 meters.	2
9	FIRE DETENTION CENTRAL	Intelligent and addressable algorithmic fire alarm and detection center with 99 detectors and 99 modules. It allows the programming of 99 software zones per control panel. -Storage 1000 events. -Configurable via software	1
10	SMOKE DETECTOR	Induction on handling and configuration: YES - Smoke photoelectric detector direct you -UL / ULC standard -Operating Temperature from 0 ° C to 50 ° C -10% - 93% relative humidity not condensed -Voltage range 15 - 32 VDC"	6
11	HEAT DETECTOR	Addressable speedometer detector -UL / ULC standard -Operation Temperature -20 ° C to 38 ° C -10% - 93% relative humidity not condensed -Temperature range 8.3 ° C per minute -Voltage range 15 - 32 VDC	1
12	EMERGENCY BUTTON	- Addressable double action alarm button -Key to reset -Operation voltage 24 VDC -Operating Temperature from 0 ° C to 50 ° C -10% - 93% relative humidity not condensed -Certifications: UL, ULC, MEA, CSFM. FM	4
13	STROBOSCOPIC LIGHT WITH AUDIBLE ALERT	Spectroscopic light 12-24v -Selectable 15, 30, 75, 95, 110, 135 and 185 candela -Audible alert 88+ dBA at 16 volts -Certifications UL, FM	2
14	NVR 32 channels / MINIMUM 16 POE	Warranty: 3 years -Manuals: YES -Knowledge transfer: YES -Audio: 1in / 1 out	1

		-2 HDMI interfaces, 1 VGA -Compression: H.265 / H.264 / MJPEG / MPEG4 -Recording Bit Rate 320Mbps -Recording resolution: Up to 12 MP at 15 fps -Supports 8 Sata disks, includes 16 TB -Alarm: 16 in / 6 out -Cameras must include built-in video analytics	
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We will evaluate offers based on the best value to the US Government.

Vendors must deliver the equipment at Quito – Ecuador.

Contractors will be prequalified using Department of State guidelines. There is no testing (non-destructive or destructive) required for this work. All deliverables shall be submitted in English.

Pursuant to FAR 4.1102, bidders are required to be registered in SAM (System for Award Management) at the time a quotation is submitted. In order to register to SAM, please follow the instructions detailed in the following link.

<https://www.sam.gov/SAM/pages/public/help/samInternationalUserGuide.jsf>

If you would like to be considered for this project, your offer must be submitted via email **November 15th, 2020, 4:00 p.m.**

Direct any questions regarding this project to Jose Balseca, GSO Specialist / Procurement Supervisor BalsecaJJ@state.gov +593-2-398-5284 and/or Ana Jimenez Procurement Agent, at telephone number +593-2-398-5076, Email: JimenezAE2@state.gov in writing to same e-mail address.