

CONSULTANCY TO SUPPLY, INSTALL AND CONFIGURE NETWORK SYSTEM AT WILDLIFE CONSERVATION SOCIETY, KAMPALA OFFICE

BACKGROUND

Wildlife Conservation Society (WCS) Uganda with funding from the European Union seeks to contract a competent firm to Supply, Install and Configure Network System to achieve high performance, efficiency and effectiveness. The Wildlife Conservation Society (WCS) founded in 1895 is a US non-profit, tax-exempt, private organization based in New York that saves wildlife and wild places worldwide through science, conservation action, education, and inspiring people to value nature. WCS started operating in Uganda in 1957 supporting the government of Uganda to manage and conserve wildlife. The Country Program currently has conservation efforts focused on three key critical landscapes: the Greater Virunga Landscape, the Murchison-Semliki Landscape, and the Kidepo Landscape, committed to safeguarding Uganda's biodiversity and promoting African environmental conservation.

OBJECTIVE

This consultancy is aimed at upgrading the WCS's internet network system to improve internal and external communication, data storage and management as well as strengthen its data and information protection and security systems.

SCOPE OF WORK

The successful firm will implement the following tasks:

1. supply, and Install most current network infrastructure hardware and applications
2. Configure the installed equipment necessary for a functional, uninterrupted, fault free Network data communication system for its Kampala Office.
3. Provider Commits to provide on-site technical support during the warranty period until the network system is fully handed over to WCS to manage.

DELIVERABLES

The Selected Vendor shall supply, install and configure network equipment listed below:

Id	Unit	Qty	Item	Description
1	Pc	1	Router	<ul style="list-style-type: none"> - VPN-enabled router must have both wired and wireless connectivity, support and have built-in VPN features. - Should support load balancing. - Should be running the latest OS. - Have Two WAN ports for dual WAN routing - High throughput of not less than 2.5 Gbps
2	Pc	1	Firewall	<ul style="list-style-type: none"> - The firewall should be fast and deliver high performance without slowing down the internet service. - Should be a next generation Firewall with support for applications control and URL and web applications filtering to protect users from malicious sites.

				<ul style="list-style-type: none"> - Should have deep packet inspection, intrusion prevention, and malware detection functionalities. - Shall be configured to generate daily and monthly links utilization reports. - Minimum of 1 Gigabit threat prevention throughput. - Capable of identifying all device host names mapped to IP address - Support enforcement of policies with internet connections within and outside WCS network through a virtual private network. - Support for dual WAN Links. - 500 Mbps IPsec VPN throughput - Support for SD-WAN.
3	Pc	1	Switch	<ul style="list-style-type: none"> - 24 port Ethernet switch - Supports PoE+ - Running the latest OS
4	Pc	2	Wi-Fi Access points	<ul style="list-style-type: none"> - Supports WPA3 encryption protocol - Running the latest OS - Supports both 2.4 MHz and 5 MHz bands.
5	Pc	1	Server	<ul style="list-style-type: none"> - 32 GB RAM - Latest Intel Xeon 3.5 GH Processor - 2TB SSD - Running Windows Server 2019, 64 bit, supplied and installed with all necessary CAL licenses. - Vendor install and configure relevant server roles and features. - With Hot-Swappable Drives - Supplied with other peripherals such as monitor, Logitech Wireless mouse and Keyboard combo.
6	Pc	1	NAS	<ul style="list-style-type: none"> - 5 Bay NAS - Minimum of 8 GB DDR4 RAM - With Five 8TB each Iron wolf NAS drives. - To be configured for remote access as private cloud storage. - Supports RAID 5 configuration to provide better performance and fault tolerance. - Should be running the latest OS
7	PC		Patch cables	<ul style="list-style-type: none"> - Cat 7 is preferred and quantities are to be determined after assessment by the vendor
8	Rolls		LAN Ethernet cables	<ul style="list-style-type: none"> - Cat 7 is preferred and quantities are to be determined after assessment by the vendor

The vendor should bare in mind the aspect of technology future proofing for all the proposed Network system components.



The Selected vendor shall setup an Encrypted VPN connection with the most secure encryption protocols like WPA3 with AES

The selected firm shall supply the network equipment along with all necessary licenses.

The selected firm will complete all configurations following the Technology industry best practices.

The selected firm shall be involved in system integration and migration from the existing system.

The selected bidder shall submit a technical report along with exported configuration files.

The contractor shall submit a full schedule of maintenance to be conducted on the system during the warranty period.

QUALIFICATIONS

The selected bidder must have professionally certified engineers.

The bidder must send an after sales support for the network equipment, and have a clear plan for replacement of defective hardware under warranty.

Bidder should document all technical details for the proposed equipment in the technical proposal.

Prospective bidders are required to conduct site inspection.

WCS shall not be responsible for lack of excess materials and equipment to be supplied by the selected bidder. It shall be a sole responsibility of the selected bidder to assess all the required materials for a successful implementation of this activity.

OTHER CONSIDERATIONS

The WCS Procurement committee shall convene to evaluate all the submitted bids following the below selection Criteria:

Id	Description	Points
1	Vendor's technical capacity to deliver the services	20
2	Previous related experience of the bidder in designing and implementation of data/voice networks	20
3	Qualifications of proposed staff	20
4	Compliance with required technical specifications	10
5	Warranty, delivery time, and after sale services	10
6	Proposed fee	20
	Total points for the six criteria	100

Special Conditions:

The bidder must be tax compliant and have valid trade licenses.

Bid submissions are restricted to only locally registered firms in Uganda.



Submit both a technical, and financial (in Uganda Shillings) proposal for conducting this work, including the names and CVs of key personnel

Demonstrate professional and experience of conducting similar work by listing a minimum of three such services with current reference contacts.

SUBMISSIONS

Interested parties should send proposals in PDF format to **wcsuganda@wcs.org** and cc **gnangendo@wcs.org** indicating, **“WCS Uganda Network infrastructure Upgrade”** in the subject line.

Deadline for Submission: 29-Jan-2021

For Site survey arrangements, Contact Peter Nsubuga Bisimbeko | Tel: 0704985025 |Email: pnsbuga@wcs.org