

TENDER NO KNLS/HQ/T012/2013/2014

SUPPLY AND INSTALLATION OF MPLS WAN FOR KNLS E-RESOURCE CENTERS

NOTES:

- a) **THIS IS NOT AN ORDER.** Read the conditions and instructions on reverse before quoting
- b) This quotation should be submitted in plain was envelope marked “**TENDER NO KNLS/HQ/T012/2013/2014** and be addressed to reach the buyer or placed in the Tender box not later than **10.00 am on 5/05/2014**”

GENERAL

1.1 This Document lays out the technical specifications for provision of Internet Services to the KNLS e resource centers and backhaul of VPN traffic to the head office LAN.The service:-

- 1.1.1 Should include the upgrade of the LAN and core switching and routing equipment at the HQ
- 1.1.2 Should include Network monitoring software and NOC set up
- 1.1.3 Should include maintenance services for the active routing and switching equipment at each site
- 1.1.4 Connection **MUST** be dedicated
- 1.1.5 Wifi Access point unified AP - guest login /user management

1.2 Services are required for a period of 2 years active from the date of project commissioning

- 1.2.1 Any connection available can be used

2. SITE SURVEYS

2.1 Bidders are encouraged to make arrangements to visit the site so as to enable them appreciate the scope of the work, to ascertain distances and pathways and to identify and/or propose where terminal equipment and other associated equipment may be installed.

3.0 TECHNICAL REQUIREMENT OF THE SERVICES

3.1 Key requirements for connectivity are as follows;

- A dedicated loop link Minimum link 1 Mbps uplink and downlink, Bidders may propose higher bandwidth.
- A network monitoring tool must be provided with a user friendly GUI with capabilities of bandwidth allocation, network monitoring, remote LAN access (VPN), content filtering and management of the wireless environment.
- Wifi Access point unified AP - guest login /user management

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- On security, the connectivity must guard against malicious or intentional disruption (e.g. denial of service attacks, computer viruses, spams and Junk mails) to be perpetrated from any network external to KNLS.
- Network should be able to support Voice Service integration (both Fixed and GSM Voice) with installation of at least 1 extension per branch for inter-branch communication.
- Log in access application for KNLS to verify its inbound and outbound traffic and utilization of its bandwidth.
- Resiliency, security and high availability.
- There should be service guarantees in terms of availability and reliability through well designed and protected circuits on the core network.
- The Service provider should also have well established fault handling procedures allowing for very minimal downtimes to KNLS.
- Service Provider's core and access networks should be backhauled on different networks that are all independently interconnected in a secure data centre thereby ensuring that KNLS will be guaranteed of service.
- The network circuits should be protected through the implementation of a ring topology with the use of equipment which provides a scalable architecture that will allow for network expansion, and can be used to provide new services such as voice, video conferencing, internet/P2P and IPTV (Quad Play) with seamless bandwidth scalability from STM1 to STM4. In addition, the SDH topology should ensure that in the event of any physical damage the circuits can restore to another route without any downtime (self healing).
- The service provider should have connectivity to different international internet gateways that should offer KNLS high levels of redundancy to the internet with auto fail over mechanisms. Bidder should avail evidence of redundancy on the Local, International, backbone, provider and gateway levels.

3.2. Secure Specified traffic will be secure (i.e., encrypted by the network using internationally approved encryption techniques and standards), and will be suitable for carrying classified information.

3.3. All the continuously available services shall be scheduled to be available 365 days a year and 24 hours a day, apart from maintenance times which may be scheduled or emergency in nature.

3.4. A separate draft of Service level Agreement (SLA) should be provided to ensure guarantee of the services.

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3.5. Any terminal equipment, both indoor and outdoor required to set up the link, MUST be supplied by the service provider as part of this tender.

3.6 Dedicated Public IP addresses (/22) for the offices to enable remote administration of servers and the entire network from headquarter office. OR suitable Network Address Translation to enable access of shared resources (servers, printers etc.) in all the region offices seamlessly.

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BIDDING FORMAT

Tender Name:	SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF INTERNET TO E-RESOURCE CENTERS						
Date	22ND April 2014						
Name of Tenderer							
Address							
Item Code	Service Description	Qty (Mbps)	Make and Model	Country of Origin	Unit Monthly	Total Monthly Cost (Kshs)	Total Annual Cost Kshs.
INTERNET SERVICE MONTHLY CHARGES							
Dzitsoni	1Mbps Dedicated Link	1					
Kwale	1Mbps Dedicated Link	1					
Lagam	1Mbps Dedicated Link	1					
Habaswein	1Mbps Dedicated Link	1					
Mwingi	1Mbps Dedicated Link	1					
Muranga	1Mbps Dedicated Link	1					
Lusumu	1Mbps Dedicated Link	1					
Laikipia	1Mbps Dedicated Link	1					
Mandera	1Mbps Dedicated Link	1					
Werugha	1Mbps Dedicated Link	1					

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	Total less VAT					-	-
	Add 16% VAT					-	-
	Total amount and currency (Kenya Shillings)					-	-

Ones off cost

Item Code	Service Description	Qty	Make and Model	Country of Origin	Unit Cost	Total Amount	
Installation	Summary of Installation Charges						
Equipment	Summary of Equipment Charges						
Others	Other Charges - Please itemise separately						
	Total Less VAT					-	
	Add 16% VAT					-	
	Total amount and currency (Kenya Shillings)					-	

Bid Validity Period:.....90 days.....

Signature of tenderer: _____

Designation: _____

Name: _____

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Enquiries

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HODICT

BRANCHES TO BE CONNECTED

NO	knls e resource center
1	Dzitsoni
2	kwale
3	lagam
4	habaswein
5	mwingi
6	muranga
7	lusumu
8	laikipia
9	mandera
10	Werugha

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CONDITIONS

1. The General Conditions of Contract with the government of Kenya apply to this transaction. This form properly submitted constitutes the entire agreement.
2. The offer shall remain valid for 30 days from the closing date unless otherwise stipulated by the seller.
3. The buyer shall not be bound to accept the lowest or any other offer, and reserves the right to accept any offer in part unless the contrary is stipulated by the seller.
4. Samples of offers when required will be provided free, and if not destroyed during tests will, upon request, be returned at seller's expenses.
5. Your quotation should indicate final unit price which includes all costs for delivery, discount, duty and sales tax.
6. Return the original copy and retain the duplicate for your record.

INSTRUCTIONS

1. All entries must be typed or written in ink. Mistakes must not be erased but should be crossed out and corrections be made and initialled by the person signing the quotation.
2. Quote on each item separately and in units as specified.
3. This form must be signed and stamped by an authorised person.
4. Each quotation should be submitted separately in a sealed envelope with the quotation number endorsed on the outside.
Descriptive literature or samples of the items offered may be forwarded with the quotation.
5. If you do not wish to quote, please endorse the reason on this form and return it, otherwise your name may be deleted from the buyers' mailing list for the items listed hereon.