

4GLTE

**TENDER
NOTICE**

Kigali Heights, 7th Floor Procurement@ktrn.rw |
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REQUEST FOR QUOTATION

Tender No. KTRN/ADMIN/S/2023/O6/001

Date of issue: 22nd June 2023

Date of bid submission: 29th June 2023

Time: 10AM

INTRODUCTION.

KT Rwanda Networks Ltd (KTRN) is the only 4G LTE infrastructure company in Rwanda, jointly invested by the Government of Rwanda and Korea Telecom (KT) exclusively for wholesale provision of universal mobile broadband network in Rwanda using 4G LTE technology. The wholesale network service for mobile broadband will help to promote healthy competition for advanced retail services and solutions, and will benefit consumers, enterprises and the nation in transforming Rwanda into the ICT hub of East Africa. The company also provides wholesale fixed services based on its national wide fiber infrastructure to licensed operators in Rwanda

Details:

KTRN is looking for a company that fulfills the requirements to supply SMSC and USSD to KTRN as per the specifications below;

SMSC/USSD Solution Requirements	
SMSC features	A2P
	P2P
	SMS Firewall
	SMSGw
	Broadcasting App
	Campaign Managers
	Diameter capability(Realtime Charging, etc...)
	Short Code and Long Code Handling
	MT-SMS Error-Based Retry
	Multiple GTs Support.
	CDR Generation
	Traffic Throttling
	Data Coding Scheme
	Multiple SMPP Sessions for Single Short Code.
	MNP Support
	Address Translation
Blacklisting and Whitelisting of IMSI, Short Code, SenderID, etc...	
USSD features	Support for SIP traffic
	Speed Dialing
	Support for MAP/SIP to VXML or SMPP Conversion
	Smart footer insertion
	USSD Menu Aggregation
	Service Code Aliasing

	Multilingual Support
	Smart tags in the USSD content
	Charging Integration
	Duplicate Request control
Vendor Integration	Able to integrate with Nokia IMS
Scope	Integrating with IMS only Network
	Support for Multi-vendor integrations
	Support for both Roaming and International Services.
	Integrating with other MNOs using 3G or 2G Network
	Support for other Aggregators
Deployment	On-site Deployment
	On Job Training is a must
SW Capacity	400k SAU Subscribers
HW Capacity	2 Million SAU Subscribers
Traffic Distribution	Two (2) sites with Load Balancing.

REQUIREMENTS TO BID

1. Trade license of the similar works
2. Company Profile
3. References for similar works
4. Detailed technical proposal
5. Financial Proposal
6. Delivery period

Well, scanned bids, properly bound and presented in one file not exceed ten Megabytes (10MB) must be sent by email on procurement@ktrn.rw. no later than 29th June 2023 at 10:00am local time. Late bids will be rejected.

For any inquiry you can write to Mike.Bwatete@ktrn.rw. in at least 2 days before the bids submission deadline.

Done on 22nd June 2023

Management



