

4G LTE



**TENDER
NOTICE**

Title: Request for Proposals for DT QOS in Kigali City

Tender No: KTRN/ADMIN/S/2021/09/003

Date of issue: 15th September 2021

Date of bid submission: 27th September 2021

Time of Submission: 4:00PM

Kigali Heights, 7th Floor
Procurement@ktrn.rw | www.ktrn.rw

Also Find us at



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 fibre infrastructure to licensed operators in Rwanda.

Project Summary:

KTRN is looking for a company that fulfills the stated requirements to bid for KTRN Drive Test in Kigali City. The drive test will be categorized in two types;

- A. Walk test inside the building (for the 24 buildings on each floor)
- B. Drive test (35sectors)

The two tests to be conducted will cover:

- CSFB to MTN and Airtel (2phones for each)
- pData test as summarized on the table below table.

Test Sequence	Test	LOCATION		Repetition	Interval	Size	Setup time	Max test duration	Transfer Type	Notes
		Drive Test (Outdoor)	Walk Test (Indoor)							
4G CSFB										
1	MTN to MTN	O	O	infinite	idle (wait): 20s		30s	traffic: 60s	Voice (MO~MT)	
1	Airtel to Airtel	O	O	infinite	idle (wait): 20s		30s	traffic: 60s	Voice (MO~MT)	
4G LTE										
1	Ping	O	O	1	1000ms	32 bytes		30s		Sending Count: 25
2	Wait			1				3s		
3	HTTP DL	O	O	1		10MB	30s	40s	Full	Full file transfer within 40s
4	Wait			1				3s		
5	HTTP UL	O	O	1		10MB	30s	40s	Full	Full file transfer within 40s
6	Wait			1				3s		
7	https://www.google.com	O	O	1			30s		15s	
8	https://m.youtube.com	O	O	1			30s		15s	
9	https://mobile.igihe.com	O	O	1			30s		15s	
10	https://umuryango.rw	O	O	1			30s		15s	
11	https://umuseke.rw	O	O	1			30s		15s	
12	Wait			1					3s	
13	Youtube Video (With MOS for Drive test/Without MOS for building)	O	X	1			30s	45s		Display duration: 45s
	Youtube Video	X	O	1			30s	45s		Display duration: 45s
14	Wait			1				3s		
15	Multiple FTP DL	O	O	1		1GB	30s	20s		4 streams in parallel

16	Wait			1				3s		
17	Multiple FTP UL	O	O	1		1GB	30s	20s		4 streams in parallel
18	Wait			1				15s		
SCANNER										
1	Scanner (Only for Drive test)	O	X	infinite				Continuous		

Drive test technical requirement

1. 4G+ (cat16 or above) capable mobile devices for CSFB drive test and walk test
2. DT tool and analyzer
3. 4G frequency scanner for signal coverage
4. 4G LTE Data scenario test below
5. Around 35 sectors to be tested in Kigali
6. Around 24 buildings to be tested in Kigali
7. Attached words document that explains the scenario
8. Deadline for report submission 14th November 2021

Participation to this tender is open on equal conditions to all companies specialized in the field and qualifying bidder must present the following documents and requirements in their bids;

1. Bid submission form and price schedules and properly organized.
2. Detailed company profile
3. Trade license relevant to the project
4. Proven experience of the similar works
5. Technical proposal to perform the drive test.
6. Three references of similar works executed
7. Prices must include all taxes, warehousing, labor charges and local taxes and transportation

BIDS SUBMISSION:

Well prepared and properly bound bid not exceeding ten megabytes (10MB) must be sent to KTRN not later than 27th September 2021 4:00PM on procurement@ktrn.rw; late bid shall be rejected.

Please note that there will be no public opening due to the COVID-19 pandemic.

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

Done at Kigali, on 15th September 2021

Management

KT Rwanda Networks Ltd.P