

4G LTE

TENDER NOTICE

Title: Tender Energy Services

Tender No: KTRN/ADMIN/S/2021/10/002

Date of issue: 22nd October 2021

Date of bid submission: 12th November 2021

Time of Submission: 10:00AM

Kigali Heights, 7th Floor
Procurement@ktrn.rw | www.ktrn.rw
Also Find us at



1. 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.

2. Details:

In order to deliver high quality and consistent service, KTRN ltd intends to contract qualified companies that will provide supply and replacement of spare parts, preventive maintenance and repair services of AC, Generators as well as Supply and Installation Electrical Materials in different locations country wide.

The service required should be provided by a well- reputable company with standard service operation procedures having experienced staffs in below field;

1. Generator Repair and Maintenance
2. AC Conditioners repair and Maintenance
3. Supply and Installation of electrical materials

1. Qualifications and competences of the company

- Competent companies must have a working experience of 3 years similar services
- Companies must demonstrate the capacity to maintain all sites by submitting Team responsibility and work plan of the service and delivery process;
- Provide at least 3 references of similar accomplished works and one live or running similar contract with other local recognized organizations;
- Companies must have at least 3 permanent staff with Three Years working experience with the company in each of above specialized fields.
- The companies shall provide all 3 staff's CVs signed by holders and their notarized academic or professional certificates;
- Each staff should hold at least AI or equivalent professional certificate in (Electricity, Electronics, Electro-mechanics, Mechanical or any other related field) with minimum of 3 years of experience.
- The qualified company should have at least a workshop with a number of spare parts needed for maintenance and supplies that will be visited before final notification of tender awards.

2. Expected services & deliverables

- Maintenance and repair services
Qualified company will be expected to provide the following services:
- The company will be required to provide maintenance service plan on demand every 4 months within a period of one year, and submit maintenance report at every completion of planned services.
- The qualified bidder is expected to do supply of consumable parts for generators, repair and replacement of faulty equipment as necessary;

- The successful bidder should be able to provide emergency response service within immediate effects whenever necessary;
- The qualified company will be required to fix appointment with ICT site's managers for access to the server room or equipment and submit in advance the work schedule to KTRN's Energy Unit Team Leader for prior site accessibility arrangement; for sites within Kigali access should be arranged by KTRN engineers.
- The qualified company will be responsible for transportation of all related maintenance and repair materials and staffs on sites;
- The qualified company will be responsible of any damage caused on equipment during installation of new systems, maintenance and repair services;
- The qualified company may be required to diagnose, repair or replace parts as necessary; the replaced spare parts should be paid at a competitive price with a warranty not less than six months, but the installation will not incur any additional fee since it is part of the maintenance services;
- After replacement, the KTRN supervisor Engineer must certify the work done immediately and verify if the spare part functions properly and a reasonable warranty shall be provided.
- Minimum required services for Generators maintenance contract:
 - Cleaning the generator cases and inside the cage, air filters, and greasing mechanical parts;
 - Recharging coolant, distilled water in batteries and fixing oil / fuel leakages;
 - Checking and refilling engine oil and replacement of maintenance consumables or parts;
- Any generator component repairs and replacement with related spare parts if necessary;
- Relocation and installation of new generator or component to another site;
- Other mechanical repairs as necessary;
- Other electrical / electronic faults repairs as necessary;
- Other repairs not specifically mentioned in order to keep the generator operational;
- The successful bidder must be able to source and supply spare parts of the various types of generators installed on KTRN sites (FG WILSON, Generator Logic, Pramac; SDMO and Perkins generators and/or small portable generators).
- Removal and replacement of generator unit or component may also be considered when repairs are impossible or uneconomical.

4.4. Interventions and time responses

The diagnostics and the repair will be done on demand and intervention should be in less than 2hrs in Kigali and on the same day in districts out of Kigali since the Company will be contacted on Telephone. The company should provide a 24h/7 telephone number which should be responded on 1st attempt with 3 maximum call attempts. This is needed for emergency support and repairs.

4.5. Deliverables

- The qualified company should provide immediately after completing the assignment a completed work report of the work done on each site and should be verified and approved by the KTRN supervisor engineer.
- The report should be in the form of a job card or logbook, clearly indicating the site name, date, time in and out, status of equipment and problem cause, work done for resolutions and other observation or comments, the company staff name, site's ICT manager name, KTRN staff name supervising the activities, KTRN energy unit Team leader and their signatures.

3. FINANCIAL PROPOSALS

Bidders must quote for unit price and total prices taxes inclusive based on the unit price as grouped in below service categories. Detailed Bill of Materials and price breakdown of components must be included, terms and Conditions must be clearly brought out in the Financial Proposal. Bidders shall quote itemized figures against each of the Items as per technical specifications.

LOT1: Supply of Consumables parts, Repair and Maintenance Services of KTRN Generators

KTRN currently has 2 generators (150 -450 KVA), 26 generators (30 KVA), 24 generators (15 KVA) and 8 generators (22KVA) installed in different sites country wide and the number may be increased

- The financial proposal should indicate the unit cost for Preventive Maintenance or repair Services of those Generators depending on the site location.
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Items	Unit Price per Generator (RWF)			
	In Kigali	Outside Kigali	Rusizi & Nyamasheke	High mountains Rusizi - Karongi
Maintenance, troubleshoot / repair fee for KTRN generator with supplier's Transport				
Maintenance, troubleshoot / repair fee for KTRN generator with KTRN's Transport				

- The financial proposal should indicate separately the cost for supply and installation of the following spare parts compatible with Perkins / GL / SDMO (15KVA & 22KVA)

Spare Parts Compatible with GL / SDMO (15KVA)	Cost for supply and installation
Air Filter	
Oil Filter	
Fuel Filter	
Pre-fuel filter	
Cost of Engine Oil Per litter SEA 40 (unit price per 1 litter)	
Oil Pump	
Fuel Pump	
Battery charger protector	
Generator contactor (Change-over 380V AC / 70A)	
Starter battery 12V / 70 AH	
Belt	
Charge Alternator (Charbon)	
Engine Starter (demarreur)	
Starter Bendix (pignons)	
Water pump	
Generator Control Panel (Controller)	
FAN (Ventilation FAN)	
Electrical Battery Charger 220V	
Electrolyte for battery acid recharge (unit price per 1 litter)	
Generator Radiator unit	
Generator alternator control board	

- The financial proposal should indicate separately the cost for supply and installation of the following spare parts compatible with FG WILSON-P33-1 (30KVA).

Spare Parts Compatible with FG Wilson-P33-1 (30KVA)	Cost for supply and installation
Air Filter	
Oil Filter	
Fuel Filter	
Pre-fuel filter	
Cost of Engine Oil Per litter SEA 40 (unit price per 1 litter)	
Oil Pump	
Fuel Pump	
Battery charger protector	
Generator Change-over switch 380V/ 75 A	
Starter battery 12V / 70 AH	
Belt	
Charge Alternator (Charbon)	
Engine Starter (demarreur)	
Starter Bendix (pignons)	
Water pump	
Generator Control Panel (Controller)	
FAN (Ventilation FAN)	
Electrical Battery Charger 220V	
Electrolyte for battery acid recharge (unit price per 1 litter)	
Generator Radiator unit	
Generator alternator control board	

- The financial proposal should indicate separately the cost for supply and installation of the following spare parts compatible with PRAMAC-GCW30P (30KVA)

Spare Parts Compatible with PRAMAC-GCW30P (30KVA)	Cost for supply and installation
Air Filter	
Oil Filter	
Fuel Filter	
Pre-fuel filter	
Cost of Engine Oil Per litter SEA 40 (unit price per 1 litter)	
Oil Pump	
Fuel Pump	
Battery charger protector	
Engine Starter (demarreur)	
Starter Bendix (pignons)	
Starter battery 12V / 70 AH	
Generator Contactor (Change-over 380V AC / 70A)	
Belt	
Charge Alternator (Charbon)	
Water pump	
Control Panel (Controller)	
FAN (Ventilation FAN)	
Electrical Battery Charger 220V	
Electrolyte for battery acid recharge (unit price per 1 litter)	
Generator Radiator unit	
Generator alternator control board	

- The financial proposal should indicate separately the cost for supply of the following spare parts compatible with GENERATOR LOGIC (30KVA)

Spare Parts Compatible with GENERATOR LOGIC (30KVA)	Cost for supply and installation of new spare parts
Air Filter	
Oil Filter	
Fuel Filter	
Pre-fuel filter	
Cost of Engine Oil Per litter SEA 40 (unit price per 1 litter)	
Oil Pump	
Fuel Pump	
Battery charger protector	
Engine Starter (<u>demarreur</u>)	
Starter Bendix (<u>pignons</u>)	
Starter battery 12V / 70 AH	
Generator Contactor (Change-over 380V AC / 70A)	
Belt	
Charge Alternator (<u>Charbon</u>)	
Water pump	
Control Panel (Controller)	
FAN (Ventilation FAN)	
Electrical Battery Charger 220V	
Electrolyte for battery acid recharge (unit price per 1 litter)	
Generator Radiator unit	
Generator alternator control board	

- The financial proposal should indicate separately the cost for supply and installation of the following spare parts compatible with PERKINS GENERATORS (150 and 450 KVA)

Spare Parts Compatible with Perkins generators (150 & 450 KVA)	Cost for supply and installation
Air Filter	
Oil Filter	
Fuel Filter	
Pre-fuel filter	
Cost of Engine Oil Per litter SEA 40 (unit price per 1 litter)	
Oil Pump	
Fuel Pump	
Battery charger protector	
Generator Change-over switch (contactors) 380V/ 400 A	
Starter battery 12V / 100 AH	
Engine Starter (<u>demarreur</u>)	
Starter Bendix (<u>pignons</u>)	
Belt	
Charge Alternator (<u>Charbon</u>)	
Water pump	
Control Panel (Controller)	
FAN (Ventilation FAN)	
Electrical Battery Charger 220V	
Electrolyte for battery acid recharge (unit price per 1 litter)	
Generator Radiator unit	
Generator alternator control board	

4. CONTRACT ARRANGEMENTS

The service provider should perform the services as specified in the technical requirements in a period of one year, renewable upon satisfaction of the client.

5. Parameters for the selection of the Bidder

Bidders are required to provide a solution based on the Technical Requirements of KTRN Ltd as brought out in technical document. Bidders are encouraged to provide more than one solution where possible.

Selection qualified bidder will be based on the following:

- Soundness of the Proposed technical requirements & services
- Track Record for similar services executed and staff expertise on services required.
- Completeness of the Proposal
- Financial Status of the Bidder
- RDB Certificate
- RRA Tax clearance certificate
- Price & Payment Terms
- Before signing the contract, the winner should present insurance cover as performance guarantee of any risks or damages that could result to KTRN equipment or infrastructure during the contract execution period for the value of 10,000,000 RWF.

Attached is the detailed link of **BOQ for Energy services**

https://www.jobinrwanda.com/job/tender_notice_energy_services

BIDS SUBMISSION:

Well prepared, Proposals are due no later than 10 AM, November 12th, 2021, to be submitted to KTRN email procurement@ktrn.rw. Late offers will be rejected.

Financial Offers MUST be put in separate envelopes, they will remain unopened till after technical evaluation. Bidders who will not qualify for financial evaluations bids shall be returned to then un opened.

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 22nd October 2021.

KT Rwanda Networks Ltd.

