



**KENYA ELECTRICITY TRANSMISSION  
COMPANY LIMITED  
(KETRACO)**

**REQUEST FOR QUOTATIONS**

**KETRACO/PT/007/2016**

**TIER III/IV DATA CENTRE COLOCATION**

Dear Sir/Madam,

**REQUEST FOR QUOTATIONS (RFQ) FOR A TIER III/IV DATA CENTRE COLOCATION SITE FOR DISASTER RECOVER– KETRACO/PT/007/2016**

You are invited to quote for the above solution as per the specification contained in this document. Please note that this is not an order, read the conditions and instructions below before tendering: -

- a) Your quotation should include a full technical proposal and include all costs for a Tier III/IV Data Centre Colocation services. - Monthly Recurrent Charges (MRC) and Once off Charges.
- b) Tenders that do not give all the details specified in the table below will be disqualified.
- c) All tenders must bear our Tender number.

Completed tender documents should be enclosed in plain sealed envelopes bearing no identification of the Tenderer and marked only:-

KETRACO/PT/007/2016– A TIER III/IV DATA CENTRE COLOCATION SITE FOR DISASTER RECOVER

And should be addressed to:-

The Company Secretary  
Kenya Electricity Transmission Co. Ltd.,  
KAWI Complex, Mombasa Road South C, along Red Cross Road, P.O Box  
34942–00100  
NAIROBI – KENYA

Completed Tender documents are to be enclosed in plain sealed envelopes clearly marked with the TENDER NUMBER and TENDER DESCRIPTION as indicated above and be deposited in the tender box at the KETRACO offices, Ground floor, Block B Kawi Complex, Popo Lane, Off Red Cross road, South C, Nairobi to be received on or before 31st May, 2016 at 10.00 a.m.

PETER NJEHIA  
**MANAGER SUPPLY CHAIN MANAGEMENT**

The Kenya Electricity Transmission Company Limited (KETRACO), a state corporation wholly owned by the Government, was incorporated on 2nd December, 2008 under the Companies Act, Chapter 486 of the Laws of Kenya. This was pursuant to Sessional Paper No.4 of 2004 on Energy. Its mandate is to plan, design, construct, operate and maintain new high voltage electricity transmission lines that will form the backbone of the National Transmission Grid, in line with Kenya Vision 2030.

## **1. SCOPE**

The scope of services required includes:

1. Provide a Tier 3 plus colocation facility, built and operated to the highest international specifications, offering carrier neutral choice in Connectivity to collocate KETRACO's IT rack.
2. Provide high levels of security, power, cooling and technical support at the proposed datacentre.

## **2. DATA CENTER SPECIFICATIONS**

The chosen vendor shall have a datacentre that meets the following specifications.

### **Power:**

- Dual power feeds into the building providing 2×1.5 MVA power to the data centre from two different substations via different routes
- N+1 redundant stand by generators with a minimum of 24 hours' autonomy at full capacity
- 2(N+1) redundant UPS system with 30 minutes' battery fully charged
- Redundant A & B power feeds to customer equipment
- Standard power per rack at 1.8KVA, maximum power available at 3KVA

### **Air Conditioning and Cooling:**

- Air-cooled climate control system
- Air conditioning redundancy at N 1 configuration with 24 hours' operation
- Hot aisle and cold aisle zone design
- Humidity maintained at 55%±10%
- Water Leakage Detection System in place

- 750mm raised floor, antistatic with durable floor loading of slab at 800kg/sqm
- Ceiling Height at 3,750mm

**Connectivity:**

- carrier-neutral facility
- carrier circuits from different routes, providing physically secure connections

**Fire Detection & Suppression:**

- Inergen-gas fire suppression system in place
- Very early smoke detection alarms (VESDA) installed throughout facility

**Security System:**

- Independent client card identification access system
- Secure access procedures to ensure that customer nominated staff only gain authorized access to the facility whenever required, day or night
- 24 x 7 x 365 on-site personnel security guards
- CCTV surveillance cameras throughout data centre
- Single-point of entry with mantrap
- Centralized monitoring BMS (Building Management System) in place for fast response and reporting
- Metal detectors at the entrance and security gate
- Customer racks with triple dial key locks installed

**Additional Desired Specifications:**

- Helpdesk and technical support staff
- ISO/IEC 27001 Information Security Management Certified
- Network and system monitoring service
- Routine tape backup service
- Provision of restroom and office space

**FINANCIAL RESPONSE SHOULD CONSIDER THE FOLLOWING  
KETRACO's REQUIREMENTS**

- Collocation 1 Rack (42 U)
- MPLS Link between KETRACO and DATA CENTER Location – 20 Mbps
- Internet Connection for the Servers. – 10 Mbps
- Clear Breakdown of all costs including Monthly Recurrent Costs (MRC) and Once off Setup Costs

## **TECHNICAL COMPLIANCE FOR DATA CENTER SPECIFICATIONS**

Tick where included.

	DATA CENTER SPECIFICATIONS ( As per 2 Above )	VENDOR COMPLIANCE : Indicate Where provided ( Y / N )	REMARKS
<b>A.</b>	Power:		
<b>B.</b>	Air Conditioning and Cooling		
<b>C.</b>	Connectivity:		
<b>D.</b>	Fire Detection & Suppression:		
<b>E.</b>	Security System:		
<b>F.</b>	Additional Desired Specifications		

For any Technical Clarifications please email [dkariuki@ketraco.co.ke](mailto:dkariuki@ketraco.co.ke) or [echuma@ketraco.co.ke](mailto:echuma@ketraco.co.ke)