



**TENDER FOR PROCUREMENT OF PLANT DESIGN, SUPPLY AND INSTALLATION 132 KV  
UNDERGROUND CABLE NANYUKI – RUMURUTI TRANSMISSION LINE  
KETRACO/PT/009/2021**

**MINUTES OF PRE-BID MEETING**

Date: 2<sup>nd</sup> March 2021

Meeting Venue: Teleconference, Ketraco offices, Nairobi

Time: 10.00 a.m. – 11.45 a.m.

<b>Attendees:</b>	<b>Position</b>
<b>KETRACO</b>	
1. Eng. Justin Muna	Ag. Snr Manager, Project Design and Construction
2. Eng. Anthony Musyoka	Snr Manager, Transmission System Planning
3. Eng. Nicholas Kandie	Project Electrical Engineer
4. Njeri Nthiga	Project Electrical Engineer
5. Valentine Moronge	Electrical Engineer, Transmission System Planning
6. Caroline Kiara	Project Procurement

**BIDDERS IN ATTENDANCE**

*For list of attendees please refer Annex 1*

*hmc*

**Agenda:**

- 1) Introduction
- 2) Project Overview
- 3) Permits
- 4) Question and Answer Session
- 5) AOB

**List of Annexes:****Annex 1 – List of Attendees**

Item	Details of Discussion
1.0	<p><b>Introduction</b></p> <p>The meeting was called to order by the Chairman, Eng. Nicholas Kandie with formal introduction of all parties present and thereafter he made opening remarks.</p>
2.0	<p><b>Project Overview</b></p> <p>Briefing was done by Eng. Valentine who informed the participants that this was a project for the completion of the 132kV Transmission line double circuit from Nanyuki to Rumuruti and single circuit from Nanyuki to Isiolo. The underground cable is designated to fit in between Nanyuki substation and Rumuruti/ Isiolo sections that would not be covered by the overhead line. The scope consisted of</p> <ol style="list-style-type: none"><li>a) design, supply, delivery to site, installation and commissioning of transmission lines for 132kV three phase High voltage (HV) underground (UG) cable for the following:<ol style="list-style-type: none"><li>i. Approximately 16.8 km section of Nanyuki – Rumuruti Transmission Line (Double circuit).</li><li>ii. Approximately 4.2 km section of Nanyuki – Isiolo Transmission Line (Single circuit).</li></ol></li></ol> <p>The project would be financed by African Development Bank hence their procedure would be followed. The Bank was required to issue a "No Objection" for the communication /clarification.</p> <p>The interested bidders were required to familiarise themselves with the scope during the site visit and all clarifications sought would be received and responses given in due time to enable the bidders submit a comprehensive functional bid.</p> <p>The clarifications should be sought within the tendering period but not less than fourteen (14) days</p>



	prior to tender closing date.
<b>3.0</b>	<p><b>Permits</b></p> <p>The winning bidder will be required to obtain all the necessary permits needed during the project implementation especially with the local authorities and government agencies for shared services.</p> <p>KETRACO will acquire the right of way (ROW) for the underground cable.</p> <p>The termination of OPGW at the towers and cable structures, including all termination boxes where optical fibres are to be terminated, are included in the scope. Bidder was required to provide for the functionality of the control and protection system for the complete Nanyuki Rumuruti and Nanyuki Isiolo transmission lines which now include underground cable portions</p> <p>The control and monitoring station for the smart anti vandalism surveillance system for the underground cable shall be located at Kenya Air force base in Nanyuki. CCTV and Sensor systems on the cable to be provided by the bidder.</p>
<b>4.0</b>	<p><b>Open Questions (Q) and Answers (Ans) Session by the Bidders</b></p> <p><b>Q1.</b> Understanding of the Scope. Is the existing OPGW and conductor being dismantled and replaced with Underground and fiber optic cable? Is it correct?</p> <p><b>Ans1.</b> No. The existing line is not being replaced, its being completed. This is a completion project. A portion of the line remained incomplete and this is being completed/undergrounded. The successful bidder to complete the line.</p> <p><b>Q 2.</b> What percentage of scope is this? Information on existing OPGW?</p> <p><b>Ans2.</b> There are some towers (standalone) that had already been put up and may need to be removed. The OPGW will be connected to new underground fiber cable provided by the bidder.</p> <p>All necessary information is provided in the bid. In case any information is missing, ask for it in the clarification.</p> <p><b>Q3.</b> Elaborate on exact Location and Timing especially for those bidders coming from Nairobi to keep time</p> <p><b>Ans3.</b> As provided in the bid document, the Site Visit meeting will be held at Nanyuki Substation near Nanyuki Town at 8.00 a.m. in the morning.</p> <p><b>Q4.</b> Requested Contacts for Bidders to enable locate the exact Substation location</p> <p><b>Ans4.</b> The Telephone number of the contact person to be shared before end of the Meeting. The bidders were informed that Nanyuki is a live Substation hence there would be no operational activities going on. This requires that the bidders observe safety measures by donning the protective safety gear/equipment. The minimum number of staff from each bidding firm would be allowed during the visit.</p>



	<p><b>Q5.</b> UAV and Data collection that appear in the Specifications but are missing in the price schedule</p> <p><b>Ans5.</b> The clarification has been received and responses have been compiled. Ketraco is awaiting approval from the Bank prior to issuing the response.</p> <p><b>Q6.</b> Whether the Bid Bond can be sent by International Bank Company &amp; International Bank and are SPV's allowed for Non-National Firms</p> <p><b>Ans6.</b> The purpose of the Meeting was to have a general understanding of the project. All enquiries would be answered officially</p> <p><b>Q7.</b> General Questions/ Staff Qualification, Bachelor's Degree and/or Equivalent should be admissible</p> <p><b>Ans7.</b> Clarifications sought ought to be sent by bidders to save time and allow collation of responses to all the questions</p> <p><b>Q8.</b> Who is the Consultant for the Project?</p> <p><b>Ans8.</b> The Consultant is Tractebel GmbH</p> <p><b>Q9.</b> The ROW Clearance be responsibility of Ketraco?</p> <p><b>Ans9.</b> Yes</p> <p><b>Q10.</b> What is the Maximum Induced Voltage Required on Normal and Extreme Conditions? Type of Metallic Shield for 132kV cable and List of Approved Civil Sub-Contractors (if possible)? CIP Quote in USD &amp; KSHS, List of Testing and Commissioning Suppliers, Custom Terms such as Delivered to Site etc.</p> <p><b>Ans10.</b> There's no list of prequalified sub-contractors that Ketraco has. All other queries will be addressed in the Response to Clarification.</p> <p><b>Q11.</b> The two separate projects have not illustrated the circuit rating requirements for the Single or Double Circuit Line. Is it stipulated by Ketraco, will this be provided for the different lines. The cable design, is alternative cable design allowed instead of the metallic sheath specified in the tender document</p> <p><b>Ans11.</b> The line ratings are Standard for the 132kV Line as stipulated in the Tender document. Each line should be able to carry the full load. No Alternative Bids Allowed</p> <p><b>Q12.</b> The Tender Closing date will it be extended</p> <p><b>Ans12.</b> There is no such extension planned as yet.</p> <p>Closing Remarks were made by the Representative Supply Chain Department and Ag. Snr Manager, Project Design and Construction.</p>
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<b>5.0</b>	<b>AOB</b>  There being no other business, the meeting ended at 11.45 a.m.

# SIGNATURE


For KETRACO

Eng. 

Date 

For



Date 



Annex 1

Title	Name	Email Address	Company	Date
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