

Notice to all Bidders.

**TENDER ADDENDUM AND CLARIFICATION No. 3 (TAC 3)**

**RE: Procurement of Plant Design, Supply, and Installation Services for Extension of Existing 132/33 kV Narok and Bomet Substations (KETRACO-PT-001-2024-LOT 2B)**

The following amendments are made to the specified provisions for the bidding documents for procurement of Plant Design, Supply, and Installation Services For Extension of Existing 132/33kV Narok and Bomet Substations (KETRACO-PT-001-2024-LOT 2B).

Save where expressly amended by the terms of this clarification, the Principal Tender Document shall continue to be in full force and effect.

Find herein Tender Addendum and Clarification No. 3, consisting of ten (10) pages into the Principal Tender Documents as attached. This document should be returned along with dully filled Form of Tender.

All other terms and conditions of the Bidding document remain the same.

  
**CAROLINE KIARA**

**Ag. SENIOR MANAGER, SUPPLY CHAIN**

Tender Addendum and Clarification No. 3 of KETRACO/PT/001/2024-Lot 2B has been received and incorporated in the Tender Documents.

**Name of Tenderer (in \_\_\_\_\_  
block letters):**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Signed for the Tenderer  
by (Name in block letters):** \_\_\_\_\_

**In the office bearer  
capacity of:** \_\_\_\_\_





**A. Tender Clarification No. 3 (TAC 3)**

Sr. No.	Reference	Subject	Bidder's Specific Query	KETRACO Response
1	Time extension		<p>We refer to the tender;                      IFB OCBI No: KETRACO/PT/001/2024-Lot 2B:                      Procurement for Design, Supply, and Installation Services                      for Extension of Existing 132/33 kV Narok and Bonnet                      Substations.</p> <p>We hereby confirm that we will be submitting our bid on the above tender.</p> <p>We have been diligently working on preparing our bid. However, due to the short notice since the site visit which was held on the 24 - 25th April 2024, we kindly request for an extension of 4 weeks from the current closing date - 21st May 2024, to enable us submit a comprehensive and competitive proposal.</p>	<p>Refer to TAC 1 for the revised submission date</p>
2	Time extension		<p>With reference to the tender subjected above, we hereby request for a clarification on the following issues.</p> <p>1. kindly give us a one-month extension from the current deadline 21st May, 2024 to 21st June, 2024 to allow us to prepare a fully perfect documents.</p>	<p>Refer to TAC 1 for the revised submission date</p>
3	Technical Data sheet		<p>Item No. 15.1.1 of 132/33kv power transformer's technical data sheet, it shows that 'HV winding/bushing is 75 kV peak / kV peak'. Kindly clarify it.</p>	<p>Item 15.1.1 in the schedules of technical info does not indicate 75 kV value. However, the value indicated in the schedules of technical Info is for both the winding and the bushing requirement i.e. peak Values. Refer to the schedules of technical info for the specific values</p>





4	Technical data sheet		<p>Item No. 18.1 of 132/33kv power transformer's technical data sheet, it shows that 'No load losses at 75 °C, rated frequency and rated voltage on principal tapping is Max. 12kW'. Kindly confirm it.</p> <p>We are writing to request an extension for the tender submission deadline for originally scheduled for 21st May 2024. Due to the public holiday in China, we have encountered some unexpected delays in finalizing our proposal, and we believe that a brief extension of 14days would allow us to present a more comprehensive and competitive bid and allow us to prepare the bid security also get required document from manufacture.</p> <p>BOQ 21--Trainings In the training part, the number of BOQ provided by ketraco is 0, but there are detailed training arrangements in Part 2- Employer's Requirements 21.3. Do we need to provide a detailed training quotation ?</p> <p>What quality is the diesel on site? Speaking of the diesel purification pump, should it be equipped with a diesel filter? Kindly clarify it.</p> <p>It mentions "The bay protection and control equipment shall be located within a dedicated relay panel." However, According to the information from site visit, the control and protection for existing bays are not located within dedicated panel. Please confirm the bay control unit can be located in the protection panel for both 132kV and 33kV level.</p> <p>Confirmed</p>
5			<p>Refer to TAC 1 for the revised submission date</p>
6	Section IV- Price Schedules & Part2-Employer's Requirments 21.3	Section IV- Price Schedules 21--Trainings Part2-Employer's Requirments 21.3 Page2-55	<p>Refer to TAC 2 Item no. 2</p>
7			<p>The clarification sought is not clear. Refer to the technical specifications.</p>
8	Section VI. Employer's Requirements- A		<p>Specifications in the employer's requirement shall prevail. The position of the bay control unit shall be as illustrated in the Protection single line diagram for Bomet substation and Protection single line diagram for Narok substation bid drawings.</p>





9			It requires draw-out type for the new supplied AC and DC panels, which is different with the existing panels. Please confirm whether the new supplied AC and DC panels need to be draw-out type or not.	Draw out type shall not be mandatory however this is an EPC contract, and this will be based on the bidder's design in compliance to the scope of work and technical requirements subject to Employer's / Employer's representative approval.
10			Please clarify the existing 400V AC system will still be used or be replaced by new 400V AC system.	Refer to the Section VII Employer's requirement A clause 1.3.1 (u) and 1.3.2 (s) and the price schedules for Bomet substation and price schedules for Narok substation.
11			Please clarify the existing computers will still be used or be replaced by new SCADA system.	Refer to TAC 2 item no 50
12			As there is no 132kV Transformer bay VT for BCU voltage input and the 132kV busbar VT is only to be required one phase. Please confirm the quantity of 132kV busbar VT.	The quantities indicated in the price schedules are correct i.e. 6 CVT's for the 2 new line bays and one 1 CVT for the new busbar 2
13	Section IV- Price Schedules -Bomet 132-33kV SS&Section IV- Price Schedules -Narok 132-33kV SS	13.15 Power transformer foundation, Plinth and oil drain pits (including: excavation, backfill, reinforced concrete, lean concrete, formatting, grout, reinforcement, metal works and fittings and others)	This quantity of Power transformer foundation is two, but the power transformer quantity is one, please clarify.	Refer to the revised price schedules in TAC 2.
14	Section IV- Price Schedules -Bomet 132-33kV SS&Section IV- Price Schedules -Narok 132-33kV SS	13.6 Auxiliary Transformer foundation, Plinth and oil drain pits (including: excavation, backfill, reinforced concrete, lean concrete, formatting, grout, reinforcement, metal works and fittings and others)	This quantity of Auxiliary transformer foundation is two, but the Auxiliary transformer quantity is one, please clarify.	Refer to TAC 2 item no 44

15	Section IX – Particular Conditions of Contract	PCC 14. Taxes and Duties	<p>Considering that the quotation is CIP, the buyer is responsible for customs clearance, and the tax exemption in PCC 14.3, can we assume that the quotation only needs to take into account 3% withholding tax and no other taxes?</p>	<p>Exemptions are applicable for VAT as provided for under the First Schedule to the VAT Act 2013. Others include exemptions from Railway Development Levy (RDL), Import Duty, Excise Duty, and Import Declaration Form (IDF) Fees. The Contractor and their subcontractors (if any) shall be liable for payment of withholding tax as applicable in Kenya. Nothing in this clause shall prevent the Employer from withholding any taxes that the Employer is required under the laws of the Republic of Kenya to withhold. Where payments for the contract price are made directly to the Contractor, the Contractor shall make the necessary arrangements with the Employer to ensure that withholding tax is remitted to the Kenya Revenue Authority. In accordance with Treasury Circular No.15/2019 dated 11th December, 2019. Withholding tax is not an add tax on but should be treated as an advance tax on corporation tax. Please note withholding tax rates are prescribed on KRA website <a href="https://www.kra.go.ke">https://www.kra.go.ke</a></p>
16	Section VII – Employer's Requirements	Contractor's Representative and Key Personnel Page 182	<p>The description of special experience in the requirements is that the personnel have experience in transmission line projects. Is it OK to have at least three 132kV substation projects, including at least one in Africa? Because considering this is a substation project</p>	<p>Refer to Addendum No. 2 (TAC 2) Item no 8</p>



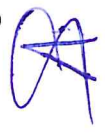
17	Request for time extension		<p>We had attended the pre-bid meeting on 23<sup>rd</sup> April, 2024 in KETRACO and participated in Site Visit on 24<sup>th</sup> April, 2024 at Narok and Bomet Substations In order to obtain all the requirements and complete our perfect bidding documents for your further assessment, We humbly request for an extension of one month to submit the bidding documents, that is the final submission will be submitted on 21st June, 2024.</p> <p>We refer to the tender; IFB OCBI No: KETRACO/PT/001/2024-Lot 2B: Procurement for Design, Supply, and Installation Services for Extension of Existing 132/33 kV Narok and Bomet Substations.</p> <p>We hereby confirm that we will be submitting our bid on the above tender.</p> <p>We have been diligently working on preparing our bid. However, due to the short notice since the site visit which was held on the 24 - 25th April 2024, we kindly request for an extension of 4 weeks from the current closing date - 21st May 2024, to enable us submit a comprehensive and competitive proposal.</p> <p>Regarding the bid security, we understand that Ketraco can accept bid security which issued directly by a reputable foreign bank, such as Bank of China. We think it is not mandatory to transfer through a local bank in Kenya, pls confirm?</p> <p>In the specification, it mentioned 'A fill point cabinet shall be provided'. Kindly clarify whether it is configured based on the Fuel tank replenishment tank or not?</p>
18			<p>Refer to TAC 1 for the revised submission date</p>
19	Section II – Bid Data Sheet	ITB 20.1	<p>All bid security from foreign banks must be done through a local correspondent bank</p>
20			<p>The fill point cabinet shall be provided for replenishment of the daily service tank using both oil purge pumps and oil tankers. Refer to Section VII Employer's Requirement B Clause 11.9.6</p>



21	<p>Part 2-E-2-Narok-Schedules of Technical Info_Rev.1  I) FAULT MONITORING SYSTEM  Part 2-E-3-Bomet-Schedules of Technical Info_Rev.1  I) FAULT MONITORING SYSTEM</p>	<p>I) FAULT MONITORING SYSTEM</p>	<p>In our understanding, fault recorder function is required in protection relays. if protection relay can support this function, the bidders don't need to provide separate Fault recorder, Please kindly confirm.</p>	<p>Confirmed</p>
22	<p>Part 2-E-2-Narok-Schedules of Technical Info_Rev.1  h)PROTECTION, CONTROL AND METERING  Part 2-E-3-Bomet-Schedules of Technical Info_Rev.1  h)PROTECTION, CONTROL AND METERING</p>	<p>Breaker Failure Protection (with End Fault)</p>	<p>We presume that 132kV/33kV breaker failure protection can should be integrated in the bus bar protection relay and no need to supply separate breaker failure protection relay.  Please kindly confirm.</p>	<p>Refer to the Protection Single Line Diagram for Narok substation and Protection Single Line Diagram for Bomet substation bid drawings that indicate the protection philosophy to be adopted.</p>
23	<p>Section IV- Price Schedules -Bomet 132-33kV SS  7.3, 7.4  Section IV- Price Schedules -Narok 132-33kV SS  7.3, 7.4</p>	<p>7.3 Bay Control and Protection Units (BCU/BCPU)(with all required functions as per PSLD)  9 No.  7.4 Bay Control Panels  3 No.</p>	<p>As per site survey, 132kV and 33kV are basically used bay control and protection unit, so here is repeated with the BOQ of protection system.  At the same time, there is no need for a separate control panel which should be a control &amp; protection panel.</p>	<p>The quantities indicated in the price schedules are correct and shall prevail.  Refer to the Protection Single Line Diagram for Narok substation and Protection Single Line Diagram for Bomet substation bid drawings that show the number of Bay control units and number of bay control panels.</p>



24	Drawing		<p>Kindly Please provide the proposal Layout Plan of Substation of double busbar.</p>	<p>This is an EPC contract, and the bidder is to develop the layout drawings as per the scope of works and technical requirements for the Employer /Employer's representative approval</p> <p>Refer to revised Part 2-D in Addendum No. 2 for the existing layout drawings.</p>
25	<p>Part 2-E-3-Bomet-Schedules of Technical Info_Rev.1, Page 305/351</p> <p>Part 2-E-2-Narok-Schedules of Technical Info_Rev.1, Page 305/351</p>	<p>The technical data sheet has provided the Transformer Nitrogen Injection and Oil Evacuation Fire Protection System and Hydrants and Sprinkler Systems</p>	<p>Kindly Please clarify which fire protection system will be adopted in this project</p>	<p>Refer to TAC 2 item no 147, TAC 2 item no 160, TAC 2 item no 161, TAC 2 item no 162, TAC 2 item no 173, TAC 2 item no 174, TAC 2 item no 175</p>
26	<p>Part 2-E-3-Bomet-Schedules of Technical Info_Rev.1-E. Schedules of Technical Information</p>	<p>q)HEATING VENTILATION AND AIR CONDITIONING (HVAC)</p>	<p>From the Part 2-Employer's Requirements &amp; Price Schedules, there are no the item of HVAC, We presume that there are no need the HVAC-Air conditioning based on the scope of work. Please kindly confirm.</p>	<p>Refer to Section VII Employer's requirements A clause 1.1 and revised Price Schedules for Narok substation Schedule 4 line item 13.25 and revised Price Schedules for Bomet substation Schedule 4 line item 13.25 in Addendum no. 2 (TAC 2).</p>
27	<p>Section IX – Particular Conditions of Contract</p>	<p>PCC 14:Taxes and Duties</p>	<p>Considering that the quotation is CIP, the buyer is responsible for customs clearance, and the tax exemption in PCC 14.3, can we assume that the quotation only needs to take into account 3% withholding tax and no other taxes?</p>	<p>Refer to response of clarification no. 15 of this TAC 3</p>



28	Section VII –Employer's Requirements	Contractor's Representative and Key Personnel Page 182	<p>The description of special experience in the requirements is that the personnel have experience in transmission line projects.</p> <p>Is it OK to have at least three 132kV substation projects, including at least one in Africa?</p> <p>Because considering this is a substation project</p>	<p>Refer to Addendum No. 2 (TAC 2) Item no 8.</p>
29			<p>Does the engine require dual starting mode of air and electric motors? Kindly clarify whether 200kW Cummins land-based unit applies the air starting mode or not.</p>	<p>Refer to Section VII Employer Requirements B clause 11.9.10</p> <p>"Three (3) compressors arranged in parallel shall be provided for the diesel generator units.....Two compressors shall be motor driven and the third (back up) compressor shall be driven by a battery start diesel engine with provision for manual cranking"</p> <p>Bidder shall ensure that the diesel generator complies with the requirements irrespective of the make or type.</p>
30			<p>Kindly clarify whether the silencer and exhaust piping shall both be stainless steel or not.</p>	<p>Confirmed. Refer to Section VII Employer Requirements B clause 11.9.12</p> <p>"Exhaust piping as well as the silencer shall be stainless steel"</p>
31			<p>There is no Diesel engine single-line diagram in Part 2-D. kindly share it. And kindly clarify whether the diesel generator is in single operation mode or not</p>	<p>Regarding the generator drawing, this is an EPC contract, and this will be based on the bidder's design in compliance to the scope of work and technical requirements. The same shall be subject to Employer/Employer's representative approval.</p> <p>Regarding the generator's operating mode, refer to Section VII Employer's requirements A, clause 1.3.1 (c) and 1.3.2</p>



			(c) and Section VII Employer's requirements B, clause 11.8.4.11
32		Low-voltage diesel generator sets do not have differential protection functions, and differential protection devices are generally only installed on high-voltage generator sets. Kindly clarify whether the project need the differential protection function or not.	The diesel generator shall have the following protections as a minimum: 1. Overfrequency/Under frequency 2. Overcurrent 3. Overload 4. Reverse power 5. Overvoltage 6. Diode failure.
33		The project requirement is for a single 250kVA diesel generator. Reverse power protection only occurs when multiple units are paralleled. There is no reverse power protection for a single unit. Kindly clarify the reverse power and diode failure.	Refer to response of clarification no. 32 of this TAC 3.  Reverse power and Diode failure protection are to be provided as stated.
34		In the specification, it mentioned 'Low water level detection equipment complete with relays shall be fitted to the generator unit'. Kindly clarify the configuration standards.	This shall be as per manufacturer's design however this will be based on the bidder's design in compliance to the scope of work and technical requirements. The same shall be subject to Employer/Employer's representative approval.



