

**Notice to all Bidders.****TENDER ADDENDUM AND CLARIFICATION No. 07 (TAC 07)****RE: EPC Tender for 220/132kV New Kilifi & Extension of Existing 220/33kV Malindi Substations****IFB OCBI No: KETRACO/PT/029/2025-Lot 4**

The following amendments are made to the specified provisions for the bidding documents for EPC Construction for the Design, Supply, and Installation Services for 220/132 kV New Kilifi substation & Extension of Existing 220/33 kV Malindi substation (IFB OCBI No: KETRACO/PT/029/2025-Lot 4).

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 the ADDENDUM and CLARIFICATION No. 7, consisting of Sixteen (16) 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 Request for Proposal document remains the same.

**JANE VULIGWA****SENIOR MANAGER, SUPPLY CHAIN**

Tender Addendum and Clarification No. 7 of IFB OCBI No: KETRACO/PT/029/2025-Lot 4 has been received and incorporated in the Tender Documents.

<b>Name of Tenderer (in block letters):</b>	
<b>Signature:</b>	
<b>Date:</b>	
<b>Signed for the Tenderer by (Name in block letters):</b>	
<b>In the office bearer capacity of:</b>	

#### **A. Addendum no. 7**

**1. BOQ- Price Schedules**

The Price schedules have been revised. Refer to attached revised Price schedules for Section IV-Price Schedules-Malindi 220-33kV SS-Rev 05 and Section IV-Price Schedules-New Kilifi 220-132kV SS-Rev 05. Bidders are required to fill in the new Price Schedules as these reflect all the changes made by the Employer in line with the Tender Addendum No.7 and Clarification.

**2. Auxiliary Transformers TDS**

The Technical Datasheet of 33/0.415kV and 11/0.415kV Auxiliary Transformers has been revised and enclosed with TAC 7

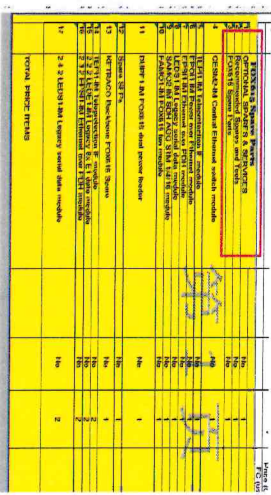
**3. Section III, 4.2(a) Specific Experience**

Part 1 & 3, Section III, 4.2(a) Specific Experience has been amended and enclosed with TAC 7

**Tender Addendum Clarification No: 07**

No	Reference	Subject	Bidder's Specific Query	KETRACO Response
1	Tender No. KETRACO/PT/029/2025-Lot 4 – Design, Supply, Installation, Testing and Commissioning of New Kilifi 220/132kV Substation and Expansion of Malindi 220/33kV Substation	Request for Clarification on Equipment Substitution – FOX615 (ABB) vs. Loop O9500	<p>Dear Procurement Manager,</p> <p>We hereby submit this formal request for clarification regarding equipment substitution in the above-mentioned tender, in accordance with ITB Clause 7.1 of the Tender Document.</p> <p><b>1. Background</b></p> <p>In Section IV – Price Schedules – Telecoms and Protection works (Rabai, New Bamburi &amp; Mombasa) , Item 4 “SCADA, TELECOMMUNICATION &amp; NCC/RCC” specifies the supply of FOX615 (ABB) multi-service multiplexer equipment for installation at Rabai 220kV/132kV, New Bamburi 132kV, New Kilifi 132kV and New Mombasa Cement 132kV substations. This equipment is also referenced in Part 2A and Part 2B – Lot 4 – Malindi and Kilifi Substations, Section 1.3.2 “Extension Works at Malindi 220/33kV Substation – SCADA &amp; TELECOMMUNICATION SYSTEM”.</p> <p><b>2. Substitution Proposal</b></p> <p>We propose to substitute the specified ABB FOX615 with Loop O9500 (Loop Telecom) Integrated Multi-service Access Platform (IMAP). Both devices are industrial-grade, power-system-certified multi-service transmission platforms designed for substation communication networks, with fully equivalent technical functionality to meet the project's requirements, including:</p> <ul style="list-style-type: none"> <li>- Support for SDH/MPLS-TP hybrid transmission, compatible with KETRACO's existing backbone network;</li> </ul>	<p>Refer to item No 67 of TAC4. Ease of integration to the existing FOXMAN NMS is key requirement</p>




			<p>- Built-in IEEE C37.94 interfaces for relay protection signal transmission, and full compliance with IEC 60870-5-104, IEC 61850 GOOSE and Modbus TCP protocols for SCADA/NCC/RCC integration;</p> <p>- Integrated voice interfaces for station telephony, and a dedicated network management system for centralized monitoring, configuration and alarm management;</p> <p>- Industrial-grade design for substation environments (high EMI, wide temperature range, high humidity), fully meeting the service conditions specified in the Employer's Requirements.</p>	
2	Time Extension	<p><b>3. Request for Clarification</b></p> <p>We hereby formally request KETRACO to confirm whether the Loop O9500 is acceptable as a full, functional equivalent replacement for the specified ABB FOX615 in this tender, without any adverse impact on technical evaluation or bid compliance.</p> 	<p>We refer to the recent extension of the bid submission deadline to 21 April.</p> <p>Due to the fact that a significant number of technical clarifications have only recently been issued, and several other important clarifications are still pending, we are currently in the process of thoroughly reviewing their impact on our technical proposal.</p> <p>In particular, these clarifications involve substantial revisions to technical specifications,</p>	Refer to Addendum No. 8 of TAC 8

			<p>equipment parameters, and design considerations, which directly affect supplier quotations. Consequently, additional time is required for equipment manufacturers to review, adjust, and resubmit their quotations accordingly. In order to ensure the accuracy, completeness, and competitiveness of our bid, we kindly request a further extension of the bid submission deadline by four (4) weeks.</p>	
3	<p>Section III, 4.2(a) Specific Experience (Page 70)</p>	<p>a) Participation as contractor, joint venture member, management contractor, or subcontractor. in at least two (2) contracts within the last eight (8) years, each with a value of at least Twenty Seven Million US Dollars (USD 27,000,000), that have been successfully completed and that are similar to the proposed Plant and Installation Services.</p> <p>The similarity of the contracts shall be based on the following: Design, supply, construction, testing and commissioning of AIS 220/33kV and above substations.</p> <p>These works must have been carried outside its country and at least one (1) must have been carried</p>	<p>This clause disqualifies competent African-domiciled EPC contractors who have successfully completed AIS 220/33 kV substation projects of equivalent or higher value WITHIN their home country . solely because the work was not performed outside their borders. This is discriminatory against Regional Member Country (RMC) firms and contradicts AfDB procurement principles.</p> <p><b>Proposed Amendment</b></p> <p>" . Works carried out in the bidder's home country shall be acceptable provided the home country is within Sub-Saharan Africa."</p> <p><b>Justification</b></p> <p>1. AfDB Procurement Policy Framework (2015. Rev. 2023) —</p> <p>Article 4: Eligibility mandates open competition among firms from RMCs. Requiring out-of-country experience effectively bars capable African EPCs whose primary market is domestic.</p> <p>2. The project is located in Kenya (Sub-Saharan Africa). Requiring experience outside the bidder's home country, when that country is itself in Sub-Saharan Africa, adds no quality assurance value.</p>	<p>Refer to item No 3 of Addendum 7</p>

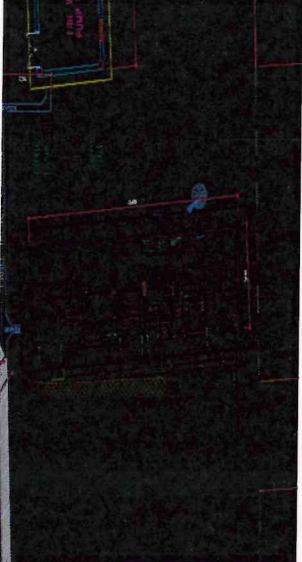
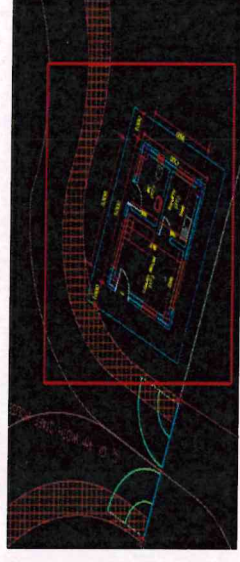
		<p>out in Sub-saharan Africa.</p> <p>The works must have been completed prior to bid submission. These criteria must be evidenced by a completion certificate issued to the bidder.</p>		
4	ITB 23.1	<p>The deadline for Bid submission is: Date: 21-Apr-2026 Time: 10.00 am EAT (East African Time)</p>	<p>We are kindly request your consideration in granting us an extension of 3—4 weeks beyond the current deadline for this tender. This additional time will enable us to ensure the highest quality and completeness of our submission, aligning with your expectations and project requirements.</p>	Refer to Addendum No. 8 of TAC 8
5	Time Extension	<p>Application for Extension of Bid Submission Deadline for Lot 4: Design, Supply, and Installation Services for New Kilifi 220/132 kV Substation and Extension of Malindi 220/33 kV Substation</p>	<p>We are writing to formally request an extension of the bid submission deadline for the above-mentioned project, Lot 4. As per the original tender document, the bid submission deadline is set for April 21st. We kindly ask for a two-week extension, with the new deadline rescheduled to May 5th.</p> <p>The reason for this request is that the clarification on the tender details was provided relatively late. After receiving the clarification documents, we immediately initiated the quotation process with our transformer suppliers. However, the transformer is a core component of the project, and the suppliers require sufficient time to conduct technical parameter verification, cost calculation, and finalize the quotation. Without adequate time for the transformer suppliers to provide accurate and detailed quotations, we will not be able to submit a comprehensive, compliant, and competitive bid that meets the project's technical and quality requirements.</p> <p>We fully understand the importance of adhering to the original timeline and apologize for any inconvenience this request may cause. We assure you that we are making every effort to expedite the</p>	Refer to Addendum No. 8 of TAC 8

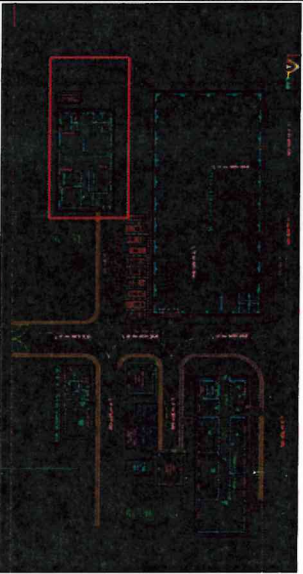


			<p>quotation process and will submit a high-quality bid promptly once the extension is granted.</p> <p>We sincerely hope that Kenya Power and Lighting Company Limited will consider our reasonable request favorably. Should you require any further information or clarification regarding this application, please do not hesitate to contact us at [Insert Contact Information].</p> <p>Thank you for your understanding and support.</p> <p>Dear Sir/Madam,</p> <p>We refer to Clause 2.4 "Litigation History" in the bidding document.</p> <p>We have noted that there appears to be an inconsistency in the time period requirements under this clause:</p> <ul style="list-style-type: none"> <li>• The main provision states: <i>"No consistent history of court/arbitral award decisions against the Bidder since 1st January 2015."</i></li> <li>• However, Note 3 below requires the Bidder to provide information on litigation or arbitration <i>"over the last five years."</i></li> </ul> <p>As the above two timeframes are not aligned, we kindly request the Employer to clarify which time period shall prevail for the purpose of evaluation:</p> <ul style="list-style-type: none"> <li>• From <b>1 January 2015 to present</b>, or</li> <li>• The <b>last five (5) years</b> from the bid submission date.</li> </ul> <p>We would appreciate your clarification to ensure full compliance in our submission.</p>	<p>Clause 2.4-Litigation History From 1 January 2015 to present Shall be provided with Form CON – 2 while Note 3 shall be provided along with Letter of Bid. Follow the bid requirement.</p>
6	Clarification on Clause 2.4 – Litigation History			

7	Malindi 220/132kV Substation	Section IV-P.S-Malindi 220-33kV SS-Rev 01 07-SITE PLAN (SCOPE OF WORK) DRAWING	In the document Section IV-P.S-Malindi 220/33kV SS-Rev 01, the Fire water pump house area is indicated as 40m <sup>2</sup> , whereas in the Site Plan (Scope of Work) drawing, the Fire water pump house area is shown as 48 m <sup>2</sup> . Which one shall prevail? Please kindly clarify.	40m <sup>2</sup> is confirmed. Follow bid requirement as the size of Fire water pump house area is 40m <sup>2</sup> on both the referred documents (07-SITE PLAN (SCOPE OF WORK) DRAWING and Section IV-Price schedule-Malindi 220-33kV SS-Rev 01 item 13.26.1 of Schedule 4)
8	Malindi 220/132kV Substation	Section IV-P.S-Malindi 220-33kV SS-Rev 01 07-SITE PLAN (SCOPE OF WORK) DRAWING	In the document Section IV-P.S-Malindi 220/33kV SS-Rev 01, the diesel generator room area is indicated as 24 m <sup>2</sup> , whereas in the Site Plan (Scope of Work) drawing, the diesel generator room area is shown as 40 m <sup>2</sup> . Which one shall prevail? Please kindly clarify.	40m <sup>2</sup> is confirmed. Refer to item No 1 of Addendum 7, Section IV-Price Schedules-Malindi 220-33kV SS-Rev 05 item 13.24.1 of schedule 4
9	Malindi 220/132kV Substation	07-SITE PLAN (SCOPE OF WORK) DRAWING.	<p>Please confirm whether the dismantling of the terminal tower within the red-marked area is included in the Contractor's scope of work.</p> 	Confirmed. Refer to item 26 of TAC 4 for the detail scope of works.



10	Malindi 220/132kV Substation	07-SITE PLAN (SCOPE OF WORK) DRAWING Section IV-P.S-Malindi 220-33kV SS-Rev 01	<p>It has been observed that the Guard House with Telecom Collocation Room is not indicated in <i>Section IV-P.S-Malindi 220/33kV SS-Rev 01</i>. Kindly confirm whether this is an omission and, if so, please update the BOQ accordingly.</p> 	Refer to item No 1 of Addendum 7, Section IV-P.S-Malindi 220-33kV SS-Rev 05, item 13.33 of Schedule 4. The Guard House with Telecom Collocation Room is included.
11	Malindi 220/132kV Substation	07-SITE PLAN (SCOPE OF WORK) DRAWING Section IV-P.S-Malindi 220-33kV SS-Rev 01	<p>It has been observed that the Guard House is not indicated in <i>Section IV-P.S-Malindi 220/33kV SS-Rev 01</i>. Kindly confirm whether this is an omission and, if so, please update the BOQ accordingly.</p> 	Refer to item No 1 of Addendum 7, Section IV-P.S-Malindi 220-33kV SS-Rev 05, item 13.37 of Schedule 4. The Guard House is included.

12	KILIFI 220/132kV Substation	SITE PLAN (SCOPE OF WORK) DRAWING	<p>It has been observed that the Office room is not indicated in Section IV-P-S-Kilifi 220/33kV SS-Rev 01. Kindly confirm whether this is an omission and, if so, please update the BOQ accordingly.</p> 	<p>Refer to item No 1 of Addendum 7, Section IV-Price Schedules-New Kilifi 220-132kV SS-Rev 05, item 17.3.3.1 and 17.3.3.2 of Schedule 4. The Office room is included.</p>
13	Part 2A and Part 2B- Lot 4 - Malindi and Kilifi Substations-D. SCHEDULE OF TECHNICAL INFORMATION- 4. 220/132kV POWER TRANSFORMER/ 5. 220/33kV POWER TRANSFORMER	16.2 type of bushing 16.13 Creepage distance	<p>OIP type is usually used for high voltage bushing, and MV bushing is normally solid porcelain type, please kindly confirm 11kV and 24kV bushing shall be solid porcelain type;</p> <p>Based on creepage is 31mm/kV, the minimum creepage distance for 24kV bushing shall be 31mm/kV*24kV=744mm, please confirm whether we could follow this data.</p>	<p>1. Not Confirmed. Follow the bid requirement 2. Not confirmed. Follow the bid requirement</p>
14	Part 2A and Part 2B- Lot 4 - Malindi and Kilifi Substations-D. SCHEDULE OF TECHNICAL INFORMATION- 4. 220/132kV POWER TRANSFORMER/ 5. 220/33kV POWER TRANSFORMER	23.12 Type of Insulation of winding (uniform/graded)	<p>According to item 15 the different insulation level between HV, MV, TV and Neutral winding and bushing, please confirm the type of insulation for LV and TV winding/bushing shall be garded rather than uniform.</p>	<p>Not confirmed. Follow the bid requirement</p>




15	Part 2A and Part 2B- Lot 4 - Malindi and Kilifi Substations-D. SCHEDULE OF TECHNICAL INFORMATION- 5. 220/33kV POWER TRANSFORMER	8.3 At first stage of cooling; 8.4 At second stage of cooling:	The capacity of power transformer at ONAN is the same as ONAF which is not appropriate, please confirm the power rating of transformer at ONAN is 80% of ONAF according to related IEC standard	Refer to Item 77 of TAC 3
16	Part 2A and Part 2B- Lot 4 - Malindi and Kilifi Substations-D. SCHEDULE OF TECHNICAL INFORMATION- 7. EARTHING TRANSFORMER	2.3 Whether switch-fuse unit is required	In the Technical schedule of earthing transformer, it is mentioned that fuse is needed, but in the SLD of NEW Kilifi substation, it shows that the switch fuse is at the HV side of earthing transformer. Please confirm whether the switch-fuse is needed. I Hope this letter find you well. Thank you so much for your clarification and addendum, we are trying to satisfy your requirement as soon as possible. However, time is limited, and there are many clarifications to consider. We need a long time to understand what you clarification. We are very interested in this project and are actively preparing the bidding documents of New Kilifi 220/132 kV Substation and Extension of Malindi 220/33 kV Substation Project. Kindly review the clarification questions raised in our letter and please consider our request for 30 days extension of the bid submission deadline.	Cutoff fuse is needed. Refer to item No 1 of Addendum 7, Section IV-Price Schedules-New Kilifi 220-132kV SS-Rev 05, item 4.2 of Schedule 1, 2 and 4
17		Request for time extension		Refer to Addendum No. 8 of TAC 8
18		PART 2A– Employer's Requirements- D. SCHEDULE OF TECHNICAL INFORMATION- 9. 11kV XLPE INSULATED CABLE SYSTEM (with solid bonding) Item 1.5 General description of cable-metal sheath type	In 9. 11kV XLPE INSULATED CABLE SYSTEM (with solid bonding), The 11kV cables are required to adopt lead sheath. However, lead is a highly toxic heavy metal. Most manufacturers have discontinued its production due to environmental protection restrictions. Please confirm whether PE sheath can be adopted as an alternative.	Not Confirmed. Follow the bid requirement



19	PART 2A– Employer's Requirements- D. SCHEDULE OF TECHNICAL INFORMATION- 11. EARTHING AND LIGHTNING PROTECTION Item 1.3.1.1 Lead-sheathed stranded copper conductors	In 11. EARTHING AND LIGHTNING PROTECTION, The lead-sheathed stranded copper conductors are required to adopt lead sheath. However, lead is a highly toxic heavy metal. Most manufacturers have discontinued its production due to environmental protection restrictions. Please confirm whether tinned steel strand can be adopted.	Not confirmed.
20	Price Schedule 1- Item 15.6.6.1 of Malindi Substation Price Schedule 1- Item 15.6.6.1 of New Kilifi Substation	BOQ 15.6.6.1 requires Server based licenses (where available) and subscriptions, six user licenses for a period of six years. Please specify the name of server based licenses.	Refer to Employer's Requirement part 2A and part 2B, 22. Tools and Equipment for Erection, Installation, Commissioning and Operation, C-Software. Refer to item No 1 of Addendum 7, Section IV-P.S-Malindi 220-33kV SS-Rev 05, item 15.6.6.1 of Schedule 1 and 2 for Malindi Substation & refer to Section IV-Price Schedules-New Kilifi 220-132kV SS-Rev 05, item 15.6.6.1 of Schedule 1 and 2 for New Kilifi Substation.
21	Section III - Evaluation and Qualification Criteria 2.1 Technical Evaluation (c) Functional Guarantees of the Facilities:	For Auxiliary Transformer of Malindi and New Kilifi Substation, it requires the Max. No Load Losses is 0.65 kW and the Max. Load Losses is 3.0 kW. However, in the TDS of 33/0.415kV AUXILIARY TRANSFORMER & EARTHING TRANSFORMER, No Load Losses is 0.75 kW and the Max. Load Losses is 3.5 kW. Please confirm which one will be adopted?  We wish to express our keen interest in participating in this tender. However, we kindly request your consideration for an extension of the tender closing deadline.  This request is necessitated by the current global uncertainties arising from the ongoing geopolitical tensions between Iran and the United States. These developments have significantly affected international supply chains, resulting in: <ul style="list-style-type: none"> <li>• Volatility in global freight and logistics costs</li> <li>• Unpredictable lead times from key manufacturers</li> <li>• Fluctuating prices for critical imported electrical equipment and materials</li> </ul>	Max. No Load Losses of 0.65 kW and the Max. Load Losses of 3.0kW is confirmed. Refer to item No 2 of Addendum 7
22	Time Extension		Refer to Addendum No. 8 of TAC 8

			<p>As a result, it has become challenging to obtain firm and competitive quotations from our international suppliers within the stipulated timeframe. Given that a substantial portion of the project components will be sourced externally, these uncertainties directly impact our ability to prepare a comprehensive and competitive bid.</p> <p>In light of the above, we respectfully request for an extension of the tender closing date to allow sufficient time for stabilization of supplier pricing and submission of a responsive and compliant bid. We remain committed to participating in this tender and delivering a high-quality proposal, and we trust that our request will receive your favorable consideration.</p> <p>Thank you for your understanding.</p>		
23	<p>BOQ-1.22 220 kV Post type current transformer, for protection and metering, Two cores (1-phase) 2No</p>		<p>According to the single-line diagram, the additional current transformers should be installed at the high-voltage and low-voltage neutral points of the transformer. Based on the transformer's technical sheet, the voltages at the high-voltage and low-voltage neutral points should be 24 kV; however, the BOQ specifies that the current transformers should be rated at 220 kV. Please clarify the voltage values at the high-voltage and low-voltage neutral points of the transformer and determine the CT voltage for Item 1.22.</p>	<p>The voltage values at the high-voltage and low-voltage neutral points of the transformer shall be 24kV. Refer to Technical Datasheet of 220/33kV Power Transformer and item No 1 of Addendum 7, Section IV-PS-Malindi 220-33kV SS-Rev 05, item 1.22 of Schedule 1, 2 and 4.</p>	

24	KILIFI 220/132kV Substation	SITE PLAN (SCOPE OF WORK) DRAWING	<p>Considering that the 132 kV switchyard area within the red-marked zone will be constructed prior to other areas, and to ensure consistency of the finished levels between the 220 kV yard and the 132 kV switchyard at Kilifi Substation. kindly provide the finished grading level for the 132 kV switchyard area.</p> 	This shall be decided during the detail design
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25	New Kilifi 220/132/33kV Substation	<ul style="list-style-type: none"> <li>• 220kV configuration: 2/3 breaker scheme with two strings and two 220kV busbars.</li> <li>• From Busbar 1, two lines connect to Malindi (Kakuyuni) 220/33kV Substation.</li> <li>• From Busbar 2, two transformers connect to the 132kV side, configured as 2/3 breaker scheme with two strings and two 132kV busbars.</li> </ul> <p>The remaining 132kV and 33kV equipment already exists. The 132kV busbar is currently connected to:</p> <ul style="list-style-type: none"> <li>• Rabai 220/132kV Substation</li> <li>• Mombasa Cement 132kV Substation</li> <li>• Existing Kilifi 132/33kV KPLC Substation</li> </ul> <p><b>Clarifications required:</b></p> <ul style="list-style-type: none"> <li>• Is the scope of work at this site correctly understood?</li> <li>• Should a separate SCADA and RTU system be provided for this substation?</li> <li>• Is integration with the existing 132kV SCADA system required?</li> </ul> <p>What is the brand or vendor of the existing SCADA system?</p>	<p>1. Follow the scope of work under Employer's requirement part 2A and 2B, 1.3.1. Works at New Kilifi Substation Existing 132kV and New 220kV Switchyards, the price schedule, the provided general layout and scope of works for complete scope of works at 220/132kV New Kilifi new Substation.</p> <p>For 132/33kV existing substation, Follow the scope of work under Employer's Requirement Part 2A, 1.3.1 Works at New Kilifi Substation Existing 132kV and New 220kV Switchyards, C. New Kilifi 132kV Substation and the Price schedules</p> <p>2. Separate SCADA and RTU system shall be provided for both 220/132kV New Kilifi new substation and 132/33kV existing New Kilifi substation.</p> <p>3. There is no Existing 132/33kV SCADA system at New Kilifi Substation. New SCADA system for both 220/132kV New Kilifi new substation and 132/33kV existing New Kilifi substation shall be provided under the current scope of works.</p>
26		Based on the Site Visit, the site of the New Kilifi Substation is still greenfield. According to this Contract, the Bidder's scope of work does not include the civil construction of the 132kV side of the New Kilifi Substation nor the installation, testing of primary equipment. This part of the work shall be	It is expected that the work shall be completed before the commencement of the current work. However, the point of integrations shall be discussed in detail and agreed during execution of the current contract.

			<p>the responsibility of another general contractor. We would like you to confirm whether the construction of this part will be carried out before or after the commencement of the works within the Bidder's scope. As there are a large number of interrelated contents requiring coordination and cooperation between the Bidder and the other general contractor, any delay in the works of the other general contractor will inevitably lead to delays in the Bidder's works.</p> <p>At the current bidding stage, the Bidder requests the Employer to provide more information to enable the Bidder to assess the relevant risks, or proposes that the Employer make a clear division of scopes between the Bidder and the other contractor (for example, the other contractor shall be responsible not only for the installation of the primary equipment on the entire 132kV side, but also for all equipment on the 132kV side as well as the associated testing and commissioning works).</p>	
27	New Kilifi Layout and Sections drawing		<p>Please confirm whether site grading works should also be carried out for the 132 kV area of the other project.</p>	<p>The grading and gravel spreading shall be carried out on the part of 132/33kV substation under the current scope of works.</p>