

Central Office – P.O. Box 30099, Nairobi, Kenya  
Telephone – 254-02-3201000  
Fax No. 254-02-3514485  
Stima Plaza, Kolobot Road  
Nairobi, Kenya

Our ref: - KP1/9A.3/OT/22/24-25/Add1/JN/mb

19<sup>th</sup> March, 2025

**Your ref:**

TO: ALL PROSPECTIVE BIDDERS

**RE: ADDENDUM NO. 1 TO THE TENDER NO. KP1/9A.3/OT/22/24-25 SUPPLY OF POWER TRANSFORMERS, SPARE TAP CHANGERS AND SWITCHBOARD PANELS.**

Please refer to the above Tender.

We make the following amendments to the Principal Tender Document (*hereinafter abbreviated as the PTD*)

**1. RELATIONSHIP WITH THE PRINCIPAL TENDER DOCUMENT**

Save where expressly amended by the terms of this Addendum, the Principle tender Document shall continue to be in full force and effect. The provisions of this addendum shall be deemed to have been incorporated in and shall be read and constructed as part of the Principle tender Document.

**2. CLARIFICATION**

The following responses are made to clarifications sought on various issues on the tender document.

Query No.	Clarification sought by Bidder	KPLC Response
1	<p>The specification documents for the following two items for Lot 2 in the subject tender:</p> <ol style="list-style-type: none"><li>1. MR MA9 Motor drive unit - line item number 4 in the schedule of requirements</li><li>2. Automatic voltage control relay TAPCON – line item number 8 in the schedule of requirements.</li></ol> <p>We have checked all specification documents attached in the supplier portal, but they are not among them.</p>	<p>MR MA9 and Automatic voltage control relay TAPCON 230 expert do not need specifications. They are spares and already self-described and are all products of MR Germany</p>

Query No.	Clarification sought by Bidder	KPLC Response
2	<p>1. For Switchboard panels 11kV what is the combination? i.e. how many incoming panels, how many outgoing panels.</p> <p>2. For lot 1, In case of a joint venture between the foreign manufacturer and local company for purposes of this tender, can the local company be the lead bidder in the JV.</p> <p>3. For lot 1, in case of a JV between the foreign manufacturer and the local company, can the local company submit the documents through its portal account irrespective of the JV Tender shareholding arrangement.</p> <p>4. For Lot 1, in case of a JV arrangement between a foreign manufacturer and a local company what will be the quote incoterm to be used or are they at liberty to use either DDP or DAP.</p> <p>5. For lot 1, in case of a JV arrangement between a foreign manufacturer and a local company, will the JV shareholding arrangement for purposes of this tender benefit from margin of preference as outlined in ITT32.3 of the tender document.</p>	<ul style="list-style-type: none"> <li>• The 11KV Switchboard has 2no. Incomers, 8no Outgoing feeders, 1no Bus coupler, 1no. Raiser and 2no. VT panels</li> <li>• It depends of the agreement between the joint venture members; that is the Manufacturer and the Local Bidder.</li> <li>• It depends of the agreement between the joint venture members; that is the Manufacturer and the Local Bidder.</li> <li>• In case of a joint venture between a foreign manufacturer and a Local Bidder, the applicable incoterm shall be <b>DDP</b>.</li> <li>• Margin of preference shall not be applicable in case of a joint venture</li> </ul>
3	<p>We have noticed that some pages are defaced or available in the below specifications making it difficult to get some of the requirements. Kindly submit complete and clear specifications documents for the below respective items.</p> <p>Q1. Specification for 23MVA 66/33kV power transformer, KP1/3CB/TSP/10/039, page 8, 13, 19, 32 are having scanning problem, pls provide the right Clear specification document.</p> <p>Q2. Specification for 2.5MVA 33/11kV power transformer, KP1/3CB/TSP/10/046, page 7 is missing, pls provide the complete specification.</p> <p>Q3. In the Schedule of requirement, Lot-2, for the 11kV switchboard, there is no panel configuration in the specification, pls provide us the information accordingly, like how many incoming panels, how many outgoing panels etc.</p> <p>Q4. Considering this are technical items we request for a two weeks extension to allow for ample design and document preparation.</p>	<ul style="list-style-type: none"> <li>• The erroneous specifications no. <b>KP1/3CB/TSP/10/039</b> and <b>KP1/3CB/TSP/10/046</b> for <b>23MVA 66/33kV</b> and <b>2.5MVA 33/11kV</b> Power Transformers respectively have been withdrawn and replaced with correct specifications and uploaded in all sites, which include KPLC portal, PPIP and KPLC website.</li> <li>• Refer to response to query no. 2 above.</li> <li>• Extended. Refer to tender closing date under clause 4 below.</li> </ul>

Query No.	Clarification sought by Bidder	KPLC Response
4	<ol style="list-style-type: none"> <li>1. Technical Specification of 23 MVA, 66/33 kV Power Transformer is not furnished by M/s. KPLC.</li> <li>2. Whether a bidder is allowed to quote partially for example rating 23 MVA, 132 kV and 23 MVA, 66 kV Power Transformers only.</li> <li>3. Whether Bid Bond amount will be reduced for LOT 1 in case we quote few ratings only.</li> <li>4. Which are the Indian Banks which are acceptable for giving Bid Bond Guarantee.</li> <li>5. We do not have Dynamic Short Circuit and Type Test reports for ratings floated by M/s. KPLC. We can furnish higher rating Dynamic Short Circuit Report and Type Test Reports as per IS: 2026. However, since HV side is Delta connected, we cannot prove Short Circuit Similarity of already Short-Circuited higher rating transformer with the offered transformer. Kindly let us know whether this is acceptable or our tender will be rejected. Further also note that we do not intend to carry out the Dynamic Short Circuit test on offered rating in event of an order. We can only provide Short Circuit Calculations to M/s. KPLC.</li> <li>6. Delivery period mentioned in the tender is 6 months from the date of LPO. We require atleast 8-9 months for getting transformer ready for inspection at our works.</li> <li>7. Whether all Indian Make accessories including Indian make OLTC is acceptable or not. Else, please ask M/s. KPLC to furnish approved Make List. In case of imported accessories, delivery period will be further increased.</li> </ol>	<ul style="list-style-type: none"> <li>• The specification is uploaded in all portals</li> <li>• Bidders are allowed to quote in all or any of number of items in the respective lots, as long as the bidder meets the eligibility criteria.</li> <li>• The tender security shall be as stipulated in the tender document and shall not be reduced.</li> <li>• Refer to <b>ITT 18.1</b>. A Tender Security shall be required in form of a guarantee issued by a bank or a financial institution, registered by the Central Bank of Kenya (CBK) and therefore must be Kenyan Bank.</li> <li>• Dynamic short circuit report and type test reports for higher rating transformers are acceptable but must conform to IEC 60076-5.</li> </ul> <p><b>Thermal ability to withstand short circuit for the transformer on offer.</b></p> <ul style="list-style-type: none"> <li>❖ Calculations shall be done according to IEC 60076-5 Clause 4.1 to prove thermal ability to withstand short circuit for at least 3 seconds at rated conditions and after all loading Conditions as specified in IEC 60076-7 Clause 7.3.3. This shall be submitted with the offer.</li> </ul> <p><b>Ability to withstand dynamic forces.</b></p> <ul style="list-style-type: none"> <li>❖ The manufacturer shall prove the ability of designing and manufacturing transformers which can withstand dynamic effects of short circuit as per IEC 60076-5 by means of complete test reports of short circuit tests for a higher capacity transformers as requested.</li> <li>• Delivery period has been amended to <b>10 months after issue of LPO</b>. The schedule of requirements and Guaranteed Lead time have been amended and replaced as <b>Appendix II &amp; III</b>.</li> <li>• All accessories are acceptable as long as they meet the requirements, however for OLTC please refer to clause 4.12 of the technical specifications. Take note of clause 4.12.8 on the experience of the OLTC manufacturer. Must be from a leading known and reputable manufacturer with remarkable experience. OLTC manufacturer must be a leading pioneer in the vacuum OLTC technology and must have made</li> </ul>

Query No.	Clarification sought by Bidder	KPLC Response
	<p>8. We intend to quote the tender on FOB, Indian Port. Whether this acceptable or not.</p> <p>9. In tender, it is not clear that unloading, erection, testing and commissioning of transformer is in scope of bidder or purchaser. Kindly clarify.</p> <p>10. Also share the rates on which last PO are placed.</p> <p>11. Any specific certification is required for exporting goods to Kenya. For e.g. UL is required for USA, CE is required for Europe, BIVAC for Congo. Please confirm</p>	<p>remarkable sales of vacuum OLTCs to power utilities in at least four continents Europe, South America, North America and Africa.</p> <ul style="list-style-type: none"> <li>Refer to ITT 13.7. Foreign Tenderers shall quote on Delivery At Place (DAP) Incoterms, while local bidders shall quote on Delivery Duty Paid (DDP).</li> <li>The scope is up to unloading at the customers premises.</li> <li>The purchase order shall be created as per the price quoted/bidder in the price schedule by tenderer.</li> <li>Please consult your shipping agent. However, Kenyan imports generally require to have some of the following documents: <ul style="list-style-type: none"> <li>➤ Certificate of Conformity (CoC) from the PVoC agent for regulated products;</li> <li>➤ Import declaration form (IDF);</li> <li>➤ Customs declaration (Entry);</li> <li>➤ Import Standards Mark (ISM) code where applicable;</li> <li>➤ Valid Commercial invoices from the exporting firm, and;</li> <li>➤ Valid pro forma invoices from the exporting firm.</li> </ul> </li> </ul>
5	<p>We request the following clarifications to facilitate the preparation of our bid:</p> <p>1. The Vector Group shall be stated on the schedule of requirements in the tender and shall either be YNyn0d1, YNyn0d11 or Dyn1/Dyn11. Power transformer intended for Dy connection shall have facility to change from Dyn1 to Dyn11 and vice versa. The links for changing over from one mode to another shall be accessible through an inspection cover.</p> <p>4.7.3 The impedance voltage at extreme tapplings and at principal tapping shall be stated and shall be subject to tolerances in accordance with IEC 60076. Typical values for existing transformers in KPLC at principal (nominal) tap are 9.8%-10.1%. The minimum as per IEC 60076-5 for this size of transformer is 8.0%.</p> <p><b>Vector Group and Impedance:</b> Kindly specify the values for the vector group and impedance</p>	<ul style="list-style-type: none"> <li>The transformer vector group to be fixed as per the schedule of requirements. No need for facility for vector group swapping.</li> </ul>

Query No.	Clarification sought by Bidder	KPLC Response
	<p>2. 4.4.1 The Vector Group shall be stated on the schedule of requirements in the tender and shall either be YNyn0d1, YNyn0d11 or Dyn1/Dyn11. Power transformer intended for Dy connection shall have facility to change from Dyn1 to Dyn11 and vice versa. The links for changing over from one mode to another shall be accessible through an inspection cover.</p> <p><b>Power of transformer intended for Dyn1/Dyn11 connection shall have facility to change over from Dyn1 to Dyn11 and vice versa</b> : We understand that the requirement for the transformer to have the facility to switch between Dyn1 and Dyn11 connections may be challenging to implement. This requirement is difficult to achieve, kindly review it.</p> <p>3. <b>Corrosion Protection Grade:</b> Kindly specify the required corrosion protection grade (e.g., C3, C4, or higher) for the transformers.</p> <p>4. <b>Load and No-Load Losses:</b> We seek clarification on whether KPLC has specific value requirements for load and no-load losses, or if manufacturers are expected to determine these values based on standard calculations.</p> <p>5. <b>Ground Transformer Rating:</b> Using the data from Table 4.8 in the technical specifications, we have calculated the grounding transformer size to be 100 kVA, as detailed below:  Short-circuit capacity: <math>\sqrt{3} \times 11 \times 100/3 = 635 \text{ kVA}</math></p>	<ul style="list-style-type: none"> <li>• Please comply with the specifications attached to this tender.</li> <li>• Corrosion protection grade, Check clause 4.1.1 of the technical specifications. Very heavy (pollution level IV) or grade C5.</li> <li>• <b>Load and no load losses:</b> please refer to clause 4.7.1 of technical specs. KPLC doesn't have any specific value for load and no load losses. <ul style="list-style-type: none"> <li>➤ The bidder shall state in the GTPs guaranteed values for component losses of the total loss which shall be as is consistent with transport</li> <li>➤ Restrictions, reliability and economic use of materials.</li> <li>➤ Component losses in excess of guaranteed values but within tolerances permitted under IEC 60076 Part 1, transformer shall be accepted subject to full compliance with all technical particulars.</li> <li>➤ Component losses in excess of guaranteed values and exceeding the tolerance permitted under IEC 60076 Part 1, acceptance of transformers shall be entirely at the discretion of the KPLC depending on Price reduction negotiations with the vendor.</li> </ul> </li> <li>• Grounding transformer Ratings, The transformer to be adequately designed to carry rated continuous primary current without exceeding its temperature limit. The KVA rating to take care of both short time response</li> </ul>

Query No.	Clarification sought by Bidder	KPLC Response
	<p>Capacity calculation: <math>635/6.3 = 100</math> kVA  (Where 6.3 is the short-circuit capacity coefficient for 30 seconds)  However, the Secondary winding Power Rating (Continuous rating of auxiliary winding) for this project is stated as 315 kVA, which exceeds the primary capacity of 100 kVA.  Note: Generally the secondary capacity should not exceed 25% of the primary capacity therefore we kindly request a review of this specification</p> <p>6. We have reviewed the details provided in the Manufacturer's Capacity Declaration Form (Form 3.1) and the Guaranteed Lead Time (GLT) table, and we have noted a discrepancy in the indicated delivery periods. While the Manufacturer's Capacity Declaration Form (Table 3) specifies a delivery period of 'Maximum 10 months' after the issuance of the LPO, the GLT table lists the delivery period as 6 months after issuance of the LPO. We kindly request that the delivery period in both the Manufacturer's Capacity Declaration Form (Table 3) and the GLT table be revised to reflect a maximum of 10 months after the issuance of the LPO.</p>	<p>to faults and continuous station auxiliary supplies of 315KVA.</p> <ul style="list-style-type: none"> <li>Refer to amendment on clause 3 below. Price schedule, Schedule of requirement and Guaranteed Lead time have been amended and replaced.</li> </ul>
6	<ol style="list-style-type: none"> <li>Further to the above referenced tender, kindly advise whether Advance Payments are applicable on presentation of an APG and the percentage amount.</li> <li>Further to the above referenced tender, kindly provide us with no-load loss and on-load loss for each transformer.</li> <li>Can we offer price with tap changer Shanghai Huaming ?</li> <li>Can we offer the price with China Zhida brand bushings?</li> </ol>	<ul style="list-style-type: none"> <li>Advance payment is not applicable for this tender.</li> <li>Ref to response no 5(4) above on <b>no load loss</b> and <b>load loss</b>.</li> <li>Ref to SECTION II – Tender Data Sheet (TDS), <b>ITT 2.3</b> for eligibility for lot 1 and lot 2</li> </ul>

Query No.	Clarification sought by Bidder	KPLC Response
7	<p>We are a local manufacturer of distribution transformers. However, since we do not have the capacity for the power transformers, can we partner with a capable manufacturer and place a joint bid?</p> <p>2. ITT 2.3 - Lot 2 - General Bidders (Local and Foreign) The states that foreign bidders are open to bid for the lot, however on the price schedule table on page 62, Lot is shown as for Local Bidders only. Kindly clarify which position we should adopt; whether local or open to foreign bidders.</p> <p>3. We request for an extension of the opening date. There being many manufacturers we have to contact, it takes time to get responses and all supporting documents from them at the same and be able to work out. We request an extension of about 3 weeks to enable us conclude on our bid.</p>	<ul style="list-style-type: none"> <li>Refer to eligibility criteria under ITT 2.3 and Joint ventures under ITT 3.1.</li> <li>Refer to amendment on clause 3 below. Price schedule, Schedule of requirement and Guaranteed Lead time have been amended and replaced.</li> <li>Extended. Refer to tender closing date under clause 4 below.</li> </ul>
8	<p>Request for clarification as regards to some items in Lot 2 namely AUTOMATIC VOLTAGE CONTROL RELAY - TAPCON &amp; AUTOMATIC VOLTAGE CONTROL RELAY - REGDA.</p> <p>The manufacturers have different types / models of the relays. Due to the difference in functionalities and pricing, kindly clarify the exact model / type required so that we can be able to quote for the correct item.</p>	<ul style="list-style-type: none"> <li>The two avrs are Tapcon 230 Expert and REGDA</li> </ul>
9	Kindly provide us the serial number of MR MA9 Motor drive unit.	<ul style="list-style-type: none"> <li>MA9 Motor Drive Unit s/number 139267</li> </ul>

### **3. AMENDMENTS**

The following amendments are made on the tender document.

- Section IV; Price schedule** is amended and replaced with **Appendix I** Attached.
- Section V; Schedule of Requirements** has been amended and replaced with **Appendix II**.
- Section V; Guaranteed Lead Time (GLT)** has been amended and replaced with **Appendix III**

### **4. TENDER CLOSING DATE**

The tender closing date has been extended to **15<sup>th</sup> April 2025 at 10:00am**, opening of the Tender will take place thereafter at the Auditorium, Stima Plaza on the same day at 10.30am.

All other terms and condition remains as per the tender document.

Yours faithfully,

**FOR: THE KENYA POWER & LIGHTING COMPANY PLC**



**DR. JOHN NGENO, OGW**

**GENERAL MANAGER, SUPPLY CHAIN & LOGISTICS**

