

**Our Ref:** KP1/9A.3/OT/13/21-22/PM/jnk

**12<sup>th</sup> July 2022**

TO:

ALL PROSPECTIVE BIDDERS

**RE: ADDENDUM NO. I TO TENDER NO. KP1/9A.3/OT/13/21-22 SUPPLY OF CURRENT TRANSFORMER(CTS) & SWITCHGEARS**

Please refer to the above tender.

We make the following amendment to the above Principal Tender Document (*Hereinafter abbreviated as the PTD*) for the supply of current transformers (CTS) and switch gears.

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

Save where expressly amended by the terms of this Addendum, the PTD 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 construed as part of the PTD.

**2. CLARIFICATIONS**

The following responses are made to clarification sought on issues in the Specifications and shall be deemed to form the addendum;

No	Technical Query	KPLC Response
	<b>KP1-13D-4-1-TSP-10-006 Specifications for 36kV Current Transformer Clarification</b>	
Q1	<b>33KV Current Transformer.</b> Please provide the missing specifications for insulation oil as per section 4.2.6 of the CT GTPs.	Attached: KP1-3CB-TSP-08-001 Specification for mineral insulating oil (Transformer & Switchgear)
Q2	<b>TX current 33kv ratio 400-200/1-1-1</b> We have checked the specifications and noticed wrong specifications for item TX current 33kv ratio 400-200/1-1-1 since no ratings for that item have been provided.	Refer to the specification Clause 4.3 Table 1, of KP1-13D-4-1-TSP-10-006 The CT ratios for type I, II & III are given as;  Type I=1000-800/1-1-1 (4 cores)

	<p>The specifications though with a different name are just the same for items <b>33kv</b> CT types I, II, III.</p>	<p>Type II=400-200/1-1-1-1 (4 cores) Type III=400-200/1-1 (2 cores)</p> <p>The specification has NOT given any CT type with 400-200/1-1-1 (3 cores)</p> <p>For CT Type: <b>400-200/1-1-1</b>, use the following ratings:</p> <table border="1" data-bbox="898 434 1536 1093"> <thead> <tr> <th colspan="2">Description</th> <th>Requirements</th> </tr> </thead> <tbody> <tr> <td colspan="2">Rated Primary Current</td> <td>400A</td> </tr> <tr> <td colspan="2">Rated Secondary Current</td> <td>1 A</td> </tr> <tr> <td colspan="2">Rated short circuit withstand current and duration.</td> <td>31.5 kA, 3 seconds</td> </tr> <tr> <td colspan="2">Rated Dynamic Current</td> <td>79kA</td> </tr> <tr> <td colspan="2">CT Ratio</td> <td>400-200/1-1-1</td> </tr> <tr> <td rowspan="3">Accuracy class and rated burden</td> <td>Core 1</td> <td>Class 0.2, 30VA, IF<sub>s</sub> ≤ 10, R<sub>ct</sub>@75°C ≤ 7.5 Ω</td> </tr> <tr> <td>Core 2</td> <td>Class 5PR20, 30VA, V<sub>k</sub> ≥ 450V</td> </tr> <tr> <td>Core 3</td> <td>Class PX, V<sub>k</sub> = 450V, I<sub>k</sub> ≤ 30mA, R<sub>ct</sub> ≤ 3 Ω</td> </tr> </tbody> </table>	Description		Requirements	Rated Primary Current		400A	Rated Secondary Current		1 A	Rated short circuit withstand current and duration.		31.5 kA, 3 seconds	Rated Dynamic Current		79kA	CT Ratio		400-200/1-1-1	Accuracy class and rated burden	Core 1	Class 0.2, 30VA, IF <sub>s</sub> ≤ 10, R <sub>ct</sub> @75°C ≤ 7.5 Ω	Core 2	Class 5PR20, 30VA, V <sub>k</sub> ≥ 450V	Core 3	Class PX, V <sub>k</sub> = 450V, I <sub>k</sub> ≤ 30mA, R <sub>ct</sub> ≤ 3 Ω
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<p>Q3</p>	<p><b>33KV Current Transformer.</b> Clause <b>4.2.12.3</b> conductors' overall diameter shall of between <b>18.3mm</b> to <b>25mm</b> and the bus bar tubes of <b>76.2mm</b> diameter.</p> <p>Clarify whether two clamps are needed for the offer since there is no single clamp that can offer same solution with one being three times the size of the other.</p> <p>a) To cater for the conductor required dimensions of <b>18mm</b> to <b>25mm</b> To cater for the busbar tubes of <b>76.2mm</b></p>	<p>Manufacturer to provide a primary terminal clamp for a conductor of overall diameter of between <b>18.3mm</b> to <b>25.0mm</b></p>																									
<p>Q4</p>	<p><b>KP1-3CB-TSP-011-011 Specification for 11kV Isolator(Disconnecter)</b> <b>Isolator Air Break Switch 3-P 11kV</b> Considering item: 188438 - Isolator Air Break Switch 3-P 11KV 4 can come with accessories for single pole or H-pole which are different and also have difference in prices, kindly advise which type do you require or specify how many sets for each.</p>	<p>Manufacturer to refer to design requirements described under <b>Scope</b>: clause <b>1.0</b> (Specs-KP1/3CB/011/011).</p> <p>KPLC prefers to mount the isolators on H-Pole structures either vertically or horizontally, as described on Clause <b>4.2.5</b>. However, the isolator shall be of a design that is mountable either on a Single pole or</p>																									

		on a H-Pole structure, as indicated on clause <b>4.2.4</b>
Q5	<b>Isolator Air Break Switch 3-P 11kV</b> As per GTP section 7, we seek clarity on the spare parts required for appropriate quoting. Are the spare contacts of five males and five females required per set or per lot to be supplied.	Quantity of contact spares should be <b>10%</b> of the quantity of contact units supplied with, and fitted on, the isolators.
Q6	Please provide clarification on the warranty of goods to be delivered.	Refer to Section VI- GCC of the Tender document clause 28.3 on warranty.
Q7	Clarify on the final destination for delivery of goods under Lot 2	The final destination for delivery of all goods is the " <b>Bulk Stores</b> "
Q8	Clarify the monthly Manufacturer's production capacity required since the one indicated for <b>lot 1 &amp; lot 2</b> is too high for monthly production	Refer to Section III-Evaluation and Qualification Criteria clause 2.2.1 Table 3 Form 3.1 manufacturer's Capacity Declaration Form- <b>Manufacturer to indicate.</b>

### **3. CHANGE OF TENDER CLOSING DATE**

The tender closing date has been extended from **14<sup>th</sup> July, 2022** to **21<sup>st</sup> July, 2022** at **10.00am**.

All other terms and conditions remain as per the Principal Tender Document (PTD).

Yours faithfully,

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



**PETER MUCHORI**  
**AG. SUPPLY CHAIN MANAGER, PROCUREMENT.**

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