

Our Ref: KP1/9AA-3/OT/07/16-17/jm

7th October, 2016

M/s _____

RE: ADDENDUM NO. 1 TO THE TENDER NO. KP1/9AA-3/OT/07/16-17 FOR SUPPLY OF CIRCUIT BREAKERS, AUTORECLOSERS, LOAD BREAK SWITCH AND SURGE ARRESTORS

The following clarifications and amendments are made to the Principal Tender Document (*hereinafter abbreviated as the PTD*) for the Supply of Circuit breakers, Autoreclosers, Load Break Switch and Surge Arrestors dated September, 2016.

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. CLARIFICATION HAS BEEN SOUGHT ON ITEMS AS SHOWN BELOW:

	Clause Number	Questions	Answers
1	Clause 4.4	In Specification 11kV Vacuum Automatic Reclosers (Pole Mounted)- In Annex Guaranteed Technical Particulars they have mentioned at point no 3. Highest System Voltage 15kV but specification point no 4.4 system highest operating voltage is 12kV- It should be 12kV as per specification instead of 15kV. The upstream switchgear which is 11kV Auto recloser fault given is 12kA. So definitely as per IEC standard, it should not be 25kA. It should be less than 12kA	Highest system voltage shall be 15 kV as per GTP point 3 Comply with specifications
2	Clause 4.3	In specification of 11kV remotely controlled load break switch- part 1 AIR break TYPE9 with fault make & load break heads) following is mentioned in clause no 4.3 of specification – Fault making capacity 25kA and Rated	Comply with specifications

		<p>short time withstand current is 25kA for 3 sec. As per IEC 62271-102 (for LBS) the fault making capacity for the above short circuit level should be 2.5 times of rated short time withstand current.</p> <p>As such we suggest following values to meet your requirements:-</p> <ul style="list-style-type: none"> - Short time withstand current 16kA for 3 second - Fault making capacity (Short circuit making current) – 40kA peak - Rated continuous current rating may be 630 Amp instead of 400Amp as contacts shall have better size - In specification applicable standard mentioned IEC 62271. It should be IEC 62271-103 - Also confirm for remote operation, remote terminal Unit (RTU) and communicable network is in KPLC scope of supply. <p>Fault capacity is 25kA in the existing specifications for load break switch which we asked to clarify for 16kA or 12KA being down stream in the line.</p>	<p>Yes, as per clause 4.2.6 of specification.</p> <p>Comply with specifications</p>
3		<p>In tender document, there is only voltage level & quantity for CB and there is no details about the Type of circuit breaker for both 220kV & 132kV. Please confirm how many shall be Tripolar or Unipolar type of breakers</p>	<p>Circuit breaker 220kV (Unipolar type) & Circuit Breaker 132kV - quantity 10 Pieces Triple pole type and quantity 7 Pieces Single pole type</p>
4		<p>The specs given for load break switch reads Airbreak type. This is our comment and so pl clarify (It is good that we are all aware that for safety reasons, any remotely controlled LBS has to have an enclosed breaking chamber or be in a fenced off area. The risk of causing injury to third parties while operating remotely an Air Break switch is enormous. These are not to be located in fenced off areas I hope? Any other application are against internationally accepted/applied standards and code of practice. Load break switches are in SF6 at 16kA</p>	<p>Use the given specifications for 11kV Remotely controlled load break switch</p> <p>KPLC1/3CB/TSP/1/107</p>
5		<p>We asked for the 33kV load break switch specification which was missing in the tender . The specification now uploaded in the portal is reading for 11kV and 33kV automatic load transfer switch, which is totally another product and not load break switch.</p>	<p>The item has been withdrawn from the tender</p>
6	Clause 4.5	<p>The 11kV autoreclosures in clause 4.5 control unit box and refer page 9 of 17. Please confirm the control box will get supply from single phase Dist TX and so auxiliary power supply to control box is not in our scope</p>	<p>Yes as per specifications</p>

7		Confirm that the specs for 11&33kV load transfer switch which was uploaded on 22/09/2016 is a replacement of 11 & 33kV remotely controlled load break switch.	Use the given specification for 11kV Remotely controlled load break switch KPLC1/3CB/TSP/11/107
8		Specification for the above(11kV and 33kV Load Break Switch) items refers to Air break switch Type with remote Terminal Unit (RTU). However, we propose to quote for either sf6 gas insulated load break switch/ solid insulated load break switch.	Use the given specification for 11kV Remotely controlled load break switch KPLC1/3CB/TSP/11/107
9	Clause 4.2.9	According to clause 4.2.9(11kV autoreclosers) it states "A single bushing providing the required creepage shall be mounted on the tank for each phase. Use of an additional boot or cable tail to be connected between the bushing and the overhead line to achieve the required creepage shall not be accepted. The bushing shall either be porcelain or silicon rubber material. Our reclosers uses Hydrophobic Cycloaliphatic Epoxy bushing. Please advise if this is acceptable.	Comply with specifications
10		Load Break Switch 11kV. We believe document KPLC1/3CB/TSP/11/107 is the specification document. We have this document	Yes it is.

3. CHANGE OF CLOSING DATE

The closing date has been changed from 11th October, 2016 to 26th October, 2016 at 10.00 am.

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

Yours faithfully,

FOR: THE KENYA POWER & LIGHTING COMPANY LIMITED


BERNARD NGUGI
GENERAL MANAGER SUPPLY CHAIN