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Stima Plaza, Kolobot Road

Our Ref: KP1/9A.3/OT/22/24-25

16th April, 2025

TO ALL PROSPECTIVE TENDERERS

## RE: ADDENDUM NO. 4 TO THE TENDER NO. KP1/9A.3/OT/22/24-25 SUPPLY OF POWER TRANSFORMERS, SPARE TAP CHANGERS AND SWITCHBOARD PANELS.

The following amendments are made to the specified provisions of the Tender document for Supply of Power Transformers, Spare Tap Changers and Switchboard Panels.

## 1. RELATIONSHIP WITH THE PRINCIPAL TENDER DOCUMENT

Save where expressly amended by the terms of this Addendum, the Principal 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 as part of the Principal Tender Document.

## 2. AMENDMENTS

The following amendments are made on **Specification No. KP1/6C/4/1/TSP/11/001-4** for 11K Air Insulated Indoor Switchgear Panels;

No.	Clause No. of the Technical spec.	Amendment/Additional Requirements
1	Clause 4.3.5.2	In addition to the indication requirements in this clause, add the following indication lamps in the LV compartment front panel for outgoing feeders, Bus section and incomers.  (I) Auto trip indication: Orange lamp  (II)Spring charged indication: Blue lamp  (III)CB in service indication: Red lamp  (IV)CB in test indication: Green lamp  (V)Earth switch ON indication: Green lamp  (VI)Earth switch OFF indication: Green lamp

No.	Clause No. of the	Amendment/Additional Requirements
<b>No.</b> 2	Technical spec. Clause 4.3.8.1	Outgoing feeder protection relay, indication and control IED requirements; The feeder protection relay front Face LED Indications shall include the following.  1) 50+50N Operated. 2) 51+51N Operated. 3) TCS 1/2 Unhealthy. 4) Load shedding trip 5) 50G Operated 6) 86 Operated. 7) Auto reclose in progress 8) Auto reclose unsuccessful 9) Cable compartment arc sensor operated.
		10) Circuit Breaker compartment arc sensor operated 11) Bus bar compartment arc sensor operated.  The incomer panel protection relay front Face LED Indications shall include the following.  1) 50+50N Operated.  2) 67+67N Operated.  3) TCS 1/2 Unhealthy.  4) Fuse Fail  5) 27/59 Operated  6) 86 Operated.  7) Cable compartment arc sensor operated.  8) Circuit Breaker compartment arc sensor operated.  9) Bus bar compartment arc sensor operated.
		The Bus section panel protection relay front Face LED Indications shall include the following.  1) 50+50N Operated. 2) 51+51N Operated. 3) TCS 1/2 Unhealthy. 4) Fuse Fail 5) 86 Operated. 6) Cable compartment arc sensor operated. 7) Breaker/Bus bar compartment arc sensor operated. 8) Arc Sensor operated in OG/BPT/IC.
3	Clause 4.3.8.4	Bus PT Panel.  These are the additional requirements for this clause of the specifications.  The panel shall have a voltage relay configured to perform the following functions:  1) Under voltage protection 27  2) Overvoltage protection 59  3) Over/under frequency 81  The voltage relay shall have an integrated optical card with two inputs one from the PT compartment

No.	Clause No. of the Technical spec.	Amendment/Additional Requirements
		and the other from the bus bar compartment.  The voltage relay shall have the following outputs.  Programmed output for PT/Bus bar compartment arc sensor operated, wired to trip both incomer and Bus section Breakers.  Programmed output for stage 1 under frequency load shedding, wired through withdrawable links to trip all the outgoing feeders in the bus bar section.  Programmed output for stage 2 under frequency load shedding, wired through withdrawable links to trip all the outgoing feeders in the bus bar section.  Programmed output for stage 3 under frequency load shedding, wired through withdrawable links to trip all the outgoing feeders in the bus bar section.  The voltage relay shall have the following front face LED indications  27 operated  381 operated  49 PT Secondary MCB trip  PT Compartment arc sensor operated  Bus bar dedding stage 1  Load shedding stage 2  Load shedding stage 3  Load shedding stage 3  Load shedding stage 5  The Bus VT/PT Panel shall have provision for bus bar earth switch.  There shall be lamp for status indication of the bus bar earth switch  Red lamp: Earth switch closed  Green lamp: Earth switch closed  Green lamp: Earth switch shall only be closed with the incomer and bus section in test position.
4	Clause 4.4.2	(Arc flash protection)
	S/Clause 4.4.2.9	The arc flash protection function operating from the circuit breaker and bus bar compartments shall trip the incoming panel circuit breaker of the affected section and the bus section circuit breaker.  The arc flash protection function operating from the incoming panel cable compartment shall trip the incoming panel circuit breaker and shall have provision for the wiring of external trip to the upstream circuit breaker.
	S/Clause 4.4.2.3	The arc flash detection system shall be an optical card integrated in the panel relays and armed with three light inputs from lenses mounted in the cable compartment,

No.	Clause No. of the Technical spec.	Amendment/Additional Requirements
		circuit breaker compartment and bus bar compartment.

## 3. TENDER CLOSING DATE

The tender closing been extended to 30<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 the other terms and conditions remain as per the tender document.

Yours faithfully,

For: KENYA POWER & LIGHTING COMPANY LIMITED.

DR. JOHN NGENO, OGW

**GENERAL MANAGER, SUPPLY CHAIN & LOGISTICS**