

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/06/24-25/JN/em

4th October, 2024

TO: ALL PROSPECTIVE BIDDERS

RE: ADDENDUM No.II. TENDER FOR SUPPLY OF SWITCHGEARS, ISOLATORS AND INSTRUMENT TRANSFORMERS. TENDER No. KP1/9A.3/OT/06/24-25.

Please refer to the above tender.

We make the following amendments to the above Principal Tender Document (*hereinafter abbreviated as the PTD*) for the Supply and delivery of Terminations, Lugs and Joints

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

Some prospecting bidders have sought clarifications regarding the tender. We wish to respond as follows.

No.	ITEM	CLARIFICATIONS SOUGHT	KPLC REQUIREMENT / RESPONSE
1.	<ul style="list-style-type: none"> Kp1-13D-4-1-TSP-10-033- Specification For 245kv Current Transformers Clause no. 4.3 Ratings Type 1 CT Type 2 CT: 1500-800-300/1 	<p>As per Bill of material shared with tender the CT required with CT Ratio 1500-800-400/1. However in the specifications no details of 1500-800-400/1 CT is mentioned.</p> <p>Please provide details such as Number of Cores, Core wise accuracy class, burden.</p> <p>Please provide details such as Number of Cores, Core wise accuracy class, burden for the required CT.</p>	<p>245kV CT : 1500/800/400/1-1-1-1-1A Core 1, 2, 3, 4 : 1500/800/400/1A, 5P20, 60VA at 1500/1A and 30VA at 800/400/1A Ratios Core 5 : Class 0.50, 1500/800/400/1A, 60VA at 1500/1A and 30VA at 800/400/1A Ratios</p>
2.	<ul style="list-style-type: none"> KP1-13D-4-1-TSP-10-018-145KV 	<p>As per Bill of material shared with tender the CT required with CT Ratio 1200/800/600/400-</p>	<p>145kV CT : 1200/800/600/400/1-1-1-1-1A</p>

No.	ITEM	CLARIFICATIONS SOUGHT	KPLC REQUIREMENT / RESPONSE
	<p>Current Transformers</p> <ul style="list-style-type: none"> • Clause no. 4.3 Ratings • Type 1 CT: 800-400/1, Type 2 CT: 1200-800/1 	<p>/1 & . However in the specifications no details of 1200/800/600/400-1 CT is mentioned. Please provide details such as Number of Cores, Core wise accuracy class, burden Please provide details such as Number of Cores, Core wise accuracy class, burden for the required CT.</p>	<p>Core 1, 2, 3 : 1200/800/600/400/1A, 5P20, 30VA at 1200/1A and 20VA at 800/600/400/1A Ratios Core 4 : 1200/800/1A, Class PX, $V_k \geq 450V$, $I_e \leq 30mA$, $RCT \leq 7.5\Omega$ Core 5 : Class 0.50, 1200/800/600/400/1A, 30VA at 1200/1A and 20VA at 800/600/400/1A Ratios</p>
3.	<ul style="list-style-type: none"> • KP1-13D-4-1-TSP-10-005- Specification For 72.5kv Current Transformers • Clause no. 4.3 Ratings • Type 1 CT: 1600-1000-800-400/1 Type 2 CT: 800-400/1 	<p>As per Bill of material shared with tender the CT required with CT Ratio 400-200-100/1 & 100-50/1-1-1. However in the specifications no details of 400-200-100/1 & 100-50/1-1-1 CT is mentioned. Please provide details such as Number of Cores, Core wise accuracy class, burden Please provide details such as Number of Cores, Core wise accuracy class, burden for the required CT.</p>	<p>Type 1 : 400/200/100/1-1-1-1A, 72.5kV Core 1 & 2 – 5P20, 20VA at 400/1A Ratio Core 2 – CI 0.50, 20VA at 400/1A Core 4 – CI PX, $V_k \geq 450V$, $I_e \leq 30mA$ at 400/1A Ratio Type 2: 100/50/1-1-1-1A, 72.5kV Core 1 – 5P20, 20VA at 100/1A Ratio Core 2 – CI 0.50, 20VA at 100/1A Core 3 – CI 0.20, 20VA at 100/1A</p>
4.	<ul style="list-style-type: none"> • KP1-13D-4-1-TSP-10-006 - 36KV Current Transformers – Specification • Clause no. 4.3 Ratings • Type 1 CT: 1000-800/1 Type 2 CT: 400-200/1 Type 3 CT: 400-200/1 	<p>As per Bill of material shared with tender the CT required with CT Ratio 400-200-100/1 & 200-100/1. However in the specifications no details of 400-200-100/1 & 200-100/1 CT is mentioned. Please provide details such as Number of Cores, Core wise accuracy class, burden for the required CT.</p>	<p>Type 1 : 400/200/100/1-1-1-1-1A, 36kV Core 1 & 2 – 5P20, 20VA at 400/1A Ratio Core 3 – CI 0.50, 20VA at 400/1A Core 4 – CI PX, $V_k \geq 450V$, $I_e \leq 30mA$ at 400/1A Ratio Type 2: 400/200/1-1-1-1A, 36kV Core 1 – 5P20, 20VA at 200/1A Ratio Core 2 – CI 0.50, 20VA at 200/1A Core 3 – CI 0.20, 20VA at 200/1A Type 3: 200/100/1-1-1-1A, 36kV Core 1 – 5P20, 20VA at 200/1A Ratio</p>

No.	ITEM	CLARIFICATIONS SOUGHT	KPLC REQUIREMENT / RESPONSE
			Core 2 – CI 0.50, 20VA at 200/1A Core 3 – CI 0.20, 20VA at 200/1A
5.	<ul style="list-style-type: none"> • Price Schedule • 220KV Circuit Breaker 	Please confirm mandatory spares required with 220KV CB. Please provide revised Price schedule with mandatory spares included.	<ul style="list-style-type: none"> • Gas Filling accessories • Tripping Coils • Closing Coils
6.	<ul style="list-style-type: none"> • Price Schedule • 66KV Circuit Breaker 	Please confirm mandatory spares required with 66KV CB. Please provide revised Price schedule with mandatory spares included.	<ul style="list-style-type: none"> • Gas Filling accessories • Tripping Coils • Closing Coils
7.	<ul style="list-style-type: none"> • KP1-6C-4-1-TSP-11-006 33kV Vacuum Autorecloser (Pole-Mounted) – Specification • 33KV Autorecloser • Laptop Specifications 	Kindly provide updated specification for the laptop	Intel Core i7 1355U 16GB DDR4 3200, 1TB SSD, NVIDIA GeForce RTX 2050 4GB GDDR6 Graphics, Windows 11 pro 64 Bit 15.6" FHD screen, Realtek Wi-Fi 6E and Bluetooth 5.3 wireless card, 720p HD Camera, Dual stereo speakers, dual array microphones, Backlit Keyboard, Ports: Two USB Type-C 10Gbps signaling rate (USB Power Delivery, DisplayPort 2.1), Two USB Type-A 5Gbps signaling rate (1 charging, 1 power), One HDMI 2.1, One RJ-45, One stereo headphone/microphone combo jack, One AC power, Nano Security Lock Slot - 816P4EA
8.	<p>KP1-13d-4-1-TSP-11-012- Specification For 12kv Vacuum Autoreclosers - Pole Mounted</p> <ul style="list-style-type: none"> • 11KV Autorecloser • Laptop Specifications 	Kindly provide updated specification for the laptop	Intel Core i7 1355U 16GB DDR4 3200, 1TB SSD, NVIDIA GeForce RTX 2050 4GB GDDR6 Graphics, Windows 11 pro 64 Bit 15.6" FHD screen, Realtek Wi-Fi 6E and Bluetooth 5.3 wireless card, 720p HD Camera, Dual stereo speakers, dual array microphones, Backlit Keyboard, Ports: Two USB Type-C 10Gbps signaling rate (USB Power Delivery, DisplayPort 2.1), Two USB Type-A 5Gbps signaling rate (1 charging, 1 power), One HDMI 2.1, One RJ-45, One stereo headphone/microphone combo jack, One AC power, Nano Security Lock Slot - 816P4EA
9.	<ul style="list-style-type: none"> • KP1-13D-4-1-TSP-11-012 • Clause No.. 4.4 • Minimum rated short time withstand current for symmetrical 	As per KP1-6C-4-1-TSP-11-006 33kV Recloser specification, your requirement is 12.5kA for 3 sec. 12.5kA for 3 sec is also enough for 11kV Recloser STC rating.	Comply with specifications

No.	ITEM	CLARIFICATIONS SOUGHT	KPLC REQUIREMENT / RESPONSE
	fault : 21kA for 3 sec		
10.	<ul style="list-style-type: none"> • KP1-6C-4-1-TSP-11-006 • Clause No. 4.8.5.2 • The ratio and power rating of the power VT shall be 33kV/230Vac, 500VA Limit output and a minimum burden of 200VA or other higher rating adequate to meet the auxiliary supply requirement for the Autorecloser control 	Can we offer recloser with a total load of 10W except heater & external power socket connection. Hence 100VA/200VA burden is enough for auxiliary VT burden. Is the Offer acceptable	Comply with specifications
11.	<ul style="list-style-type: none"> • KP1-13D-4-1-TSP-11-012 • Clause No. 4.9.2 • The ratio and power rating of the power VT shall be 11kV/230Vac, 500VA Limit output and a minimum burden of 200VA or other higher rating adequate to meet the auxiliary supply requirement for the Autorecloser control 	Can we offer recloser with a total load of 10W except heater & external power socket connection. Hence 100VA/200VA burden is enough for auxiliary VT burden. Is the Offer acceptable	Comply with specifications

No.	ITEM	CLARIFICATIONS SOUGHT	KPLC REQUIREMENT / RESPONSE
12.	<ul style="list-style-type: none"> • KP1-13D-4-1-TSP-11-012 • Clause No. 4.10.4 • The supplier shall provide KPLC with written guarantee for the batteries of at least 5 years 	<p>Battery is bough out item for Recloser manufacturer. SMF VRLA battery are designed for 2.5 years life expectancy. This value is standard for SMF VRLA battery. Therefore, Please consider a 2 year warranty on the battery.</p>	Comply with requirements
13.	<ul style="list-style-type: none"> • KP1-6C-4-1-TSP-11-006 • Clause No. 4.8.6.4 • The supplier shall provide KPLC with written guarantee for the batteries of at least 5 years. 	<p>Battery is bough out item for Recloser manufacturer. SMF VRLA battery are designed for 2.5 years life expectancy. This value is standard for SMF VRLA battery. Therefore, Please consider a 2 year warranty on the battery.</p>	Comply with requirements
14.	<ul style="list-style-type: none"> • KP1-13D-4-1-TSP-11-012 • Clause No. B.2 • For 11kV System: A warranty of 5 years from the date of delivery of the Autoreclosers to KPLC store shall be offered by the manufacturer for the autorecloser 	<p>Please consider the warranty clause for the 11kV recloser with the inline of the 33kV recloser warranty clause</p>	Comply with specifications

No.	ITEM	CLARIFICATIONS SOUGHT	KPLC REQUIREMENT / RESPONSE
15.	<ul style="list-style-type: none"> • KP1-6C-4-1-TSP-11-006 • Clause No. D2 & D3 • For 3kV System: A warranty of 24 months from the date of delivery of the Autoreclosers to Kenya Power store shall be offered by the manufacturer for the recloser A warranty of 36 months from the date of delivery of the Autoreclosers to Kenya Power store shall be provided for the electronic cards in the Autorecloser control cabinet. 	Please consider the warranty clause for the 11kV recloser with the inline of the 33kV recloser warranty clause	Comply with requirements
16.	<ul style="list-style-type: none"> • KP1-6C-4-1-TSP-11-006 • Clause No. G3 & G4 • Manufacturing Experience: The manufacture of the Autorecloser shall have minimum 15 year experience in the manufacture of the Autorecloser and ten years experience in the manufacture of Autoreclosers with solid 	Request to consider 8 years of experience with Autorecloser products. We have been a renowned manufacturer of switchgear products, supplying to clients worldwide. We would like to submit vacuum switching products past supply record as supporting credentials. Additionally, request to accept four purchase orders and dispatch-related documents for overseas customers as evidence of our expertise with Autorecloser products	Comply with specifications

No.	ITEM	CLARIFICATIONS SOUGHT	KPLC REQUIREMENT / RESPONSE
	<p>primary insulation. The manufacture must have sold at least 1500 Autorecloser unit to overseas customer in last 5 years.</p> <p>Letters of Customer Satisfaction: Letters of satisfaction from four (4) overseas customers for the particular Autorecloser offered in this tender shall be furnished with the bid.</p>		
17.	<ul style="list-style-type: none"> • KP1-6C-4-1-TSP-11-006 • Clause No. E3 & E4 • Manufacturing Experience: The manufacturer of the Autorecloser shall have minimum of 12 years experience in the manufacture of the Autorecloser. Letters of Customer Satisfaction: Reference Letters from four (4) overseas 	<p>Request to consider 8 years of experience with Autorecloser products. We have been a renowned manufacturer of switchgear products, supplying to clients worldwide. We would like to submit vacuum switching products past supply record as supporting credentials. Additionally, request to accept four purchase orders and dispatch-related documents for overseas customers as evidence of our expertise with Autorecloser products</p>	<p>Comply with specifications</p>

No.	ITEM	CLARIFICATIONS SOUGHT	KPLC REQUIREMENT / RESPONSE
	customers for the particular Autorecloser offered in this tender shall be furnished with the bid.		
18.	<ul style="list-style-type: none"> • KP1-6C-4-1-TSP-11-006 • Clause No. B4 • Factory Acceptance Test: c) Partial Discharge Test 	Individual pole partial discharge test can be conducted during manufacturing. KPLC can inspect partial discharge test during manufacturing stage. After complete assembly, partial discharge test is not possible.	Comply with specifications
19.	<ul style="list-style-type: none"> • KP1-13D-4-1-TSP-11-012 • Clause No. A7.5 • Factory Acceptance Test: iii) Partial Discharge Test 	Individual pole partial discharge test can be conducted during manufacturing. KPLC can inspect partial discharge test during manufacturing stage. After complete assembly, partial discharge test is not possible.	Comply with specifications
20.	<ul style="list-style-type: none"> • General • Tender Due Date 5th November 2024 	Considering the current festive season in India, which extends until the first week of November, the cost inputs from our vendors and local suppliers will be affected. We kindly request KPLC to extend the bid due date until the last week of November to offer most competitive prices for this BID.	The tender closing date has been extended to Wednesday 13 th November, 2024 at 10.00 A.M. It will be opened at 10.30 A.M at Stima Plaza, 3 rd floor, Supply Chain meeting room.
21.	<ul style="list-style-type: none"> • KP1-13D-4-1-TSP-11-012 • Clause No 4.4 • Ratings 	We kindly seek clarifications on the following in relation to the subject tender : Auto Recloser 11kv- Specification states that; short time withstand current and time is 21KA for 3 secs can we offer 16kA/3s?	Comply with specifications
22.	<ul style="list-style-type: none"> • KP1-13D-4-1-TSP-11-012 • Clause 4.10 • DC Voltage 	Clause 4.5.6.1 DC Battery System. Kindly confirm whether the battery configuration is parallel or series. Also confirm if the DC	Comply with specifications

No.	ITEM	CLARIFICATIONS SOUGHT	KPLC REQUIREMENT / RESPONSE
		system offered can sustain the charge for more than 8 hours without necessarily being >25 AmpH	

3. EXTENSION OF TENDER CLOSING DATE

Following the above clarifications, the tender closing has been extended to **Wednesday 13th November 2024 at 10.00 a.m.** and thereafter the tender will be opened at 10.30 a.m at Stima Plaza, 3rd floor, Supply Chain meeting room

All other terms and conditions remain the same.

Yours faithfully,

FOR: THE KENYA POWER & LIGHTING COMPANY PLC



DR. JOHN NGENO, OGW

GENERAL MANAGER, SUPPLY CHAIN & LOGISTICS

