

APPENDIX 1

1. Guaranteed Lead Time (GLT)

[This table shall be filled in by KPLC. The Required Completion Dates should be realistic, and consistent with the required Goods Delivery Dates (as per Incoterms)].

Tender No: KP1/9A.3/OT/48/23-24

Tender Name: PROCUREMENT OF PROTECTION RELAYS, BATTERY CHARGERS AND BATTERY BANKS AND 17.5KV INDOOR SWITCH GEAR AND PROTECTION PANEL BOARDS

Line Item N°	Description of Goods	Qty	Physical unit	Final Destination as specified in TDS (Store)	Guaranteed Lead Time (GLT)	
					KPLC Projected total Delivery Period (After issuance of LPO and approval of drawings and GTPS)	Tenderer's offered Total Delivery Period [to be provided by the tenderer] [insert the number of days taken to deliver following the date of commencement of the Contract]
Lot No.1 – Protection Relays						
1.	9 Step Capacitor Control Relay, Allan Bradley Make type Logix 5562 110VDC	2	PC	Bulk Store	6 Months	
2.	Transformer Differential Protection Relay 3W-Type II- SEL487E3X648XXCOX4H7440XX, 80 260VDC	7	PC	Bulk Store	6 Months	

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3.	Annunciator Relay 16 windows, 110VDC – Type 1, SACO16DI	23	PC	Bulk Store	6 Months	
4.	Annunciator Relay 32 windows, 110VDC – Type II, SACO16D3	16	PC	Bulk Store	6 Months	
5.	Feeder management (Over current and Earth Fault, SFF, AR) Relay with BCU functionality type REF541-KM115AAAA, 110VDC	18	PC	Bulk Store	6 Months	
6.	Feeder management (Over current and Earth Fault, SFF, AR) Relay with BCU functionality type REF615-HBFDACADNAA1BCNIXE, 110VDC	8	PC	Bulk Store	6 Months	
7.	Feeder management (Over current and Earth Fault, SFF, AR) Relay with BCU functionality type MICOMP139, size 40TE, 110VDC	9	PC	Bulk Store	6 Months	
8.	Tripping Relays with Electrical Reset, at least 4CO contacts $\geq 10A$, 0...250VDC, coil 110VDC, type 7PA2241	59	PC	Bulk Store	6 Months	

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9.	Tripping Relays with Electrical Reset, at least 4CO contacts , \geq 10A, 0...250VDC, coil 110VDC, type 7PA2331	59	PC	Bulk Store	6 Months	
10.	Tripping Relays with Self Reset, at least 8CO contacts , \geq 10A, 0...250VDC, coil 110VDC, type 7PA2241	59	PC	Bulk Store	6 Months	
11.	Distance Relay Type 1 for transmission range, type SEL421-4611XC2X3H64323XX, 110VDC	7	PC	Bulk Store	6 Months	
12.	Line differential Protection Relays Type 1 for transmission range, with backup distance protection , type 7SD5221,110VDC, MFLB No:7SD5221-5CB99-7GKO/GG	3	PC	Bulk Store	6 Months	
13.	Synchrocheck Relays type MAVSOILIABO751D-140393N, 110VDC	13	PC	Bulk Store	6 Months	

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14.	Single Phase trip circuit supervision Relays (TCS), 110VDC, at least 2NO/1NC contacts, small size type SPERI-1B1-C4 (ABB)	72	PC	Bulk Store	6 Months	
15	CEWE 3P4W power transducers type DPT 221-401, 110ac/1A,40 270VDC/AC power supply, 4 Analog outputs of 0 20MA MILLIAMPERE outputs, programmable for P,Q,V,& 1	16	PC	Bulk Store	6 Months	
16	Distance Relay Type REL650, for sub-transmission Range,110VDC	14	PC	Bulk Store	6 Months	
17	Feeder management Relay Type GE Multilin F650, with OC&EF, SEF, functionality of OC& EF protection, 110VDC	8	PC	Bulk Store	6 Months	
18	BCU for sub –transmission Range, Type REC650, with added protection functionality of OC&EF protection, 110VDC	14	PC	Bulk Store	6 Months	
19	BCU (bay control unit) of type REC670 for transmission range, 110VDC	2	PC	Bulk Store	6 Months	

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20	Three terminal differential protection Relay Type RET650 for sub-transmission, 110VDC	6	PC	Bulk Store	6 Months	
21	Feeder management (overcurrent & earth fault) Relay with BCU functionality type DPU2000 (REF544), 110VDC	4	PC	Bulk Store	6 Months	
22	Line distance protection Relays type 7SA5221-5DB00-4HR4/DD for transmission range, with backup overcurrent & Earth fault protection, type 7SA5221, 110VDC	3	PC	Bulk Store	6 Months	
23	HV connection differential protection Relay type 7VH8300-4CA04/FB for transmission range, Type 7VH8300, 110VDC	8	PC	Bulk Store	6 Months	
24	Voltage regulating relay Type MK30 voltage control Relay (MR Germany make) F22034, 110 125VDC power supply	7	PC	Bulk Store	6 Months	

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Lot No. 2 – Battery Chargers and Battery Banks						
1	110VDC Battery Charger 80A	11	Pc	Ruiru Store	6 Months	
2	110VDC Nickel-Cadmium Battery Bank 265AH	11	Pc	Ruiru Store	6 Months	
3	48VDC Battery Charger 50A	10	Pc	Ruiru Store	6 Months	
4	48VDC Nickel-Cadmium Battery Bank 110AH	10	Pc	Ruiru Store	6 Months	
5	30VDC Battery Charger 10A	20	Pc	Ruiru Store	6 Months	
6	30VDC Nickel-Cadmium Battery Bank 50AH	20	Pc	Ruiru Store	6 Months	

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LOT 3 - 17.5 Indoor Switch Gear and Protection Panel Boards							
1.		14 Member 17.5kV Switchgear and Protection Panel Board = 8 Feeder/Outgoing + 2 Incoming + 1BC/BS + 1 BR + 2BPTs 1600A	3	Pc	Bulk store	6 Months	
2.		18 Member 17.5kV Switchgear and Protection Panel Board = 12 Feeder/Outgoing + 2 Incoming + 1BC/BS + 1 BR + 2BPTs 2700A	2	Pc	Bulk store	6 Months	

LOT 4 – Panel Board Accessories

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1.	124138	Cable Gland brass 1"(25mm)	1,000	Pc	Bulk Store	6 months	
2.	124137	Cable Gland brass 1 1/4"(32mm)	1,000	Pc	Bulk Store	6 months	
3.	124139	Cable Gland brass 3/4"(20mm)	1,000	Pc	Bulk Store	6 months	
4.	113726	Cable tie nylon 100x2.5mm	200	Pc	Bulk Store	6 months	
5.	113727	Cable tie nylon 200x4.8mm	200		Bulk Store	6 months	
6.	113728	Cable tie nylon 300x4.8mm	200	Pc	Bulk Store	6 months	
7.	151120	Hardener dulex epoxy	100	Pc	Bulk Store	6 months	
8.	136420	Adhesive super fast bonding 2g	200	Pc	Bulk Store	6 months	
9.	132633	Spirit White 5L	50	Pc	Bulk Store	6 months	
10.	104415	Hacksaw blades 12x1 1/2	200	Pc	Bulk Store	6 months	
11.	146272	Connector ring terminal 2BA	2,000	Pc	Bulk Store	6 months	
12.	146271	Connector ring terminal 0BA	8,199	Pc	Bulk Store	6 months	
13.	128630	Cable indicator size I	40,000	Pc	Bulk Store	6 months	

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14.	128631	Cable indicator size II	40,000	Pc	Bulk Store	6 months	
15.	141532	Terminal blocks 6sqmm	3,000	Pc	Bulk Store	6 months	
16.	141237	On/Off Selector switch 5A	100	Pc	Bulk Store	6 months	
17.	New	Discrepancy control switch	400	Pc	Bulk Store	6 months	
18.	New	Semaphore indicators	400	Pc	Bulk Store	6 months	
19.	New	Bandit tapes 3/4"	10,000	Pc	Bulk Store	6 months	
20.	New	Bandit buckle 3/4"	200	Pc	Bulk Store	6 months	
21.	141230	Discrepancy control switch 110VDC	120	Pc	Bulk Store	6 months	
22.	141231	CB Open/Close control switch 16A	120	Pc	Bulk Store	6 months	
23.	141234	Local/Remote Selector switch	120	Pc	Bulk Store	6 months	
24.	141237	On /Off Selector switch 5A	100	Pc	Bulk Store	6 months	
25.	141239	LED Indication lamps - red 110VDC	5,000	Pc	Bulk Store	6 months	
26.	141241	LED Indication lamps - green 110VDC	5,000	Pc	Bulk Store	6 months	
27.	141243	Indication lamps - amber 110VDC	5,000	Pc	Bulk Store	6 months	

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28.	141244	Indication lamps - white 110VDC	5,000	Pc	Bulk Store	6 months	
29.	New	Miniature circuit breaker(MCB) DP 10A DC	50	Pc	Bulk Store	6 months	
30.	New	Miniature circuit breaker(MCB) DP 16A DC	50	Pc	Bulk Store	6 months	
31.	New	Miniature circuit breaker(MCB) TP 6A AC	50	Pc	Bulk Store	6 months	
32.	New	Miniature circuit breaker(MCB) SP 10A AC	50	Pc	Bulk Store	6 months	
33.	New	Pin terminal 2.5sqmm	50	Pc	Bulk Store	6 months	
34.	New	Adhesive tape double sided	50	Pc	Bulk Store	6 months	
35.	New	Cable trunking 33x65mmx2m	50	Pc	Bulk Store	6 months	
36.	New	Cable trunking 45x65mm x2m	50	Pc	Bulk Store	6 months	
37.	New	Cable trunking 65x65mm x2m	50	Pc	Bulk Store	6 months	
38.	New	Fire rated expansion foam	50	Pc	Bulk Store	6 months	
39.	New	Terminal blocks 6sqmm isolating	2,000	Pc	Bulk Store	6 months	