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Our Ref: KP1/9A.3/OT/20/23-24/JN/em

24th November, 2023

TO: ALL PROSPECTIVE BIDDERS

RE: ADDENDUM No.II, TENDER FOR SUPPLY OF SWITCHGEARS, ISOLATORS AND INSTRUMENT TRANSFORMERS. KP1/9A.3/OT/20/23-24.

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. AMENDMENT OF PRICE SCHEDULE, SCHEDULE OF REQUIREMENT AND GUARANTEED LEAD TIME (SECTION IV & V)

KPLC wish to notify the prospecting bidders that the status for the following items in the tender document has changed as shown below.

No.	Item Code	Item Description	New Status
Lot 1 - Switchgears			
5.	800059	Auto Recloser (Vwve) 33kv	Qty 87
Lot 2 - Isolators			
7.	148428	Auto Recloser 33kv	Removed

Consequently the Price Schedule, Schedule of Requirement and the Guaranteed Lead Time have been amended as per the attached **Appendices II (a), II (b) and II(c)**.

3. RESPONSE TO CLARIFICATIONS REQUIRED

A number of prospecting bidders have sought clarifications regarding the tender. We wish to respond as follows;

A

	Clarification Request	KPLC Response
1	Lot 1-Switchgear, Item No. 6& Lot 2 Isolators, Item No. 3 Code 188452, Isolator Air break Switch 3-pole 33kV Kindly provide rated normal currents in amperes	Manufacturers are advised as follows; Lot 1-Switchgear, Item No. 6 Isolator Airbreak Switch 3-Pole 33kv; Design to KP1-3CB-TSP-11-012-1 Specification for 33kV disconnecter Substation Type (2012-02-01, Issue 1 Rev 0) Lot 2-Switchgear, Item No. 3 Isolator Airbreak Switch 3-Pole 33kv; Design to KP1-13D-4-1-TSP-11-012 Specification for 33KV Isolator(Disconnecter)-Overhead line Type (2023-08-12, Issue 2 Rev 1)

B.

	Clarification Request	KPLC Response
1	In 220kV, 132kV,66kV,33kV Current Transformers Specifications, Core details are not matching with price schedule items core details	See rating details on F: Table 1-1: below Specification Documents for tendered Instrument Transformers
2	In 220kV Current Transformer Specification, Altitude mentioned is 2450m, however in other products, specification altitude mentioned is 2200m above the sea level.	The service condition altitude for 220kV Current transformers shall be 2200m
3	Circuit Breaker 33kV 3PH Vacuum O/D Please confirm if we can offer SF6 Breaker	Manufacture to specification requirements
4	33kV Inductive Voltage transformer Specification provided for 33kV IVT with 2LV winding 3P & 0.5 However, in BOQ only class 0.2 is mentioned. Please clarify the exact requirement.	Design to Specification KP1-13D-4-1-10-010(2021-05-26) clause 4.2.1.1 (Refer to adjusted ratings on Table 1-3 on H below)
5	Kindly provide suitable editable data sheet	Specifications documents are provided in PDF for purposes of safeguarding data integrity for KPLC specification requirements

C

	Clarification Request	KPLC Response
1	TSP/12/012 Clause 4.1.4 the minimum short time withstand current mentioned is 12.5kA for 3 sec, where as in clause 4.4 is 21kA. Confirm the exact requirement given that in the previous, the STC was amended to 16kA for 3 secs in order to	Manufacturers to design with previously amended minimum short time withstand current values of 16kA for 3 seconds.

	Clarification Request	KPLC Response
	meet the network requirements and avoid overdesign of the equipment.	
2	TSP/12/012 Clause 4.2.17-4.2.20 on the schedule of GTP, the creepage distance requirements is 1216mm. This is much more than the 31kV/mm. Kindly confirm that it should be 372mm	Creepage distance has been specified as 372mm on the Table at clause 4.4 -Ratings on KP1-13D-4-1-TSP-12-012 : 11kV Vacuum Auto Reclosures Specification (2019-05-30, Issue 6 , Revision 0)
3	TSP/12/012-Clause 4.5.6.2 the battery shall provide control supply to operate (open/close) the auto reclosure primary unit. Calculations shall be provided showing how many open/close operations a fully charged battery can perform without getting discharged. The hold up time shall be at least 12hours. Clause 4.9.5.2 -the battery capacity shall be >25Ah Could these two clauses be harmonized to either having the manufacturer optimized design capacity that gives the 12hours hold up time or fixed battery capacity of >25Ah irrespective of the design.	Manufacturers to strictly maintain both requirements for battery ; (i) Be of >25Ah(4.9.5.2) (ii) Hold up power for control circuit for up to 12hrs(4.5.6.2)
4	ITT 14.2-The only currency required on this tender is Kenya Shillings for local bidders and USD for foreign bidders. With current fluctuations on the foreign exchange rates, kindly allow all bidders to quote in foreign currency (USD). The USD/KES CBK exchange rate has changed from 124.4 in January to 151.83 in November. The CBK exchange rate is different from actual transactional exchange rate in the banks which is about 4 to 8 KES more and the final value of the exchange rate regime, the risk should not be transferred to suppliers and manufacture as they are not responsible for volatility. EPRA and KPLC bill have adjusted for fuel and exchange rate that recognizes this fluctuation.	The currency required on this tender is Kenya Shillings for local bidders and USD for foreign bidders.
5	ITT 15.2 Item 5 Type test Certificates and type test reports shall not be more than five(5yrs) years old prior to the date of tender document-for products that have had no fundamental change in design or standards have not been changed over	Manufacturers to comply with validity requirement of the type test certificates and reports.

	Clarification Request	KPLC Response
	the last 5yrs and therefore no need for new type test. Kindly allow the older type test for these products considering they meet KPLC specifications.	
6	Price schedule Lot 3 Item 535046 Current transformer 1500/5A 10-15VA. Kindly confirm the voltage rating for this item.	The Item was removed from list. Please refer to Addendum I, Appendices I(a), I(b) and I(c)
7	TSP 10-010 for 33kV VTs -The specifications document mentions 2 cores of classes 0.5 and 3P while the price schedule mentions class 0.2. Kindly advise on the VT ratios, classes, and burdens for each core of VTs required in the tender.	Refer to B (item No. 4)
8	<p>(In KPLC1-3CB-TSP-11-012-1) Clause 4.2.15, Each phase shall be mounted on a spiral type solid porcelain insulator conforming to IEC 60273, and shall be fitted with clamp connector for ACSR conductor up to 18.2mm diameter and copper or aluminum busbar tube of up to 76mm diameter.</p> <p>(In KP1-13D-4-1-TSP-10-006) clause 4.2.12.3 Conductor overall diameter shall be between 18.3mm to 25mm and busbar tube tubes of 76.2mm diameter</p> <p>(In KP1-3CB-TSP-10-009-2) clause 4.2.9.2 It shall have palm clamp connectors suitable for both stranded conductor and tube connections. Conductors overall diameter shall be 18.3mm to 25mm and busbar tubes of 76.2mm diameter.</p> <p>Since there is no single connector that is suitable for both conductor size of 18.2 mm and tube busbar of size 76mm diameter.</p> <p>Clarify whether the two connectors are required or it is only one type that is required i.e. conductor clamp connector or busbar tube connector</p>	<p>(i)KPLC1-3CB-TSP-11-012-1 Clause 4.2.15 & KP1-13D-4-1-TSP-11-012 Clause 4.2.12, Manufacturer to design with a palm clamp connectors that are suitable for Conductor of overall diameter of between 18.3mm to 25mm</p> <p>(ii)KP1-13D-4-1-TSP-10-006 clause 4.2.12.3 Manufacturer to design with a palm clamp connectors that are suitable for Conductor of overall diameter of between 18.3mm to 25mm</p> <p>(iii)KP1-3CB-TSP-10-009-2 clause 4.2.9.2: Manufacturer to design with a palm clamp connectors that are suitable for Conductor of overall diameter of between 18.3mm to 25mm</p>

D

	Clarification Request	KPLC Response
1	We have noted that the GTP section of the Ring Main Unit has omitted many clauses in the specification document which makes it difficult to ascertain whether the offer provided by the	Manufacturers to respond to each and every requirement as presented on the body of the specification documents. In case of discrepancies or omissions on GTP, the body of the

	Clarification Request	KPLC Response
	<p>manufacturer complies with major sections of the specifications document.</p> <p>Considering that even during final GTP and drawings approval stage, standards department usually reviews compliances clause by clause, the GTP is filled as it becomes difficult for that to be achieved.</p> <p>Kindly consider in order to make it easier for manufacturer and bidders</p>	<p>specification and its clause by clause descriptions shall apply.</p>

E.

	Clarification Request	KPLC Response
1	<p>KP1/9A.3/OT/20/23-24 Lot 3 Instrument Transformers KP1/13D/4/1/TSP/10/006 36kV Current Transformers Specification (P11-4.3 Ratings) 800136-33kV Current Transformer CTs 400-200/1</p> <p>According to the page 11 in the technical specification, there are 2 specifications of type II and type III of 33kV CTs 400-200/1</p> <p>Which type, accuracy class and rated burden is required? Please clarify</p>	<p>Manufacturers to design the 36kV Current Transformers as specified in Clause 4.3 Table 1 CT Type II of KP1/13D/4/1/TSP/10/006 (2022-11-18)</p>
2	<p>KP1/9A.3/OT/20/23-24 Lot 3 Instrument Transformers KP1/13D/4/1/TSP/10/006 36kV Current Transformers Specification (P11-4.3 Ratings) 800137-33kV Current Transformer CTs 400-200/1</p> <p>The technical specifications for the CTs 200-100/1-1-1 are not described. Please provide detailed description of the technical parameters. Please kindly clarify that</p>	<p>Manufacturers to design the 36kV Current Transformers as specified in Clause 4.3 Table 1 CT Type III of KP1/13D/4/1/TSP/10/006 (2022-11-18)</p>
3	<p>KP1/9A.3/OT/20/23-24 Table 3: Capacity Declaration Form Form 3.1 Manufacturers Capacity Declaration Form (P43-No.5) Manufacturers Experience (From date plant was established) Minimum 5 years.</p>	<p>The manufacturer shall have a minimum of 25 years of manufacturing experience as described in Appendix E1 on KP1-13D-4-1-TSP-10-006 (2022-11-18): 36kV Current Transformer Specification Issue 1, Revision 2 issued on 18th November 2022.</p>

Clarification Request	KPLC Response
<p>There is an inconsistency in the requirement of the manufacturers experience in the bidding document</p> <p>The minimum 5 years is required in the commercial part, but the technical Specifications of the item are inconsistent with the business tender manufacturers experience.</p> <p>We suggest to refer to the requirements of the Capacity Declaration Form in the Commercial Document Section, which should be at least 5 years from date plant established. Please clarify that</p>	

F: Table 1-1 Specification Documents for tendered Instrument Transformers

1.	66kV Current Transformer 100-50/1-1-1A	Design to Specification KP1-13D-4-1-10-005(2021-05-25) clause 4.3 Table 1; + Type IV(On G: Table 1-2 below)
2.	132kv Current Transformer 400-200/1-1-1	Design to Specification KP1-13D-4-1-10-018(2021-05-25) clause 4.3 Table 1; Type I
3.	220kv Current Transformer 800-400/1/1/1/1/1A	Design to Specification KP1-13D-4-1-10-033 (2021-05-25) clause 4.3 Table 1; Type I
4.	66kV Current Transformer 400-200/1-1-1	Design to Specification KP1-13D-4-1-10-005(2021-05-25) clause 4.3 , Table 1+ Type III(On G: Table 1-2 below)
5.	33kV Current Transformer CTs 400-200/1-1-1	Design to Specification KP1-13D-4-1-10-006 (2022-11-18) clause 4.3 Table 1; Type II
6.	33kV Current Transformer CTs 200-100/1-1-1	Design to Specification KP1-13D-4-1-10-006 (2022-11-18) Table 1; + Type III of clause 4.3
7.	66kV Current Transformer 200-100/1-1-1	Design to Specification KP1-13D-4-1-10-005(2021-05-25) clause 4.3 Table 1; + Type III(On G: Table 1-2 below)
8.	33kV Current Transformer 100-50/1	Design to Specification KP1-13D-4-1-10-006 (2022-11-18) clause 4.3 Table 1; Type IV
9.	Current Transformer. 1500/5A 10-15VA	Item removed from tender
10.	Voltage TX 33kv 33000 R3/110/R3V CLASS 0.2	Design to Specification KP1-3CB-TSP-10-010-2 (2021-05-26)
11.	66kv Voltage Transformers 66000/110v (Capacitive)	Design to Specification KP1-3CB-TSP-10-009-2 (2013-13-25)

G: Table 1-2 Ratings for Additional 72.5kV Current transformers Types

Description	Requirements
Type of CT	Type III
Rated Primary Current	400A
Rated Secondary Current	1A
Rated short circuit withstand current, duration.	31.5 kA, 3 seconds
Rated Dynamic Current	79kA

Description		Requirements
CT Ratio		400-200-100/1-1-1A
Accuracy class and rated burden	Core 1	Class 0.5, 30VA, IFS ≤ 10, Rct@75°C ≤ 7.5 Ω
	Core 2	Class 5PR20, 30VA, V _k ≥ 350V
	Core 3	Class PX, V _k = 350V, I _k ≤ 30mA, Rct ≤ 3 Ω
Type of CT		Type IV
Rated Primary Current		100A
Rated Secondary Current		1A
Rated short circuit withstand current, duration.		31.5 kA, 3 seconds
Rated Dynamic Current		79kA
CT Ratio		100-50/1-1-1A
Accuracy class and rated burden	Core 1	Class 0.5, 30VA, IFS ≤ 10, Rct@75°C ≤ 7.5 Ω
	Core 2	Class 5PR20, 30VA, V _k ≥ 350V
	Core 3	Class 0.2, 30VA, IFS ≤ 10, Rct@75OC ≤ 7.5 Ω

H: Table 1-3 Table 1-3 Ratings for 33kV Voltage Transformer

Item	Parameter			Value	
1	Nominal primary voltage			33000/√3 Volts	
2	Nominal Secondary Voltage			110√3 Volts	
3	Highest Rated Equipment Voltage			36kV	
4	Rated frequency			50Hz	
5	Minimum creepage distance of insulator			1120mm	
6	Minimum lightning impulse withstand voltage primary winding			200kV (peak)	
7	Minimum power frequency withstands voltage primary windings, dry			95kV (rms)	
8	Minimum power frequency withstands voltage secondary windings, rms			5kV (rms)	
9	Max Temp rise	Windings		65K	
		Oil tank		55K	
10	Rated voltage factor	Continuous		1.2	
		For 30sec		1.5	
11	Permissible partial discharge (PD)	PD test voltage (rms)=U _m		≤10pC	
		PD test voltage (rms)=1.2U _m √3		≤5pC	
12	Rated Temperature range of Equipment			-5°C to 50°C	
13	Secondary windings	Terminal Markings	Voltage Output	Class	VA(pf 0.8 lagging)
	Core 1	1a-1n	110√3	0.5	75
	Core 2	2a-2n	110√3	0.5	150
	Core 3	3a-3n	110√3	0.2	75

4. TECHNICAL SPECIFICATIONS FOR ISOLATOR AIR BREAK SWITCH 3-POLE 33 KV

The prospecting bidders are notified that the Specification below which had been withdrawn from the portal through Addendum 1 has been reinstated.

SPECIFICATION	ITEM
KPLC1/3CB/TSP/11/012-1 (Part 1)	Isolator Airbreak Switch 3-Pole 33kv (Disconnecter)

5. TENDER CLOSING DATE

As a result of the above clarifications, the tender closing date has been extended from Friday 1st December, 2023 to **Tuesday 5th December, 2023 at 10.00 a.m.** to give the prospecting bidders sufficient time to prepare their bids.

All other terms and conditions remain the same.

Yours faithfully,

FOR: THE KENYA POWER & LIGHTING COMPANY PLC



DR. JOHN NGENO

GENERAL MANAGER, SUPPLY CHAIN & LOGISTICS

Appendix I(a)

Item No.	Code	Description	Final Destination as specified in TDS	Physical Unit	Quantities Required	Unit Price DDP/DAP VAT Exclusive	Total Price DDP/DAP VAT Exclusive
List of Goods							
LOT 1 - SWITCHGEARS							
1	147903	Circuit Breaker 33kV 3PH Vacuum O/D.	Nairobi South	Pc	31		
2	199301	66KV outdoor Circuit Breaker SF6	Nairobi South	Pc	20		
4	188438	Isolator Airbreak Switch 3- Pole 11kv	Nairobi South	Pc	460		
5.	800059	Auto Recloser (Vwve)33kv	Nairobi South	Pc	87		
6.	188452	Isolator Airbreak Switch 3-Pole 33kv	Nairobi South	Pc	463		
8.	497028	Auto reclosure 11kv	Nairobi South	Pc	80		
9.	186933	LB5 (Mounting Stoik 11kv Airbreak Switch)	Nairobi South	Pc	100		
Lot Sub-Totals VAT Exclusive							
Add 16% VAT							
Lot Total Price VAT Inclusive							
Lot No. 2. ISOLATORS							
1	185135	Isolator Solid Link 33kv	Nairobi South	Pc	369		
2	188447	Isolator Solid Link 11kv 400a	Nairobi South	Pc	591		
4	188548	Isolator A/Break Switch 3-Pole 11kv 800a	Nairobi South	Pc	151		
5	154748	Ring Main Unit 11kv	Nairobi South	Pc	15		
6	188470	Isolators 220KV c/w Earth Switch	Nairobi South	Pc	15		
7	188478	Isolators 220KV without Earth	Nairobi South	Pc	15		
8	188471	Isolators 132KV c/w Earth Switch	Nairobi South	Pc	20		
9	188472	Isolators 132KV without Earth	Nairobi South	Pc	20		
10	188568	66KV Outdoor Isolators without Earth Switch	Nairobi South	pc	15		
11	188467	66KV Disconnecter Switch Without Earth	Nairobi South	Pc	39		
12	188468	66KV Disconnecter switch with Earth Switch	Nairobi South	pc	15		
Lot Sub-Totals VAT Exclusive							
Add 16% VAT							
Lot Total Price VAT Inclusive							

Item No.	Code	Description	Final Destination as specified in TDS	Physical Unit	Quantities Required	Unit Price DDP/DAP VAT Exclusive	Total Price DDP/DAP VAT Exclusive
LOT 3 - INSTRUMENT TRANSFORMERS							
1.	199305	66KV Current Transformer 100-50/1-1-1A	Nairobi South	Pc	12		
2.	199391	132kv Current Transformer 400-200/1-1-1	Nairobi South	Pc	12		
3.	199454	220kv Current Transformer 800-400/1/1/1/1/1A	Nairobi South	Pc	6		
4.	800134	66kV Current Transformer 400-200/1-1-1	Nairobi South	Pc	30		
5.	800136	33kV Current Transformer CTs 400-200/1-1-1	Nairobi South	Pc	31		
6.	800137	33kV Current Transformer CTs 200-100/1-1-1	Nairobi South	Pc	31		
7.	800676	66kV Current Transformer 200-100/1-1-1	Nairobi South	Pc	15		
8.	800137	33kV Current Transformer 100-50/1	Nairobi South	Pc	22		
10.	800147	Voltage TX 33kv 33000 R3/110/R3V CLASS 0.2	Nairobi South	Pc	30		
11.	800139	66kv Voltage Transformers 66000/110v (Capacitive)	Nairobi South	Pc	15		
Lot Sub-Totals						VAT Exclusive	
						Add 16% VAT	
Lot Total Price						VAT Inclusive	

SECTION V - SCHEDULE OF REQUIREMENTS

Appendix II

1. List of Goods and Delivery Schedule

[KPLC shall fill in this table, with the exception of the column "Tenderer's offered Delivery date" to be filled by the tenderer]

Tender No: KP1/9A.3/OT/20/23-24

Tender Name: SUPPLY OF SWITCHGEARS, ISOLATORS AND INSTRUMENT TRANSFORMERS

Line Item No	Item Code	Description of Goods	Quantity	Physical unit	Final Destination as specified in TDS (Store)	Incoterms (DDP)/DAP	Tick item offered
Lot No.1 - SWITCHGEARS							
1	147903	Circuit Breaker 33kV 3PH Vacuum O/D.	31	Pc	Nairobi South	DDP/DAP	
2	199301	66KV outdoor Circuit Breaker SF6	20	Pc	Nairobi South	DDP/DAP	
4	188438	Isolator Airbreak Switch 3- Pole 11kv	460	Pc	Nairobi South	DDP/DAP	
5.	800059	Auto Recloser (Vwve)33kv	87	Pc	Nairobi South	DDP/DAP	
6.	188452	Isolator Airbreak Switch 3-Pole 33kv	463	pc			
8.	497028	Auto reclosure 11kv	80	Pc	Nairobi South	DDP/DAP	
9.	186933	LBS (Mounting Stalk 11kv Airbreak Switch)	100	Pc	Nairobi South	DDP/DAP	
Lot No.2 - ISOLATORS							
1	185135	Isolator Solid Link 33kv	369	Pc	Nairobi South	DDP/DAP	
2	188447	Isolator Solid Link 11kv 400a	591	Pc	Nairobi South	DDP/DAP	
4	188548	Isolator A/Break Switch 3-Pole 11kv 800a	151	Pc	Nairobi South	DDP/DAP	
5	154748	Ring Main Unit 11kv	15	Pc	Nairobi South	DDP/DAP	
6	188470	Isolators 220kV c/w Earth Switch	15				
7	188478	Isolators 220kV without Earth	15	Pc	Nairobi South	DDP/DAP	
8	188471	Isolators 132kV c/w Earth Switch	20	Pc	Nairobi South	DDP/DAP	
9	188472	Isolators 132kV without Earth	20	Pc	Nairobi South	DDP/DAP	
10	188568	66KV Outdoor Isolators without Earth Switch	15	Pc	Nairobi South	DDP/DAP	
11	188467	66KV Disconnect Switch Without Earth	39	Pc	Nairobi South	DDP/DAP	
12	188468	66KV Disconnect switch with Earth Switch	15	Pc	Nairobi South	DDP/DAP	
LOT 3 - INSTRUMENT TRANSFORMERS							
1.	199305	66K V Current Transformer 100-50/1-1-1A	12	Pc	Nairobi South	DDP/DAP	
2.	199391	132kv Current Transformer 400-200/1-1-1	12	Pc	Nairobi South	DDP/DAP	
3.	199454	220kv Current Transformer 800-400/1/1/1/1/1A	6	Pc	Nairobi South	DDP/DAP	
4.	800134	66kV Current Transformer 400-200/1-1-1	30	Pc	Nairobi South	DDP/DAP	

Line Item N°	Item Code	Description of Goods	Quantity	Physical unit	Final Destination as specified in TDS (Store)	Incoterms (DDP)/DAP	Tick item offerd
5.	800136	33kV Current Transformer CTs 400-200/1-1-1	31	Pc	Nairobi South	DDP/DAP	
6.	800137	33kV Current Transformer CTs 200-100/1-1-1	31	Pc	Nairobi South	DDP/DAP	
7.	800676	66kV Current Transformer 200-100/1-1-1	15	Pc	Nairobi South	DDP/DAP	
8.	800137	33kV Current Transformer 100-50/1	22	Pc	Nairobi South	DDP/DAP	
10.	800147	Voltage TX 33kv 33000 R3/110/R3V CLASS 0.2	30	Pc	Nairobi South	DDP/DAP	
11.	800139	66kv Voltage Transformers 66000/110v (Capacitive)	15	Pc	Nairobi South	DDP/DAP	

Annex IIc

2. 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: KP/19A.3/OT/20/23-24

Tender Name: SUPPLY OF SWITCHGEARS, ISOLATORS AND INSTRUMENT TRANSFORMERS

Line Item N°	Item Code	Description of Goods	Quantity	Physical unit	Final Destination as specified in TDS (Store)	Incoterms (DDP/DAP)	Guaranteed Lead Time (GLT)	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 - SWITCHGEARS								
1	147903	Circuit Breaker 33kV 3PH Vacuum O/D.	31	Pc	Bulk Store	DDP/DAP	5 months	
2	199301	66KV outdoor Circuit Breaker SF6	20	Pc	Bulk Store	DDP/DAP	5 months	
4	188438	Isolator Airbreak Switch 3- Pole 11kv	460	Pc	Bulk Store	DDP/DAP	5 months	
5.	800059	Auto Recloser (Vwve)33kv	87	Pc	Bulk Store	DDP/DAP	5 Months	
6.	188452	Isolator Airbreak Switch 3-Pole 33kv	463			DDP/DAP		
8.	497028	Auto reclosure 11kv	80	Pc	Bulk Store	DDP/DAP	5 months	
9.	186933	LBS (Mounting Stalk 11kv Aibreak Switch)	100	Pc	Bulk Store	DDP/DAP	5 months	
Lot No.2. ISOLATORS								
1.				Pc	Nairobi South	DDP/DAP	5 months	
	185135	Isolator Solid Link 33kv	369					
2.				Pc	Nairobi South	DDP/DAP	5 months	
	188447	Isolator Solid Link 11kv 400a	591					
3.				Pc	Nairobi South	DDP/DAP	5 months	
	188548	Isolator A/Break Switch 3-Pole 11kv 800a	151					
4.				Pc	Nairobi South	DDP/DAP	5 monthss	
	154748	Ring Main Unit 11kv	15					
5.								
	188470	Isolators 220kV c/w Earth Switch	15					
6.				Pc	Nairobi South	DDP/DAP	5 months	
	188478	Isolators 220kV without Earth	15					
7.				Pc	Nairobi Sout	DDP/DAP	5 months	
	188471	Isolators 132kV c/w Earth Switch	20					

8.	188472	Isolators 132kV without Earth	20	Pc	Nairobi South	DDP/DAP	5 months	
9.	188568	66kV Outdoor Isolators without Earth Switch	15	Pc	Nairobi South	DDP/DAP	5 months	
10.	188467	66KV Disconnecter Switch Without Earth	39	Pc	Nairobi South	DDP/DAP	5 months	
11.	188468	66KV Disconnecter switch with Earth Switch	15	Pc	Nairobi South	DDP/DAP	5 Months	
LOT 3 – INSTRUMENT TRANSFORMERS								
1.	199305	66KV Current Transformer 100-50/1-1-1A	12	Pc	Nairobi South	DDP/DAP	5 months	
2.	199391	132kv Current Transformer 400-200/1-1-1	12	Pc	Nairobi South	DDP/DAP	5 months	
3.	199454	220kv Current Transformer 800-400/1/1/1/1/1A	6	Pc	Nairobi South	DDP/DAP	5 months	
4.	800134	66kV Current Transformer 400-200/1-1-1	30	Pc	Nairobi South	DDP/DAP	5 months	
5.	800136	33kV Current Transformer CTs 400-200/1-1-1	31	Pc	Nairobi South	DDP/DAP	5 months	
6.	800137	33kV Current Transformer CTs 200-100/1-1-1	31	Pc	Nairobi South	DDP/DAP	5 Months	
7	800676	66kV Current Transformer 200-100/1-1-1	15	Pc	Nairobi South	DDP/DAP	5 months	
8	800137	33kV Current Transformer 100-50/1	22	Pc	Nairobi South	DDP/DAP	5 months	
10	800147	Voltage TX 33kv 33000 R3/110/R3V CLASS 0.2	30	Pc	Nairobi South	DDP/DAP	5 months	
11	800139	66kv Voltage Transformers 66000/110v (Capacitive)	15	Pc	Nairobi South	DDP/DAP	5 months	