

The Kenya Power & Lighting Co. Ltd. Central Office — P.O. Box 30099, Nairobi, Kenya Telephone — 254-02-3201000-Telegrams 'ELECTRIC'- www.kenyapower.co.ke Stima Plaza, Kolobot Road

Our Ref: KP1/6E.3/PT/1/19/A70

20th December 2019

Dear Sir/ Madam:

AMENDMENT NO. 1 TO ICB NO: KP1/6E.3/PT/1/19/A70 FOR PROCUREMENT OF DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF EXTENSIONS OF MV LINES, LV SINGLE PHASE LINES AND SERVICE CABLES FOR THE LAST MILE CONNECTIVITY PROJECT- AFD/EU PROJECT DATED 3RD DECEMBER, 2019

The following amendments are made to the specific provisions of the issued bidding document for Procurement of Design, Supply, Installation and Commissioning of Extensions of MV Lines, LV Single Phase Lines and Service Cables for the Last Mile Connectivity Project - AFD/EU Project.

SECTION II - BID DATA SHEET

1. The following clauses have been amended to read as follows:

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ITB 11.1 (i)	The Bidder shall submit the following additional documents (for major items to be supplied) in its bid:
,	 Manufacturer's authorizations in case the bidder is not a manufacturer Manufacturer's ISO 9001:2008 (or higher) or equivalent Quality Management System. A copy of such certificate shall be submitted with the bid. Guaranteed Technical Particulars (GTPs)/ characteristics duly completed and signed by the bidder per Annex A of the Guaranteed Technical Specifications. Type Tests certificates from accredited Laboratories as required in the Technical Specifications The accreditation certificate for the testing laboratory Bidders shall provide additional information such as brochures/catalogues/drawings describing in detail the proposed items. The Manufacturer's Declaration of Conformity to reference standards. Documentary Evidence indicating manufacturers Supplies record as follows; (a) List of manufacturer's customer sales records submitted to support the offer
21	(b) Details of the supply contracts:
	i) The Client's name, address and contact person as well as its location.

	ii) Copies of signed contracts, award letters, and Purchase Orders indicating quantity supplied under the contract amount		
	• Manufacturer's warranty as stipulated in Section III – Evaluation Criteria. The following are the major items;		
	No. Description		
	1 11kv and 33kv Transformers		
	2 Conductors (75 Sqmm ACSR, 50 Sqmm PVC Insulated AA, 50 Sqmm bare AA)		
	3 Service Cables (10 Sqmm Concentric Al)		
	4 Poles (Wooden and Concrete)		
	5 Insulators (11kv, 33kv and LV)		
	6 11kv and 33kv Isolators (Expulsion Fuse Mounts and Isolator Solid Links)		
	7 Meter Boxes		
	8 Ready Boards		
	9 11kV & 33kV Aerial Bundled Cables & Accessories		
	The bidder shall also submit a valid ISO certificate or equivalent Quality Management System copy. If bidding as a Joint Venture (JV), valid ISO certificate or equivalent Quality Management System copies of all the partners shall be submitted.		
ITB 15.1	The unit rates and prices shall be quoted by the Bidder in the Schedules separately in the following currencies:		
	(i) For those inputs to the Works that the Bidder expects to supply from within the Employer's country, in Kenya Shilling (Ksh) , which is the "local currency"; and		
	(ii) For those inputs to the Works that the Bidder expects to supply from outside the Employer's country (referred to as "the foreign currency requirements"), in Euros (€).		
	Named place of destination in accordance with INCOTERMS 2010 is: (i) Lot 1 – CIP – KPLC Project Sites (counties: Nandi, Uasin Gishu, Trans Nzoia, Bungoma and West Pokot)		
	(ii) Lot 2 – CIP – KPLC Project Sites (counties: Kisumu, Siaya, Vihiga, Busia and Kakamega) (iii) Lot 3 – CIP – KPLC Project Sites (counties: Homabay, Kisii, Migori, Nyamira		
	and Bomet)		
	(iv) Lot 4 – CIP – KPLC Project Sites (counties: Nyandarua, Nakuru, Narok, Laikipia, Nyeri and Kericho)		
	(v) Lot 5 – CIP – KPLC Project Sites (counties: Embu, Kirinyaga, Muranga, Meru		
	and Tharaka-Nithi) (vi) Lot 6 – CIP – KPLC Project Sites (counties: Kajiado, Makueni, Kitui, Kilifi,		
	Kwale and Taita Taveta.)		
ITB 14.2	Schedule 4 Lots 1 to 6 has been amended to capture the correct codes as per Annex 1 attached.		
ITB 19.1	A Bid Security shall be required.		
Bid Security	A Bid-Securing Declaration <i>shall not</i> be required.		
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The Bidder shall furnish, as part of its Bid, a Bid security for the amount specified below (based on associated Lot(s)). The Original Bid Security, in a clearly labelled envelop, shall be deposited in the Tender Security Box at Stima Plaza 3rd Floor KPLC Supply Chain – (Procurement Department,) on or before the opening date and time and receipt acknowledged by KPLC evidenced by a stamped copy.

The Bidder shall furnish a bid security in the form of a **Bank Guarantee Only**; the amount and currency of the bid security shall be:

Lot No	Bid Security Amount in EUR	Bid Security Amount in KES
KP1/6E.3/PT/1/19/A70 LOT 1	164,200	18,472,500
KP1/6E.3/PT/1/19/A70 LOT 2	168,000	18,900,000
KP1/6E.3/PT/1/19/A70 LOT 3	195,400	21,982,500
KP1/6E.3/PT/1/19/A70 LOT 4	125,700	14,141,250
KP1/6E.3/PT/1/19/A70 LOT 5	128,300	14,433,750
KP1/6E.3/PT/1/19/A70 LOT 6	188,400	21,195,000

SECTION VII - WORK REQUIREMENTS

2. Item No. 3 - **Detailed Technical Specifications** has been amended to read as follows:

This part of the Specification covers the specific requirements for design, manufacture, work testing, delivery, transport, installation, site testing of 33kV/11kV overhead distribution MV lines and low voltage lines. Design and manufacture of all the line Hardware shall be in accordance with the attached specifications and drawings for the following Items:

No.	ITEM	TITLE	DOCUMENT	DATE
			No.	
1	33/0.420kV Distribution Transformer	Specification for distribution transformer Part 2- Pole Mounted Three Phase Oil Type Transformer specifications	TSP/10/001-2	Issue 5, Rev 1 2015-09-02
2	33/0.242kV Distribution Transformer	Specification for distribution transformer Part 1- Pole mounted Single Phase Oil Type Transformer Specifications	TSP/10/001-1	Issue 5, Rev 0 2015-07-02

No.	ITEM	TITLE	DOCUMENT No.	DATE
3	11/0.420kV Distribution Transformer	Specification for distribution transformer Part 2- Pole Mounted Three Phase Oil Type Transformer specifications	TSP/10/001-2	Issue 5, Rev 1 2015-09-02
4	1·1/0.242kV Distribution Transformer	Specification for distribution transformer Part 1- Pole mounted Single Phase Oil Type Transformer Specifications	TSP/10/001-1	Issue 5, Rev 0 2015-07-02
5	75mmsq ACSR conductor	Specifications for aluminum conductors steel reinforced Part 2- 75mm2 – 150mm2 Bare and PVC covered	TSP/06/022-2	Issue 2, Rev 0 2015-08-19
6	50MMSQ AA conductor	Specification for all aluminum conductors (Bare & PVC covered) Part 2- without laser marking on center strand	TSP/06/020-2	Issue 3, Rev 0 2013-03-25
7	10mm2 PVC insulated single phase concentric aluminum service cable (Without two core copper communication cable)	Specification for PVC insulated single phase concentric aluminum cables (low voltage)	TSP/05/004	Issue 2, Rev 2 2015-02-18
8	10m concrete poles .	Specification for prestressed concrete poles without holes & without joints, with or without earthing	TSP/03/005-1	Issue 2, Rev 3 2018-06-29
9	10m wooden poles	Specification for treated wood poles – part 1- Eucalyptus poles	TSP/03/001	Issue 6, Rev 2 2015-02-19
10	11m concrete poles	Specification for prestressed concrete poles without holes & without joints, with or without earthing	TSP/03/005-1	Issue 2, Rev 3 2018-06-29
11	11m wooden poles	Specification for treated wood poles – part 1- Eucalyptus poles	TSP/03/001	Issue 6, Rev 2 2015-02-19
12	12m concrete poles	Specification for prestressed concrete poles without holes & without joints, with or without earthing	TSP/03/005-1	Issue 2, Rev 3 2018-06-29
13	12m wooden poles	Specification for treated wood poles – part 1- Eucalyptus poles	TSP/03/001	Issue 6, Rev 2 2015-02-19

No.	ITEM	TITLE	DOCUMENT No.	DATE.
14	14m concrete poles	Specification for prestressed concrete poles without holes & without joints, with or without earthing	TSP/03/005-1	Issue 2, Rev 3 2018-06-29
15	14m wooden poles	Specification for treated wood poles – part 1- Eucalyptus poles	TSP/03/001	Issue 6, Rev 2 2015-02-19
16	Pole signs (Number plates, danger plates, barbed wire)	Specification for safety pole signs accessories	TSP/02/002	Issue 2, Rev 2 2016-03-11
	plates, barbed wire)	Barbed wire	no SPEC	•
17	Shackle Insulator	Specifications for low voltage insulators – shackle insulators LV	TSP/04/011	Issue 1, Rev 2 2015-05-18
18	Stay wires and guy grips	Specification for stay wires and guy grips	TSP/03/021	Issue 2, Rev 0 2016-06-03
19	Pole Mounted Low Voltage Moulded Case Circuit Breakers (MCCB) in Enclosure	Pole Mounted Low Voltage Moulded Case Circuit Breakers (MCCB) in Enclusure - Specification	TSP/11/043	Issue 1, Rev 1 2017-11-24
20	Aluminum binding wire	Aluminum binding wire - Specification	TSP/06/035	Issue 1; Rev 2 2017-05-10
21	11kV & 33kV composite insulators (Suspension – Tension insulators)	11kV and 33kV composite insulators part 3- suspension-tension insulators for inland applications	TSP/04/017-1	Issue 2, Rev 1 2016-09-02
22	11kV & 33kV composite	Specification for 11&33kV composite insulators Part 2: Pin type	TSP/04/017-2	Issue 1, Rev 1 2016-08-30
	insulators (pin insulators)	Specification for 11kV composite pin insulators – coast application	TSP/04/017-3	Issue 2 Rev 0 2016-06-03
23	Aluminum conductor soft drawn	Specification for aluminum conductors (soft drawn)	TSP/06/021	Issue 1, Rev 0 2016-06-03
24	Steel earth wire (Aerial)	Specification for steel earth wire (aerial)	TSP/06/030	Issue 1, Rev 0 2007-08-15
25	Earth rods and their connectors	Specification for earth rods and their connectors part 1: Copper clad earth rods and their connectors	TSP/06/031-1	Issue 3, Rev 0 2014-04-06

No.	ITEM	TITLE	DOCUMENT	DATE
			No.	
26	Line fittings for 10-	Specification for overhead line fittings-	TSP/06/036-1	Issue 2, Rev 1
	250mm conductors	part 1: fittings for 10-300mm2 conductors		2015-09-17
27	Fasteners and washers	Specification for fasteners and washers for overhead lines Part 3- Metal anchors for use in concrete (Rawl Bolts)	TSP/02/003-3	Issue 2, Rev 0 2014-01-19
		Specification for fasteners and washers for overhead lines part 2: screws	TSP/02/003-2	Issue 1, Rev 0 2008-07-22
		Specification for fasteners and washers for overhead lines part 1- Bolts Nuts and washers	TSP/02/003-1	Issue 2, Rev 1 2015-09-17
28	Universal overhead line clamps	Specification for multipurpose overhead line clamps	TSP/02/004	Issue 1, Rev 3 2013-10-30
29	11kV & 33kV expulsion fuse	Specification for 11kV expulsion fuse cut-out (drop out type)	TSP/11/017	Issue 2, Rev 0 2016-06-03
		Specification for 33kV expulsion fuse cut-out (drop out type)	TSP/11/018	Issue 2, Rev 0 2014-10-02
	11kV and 33kV solid links	Specification for 11kV isolator, solid link	TSP/11/015	Issue 3, Rev 0 2013-05-07
		Specification for 33kV isolating link	TSP/11/016	Issue 3, Rev 0 2012-03-01
30	Stay rods	Specification for stay rods and turnbuckles	TSP/03/022	Issue 1, Rev 1 2016-06-03
31	Lugs and connectors	Specification for terminal lugs – compression type	TSP/05/029	Issue3, Rev 0 2015-06-18
32	Ready boards	Specification for ready boards (for	TSP/14/052	Issue 1, Rev 1
		single-phase service connections)		2009-04-03
33	10mm2 dropper cable, red and black, 1m each for single phase meters	Specification for PVC insulated wiring and auxiliary cables	TSP/05/016	Issue 2, Rev 1 2015-10-21
34	Stay Blocks	Specification for concrete products (hatari slabs & stay blocks)	TSP/07/001	Issue 1, Rev 1 2016-05-31
35	Steel structures	Specification for steel structures for	TSP/03/003	Issue 2, Rev 0
	,	overhead lines		2015-08-10

No.	ITEM	TITLE	DOCUMENT No.	DATE
36	Pole Mounted Meter boards complete with mounting accessories	Technical Specifications for Single Phase Pole Mounted MB-ME	TSP/14/054	Issue 4, Rev 0 August 2015
37	33kV & 11kV Aerial Bundled Cables (ABC)	11 kV XLPE Aluminium Aerial Bundled Cables (ABC) — Specification	TSP/05/005	Issue 1, Rev 1 2017-10-24
		33 kV XLPE Aluminium Aerial Bundled Cables (ABC) — Specification	As per IEC standa	ard .
38	33kV & 11kV Aerial Bundled Cables (ABC) Accessories	Accessories for Aerial Bundled Cables (ABC) Part 1: 11kV ABC Accessories - Specification	TSP/05/012-1	Issue 2, Rev 1 2017-12-08
	recessories	Specification for Cold Shrinkable Straight Through Joints and Terminations for 33kV Aerial Bundled Cables	As per IEC standard	
39	11kV & 33kV Post Insulators	Specification for 11kV & 33kV Composite Line Post Insulators – Vertical Horizontal Mounting	TSP/04/021	Issue 2, Rev 0 2018-06-27

3. Item No. 4 - **Drawings, Checklists and Construction Templates** has been amended to read as follows:

- i) Binding (In arrangement for through Conductors.
- ii) House Termination (Aerial attachment to Buildings)
- iii) LV Intermediate Pole (for angles up to 60°)
- iv) LV Intermediate Pole (With Tee-off connection)
- v) LV Section Pole (For angles over 30° and showing 3 or 4 way arrangement)
- vi) LV Section Pole (for angles up to 30°)
- vii) LV Termination Pole (With Aerial Cable Connection)
- viii) LV Terminal Pole (With Underground Cable Connection)
- ix) Standard LV Pole Drilling
- x) Termination for Service Cable
- xi) Overhead Service Line Connection Prepayment Drawing
- xii) 11KV Vertical Flying Angle
- xiii) 11KV Vertical Section Pole
- xiv) 11KV Terminal Pole
- xv) 33KV Delta Section (H-Pole)
- xvi) 33KV Vertical Flying Angle Pole
- xvii) 33KV Stay Details
- xviii) 33KV Terminal Pole
- xix) 33KV Vertical Section
- xx) LV Intermediate Pole
- xxi) LV Section Pole

- xxii) LV Terminal Pole
- xxiii) LV Showing 3-way and 4-way arrangement
- xxiv) Tee Off Pole with Isolator
- xxv) Earthing at the customer premise
- xxvi) 33/0.433kV Transformer H-Pole Structure (welded for vandal-proofing)
- xxvii) 11/0.433kV Transformer H-Pole Structure (welded for vandal-proofing)
- xxviii) 33/0.250kV Transformer Single Pole Structure (welded for vandal-proofing)
- xxix) 11/0.250kV Transformer Single Pole Structure (welded for vandal-proofing)
- xxx) Single line diagram for service cable installation.
- xxxi) Construction Checklist
- xxxii) Transformer commissioning form/template
- xxxiii) Powerline commissioning form/template
- xxxiv) Inspections and Handing over form/template
- xxxv) 11kV & 33kV Intermediate Poles using Post Insulators in Delta Formation
- xxxvi) 11kV & 33kV Intermediate Poles using Suspension & Post Insulators in Delta Formation
- xxxvii) 11kV & 33kV Intermediate Poles using Post Insulators in Vertical Formation

SECTION X - CONTRACT FORMS

4. Appendix 1: Terms and Procedures of Payment has been amended to read as follows;

Appendix 1: Terms and Procedures of Payment

In accordance with the provisions of GC Clause 14 (Contract Price and Payment), the Employer shall pay the Contractor in the following manner and at the following times, on the basis of the Price Breakdown given in the section on Price Schedules. Payments will be made in the currencies quoted by the Bidder unless otherwise agreed between the Parties. Applications for payment in respect of part deliveries may be made by the Contractor as work proceeds.

TERMS OF PAYMENT

Schedule No. 1. Plant and Equipment Supplied from Abroad & Recommended Spare parts supplied from abroad

In respect of plant and equipment supplied from abroad, the following payments shall be made:

Ten percent (10%) of the total CIP amount as an advance payment against receipt of invoice and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment security may be reduced in proportion to the value of the plant and equipment delivered to the site, as evidenced by shipping and delivery documents.

Fifty percent (50%) of the total or pro rata CIP amount upon Incoterm "CIP", upon delivery to the carrier within sixty (60) days after receipt of documents.

Thirty percent (30%) of the total or pro rata CIP amount upon delivery to site, installation and commissioning within sixty (60) days after receipt of invoice.

Five percent (5%) of the total or pro rata CIP amount upon issue of the Completion Certificate, within sixty (60) days after receipt of invoice.

Five percent (5%) of the total or pro rata CIP amount upon issue of the Operational Acceptance Certificate, within sixty (60) days after receipt of invoice.

Schedule No. 2. Plant and Equipment Supplied from within the Employer's Country & Recommended Spare Parts Supplied from within the Employer's Country

In respect of plant and equipment supplied from within the Employer's country, the following payments shall be made:

Ten percent (10%) of the total EXW amount as an advance payment against receipt of invoice, and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment security may be reduced in proportion to the value of the plant and equipment delivered to the site, as evidenced by shipping and delivery documents.

Fifty percent (50%) of the total or pro rata EXW amount upon Incoterm "EXW", upon delivery to the carrier within sixty (60) days after receipt of documents.

Thirty percent (30%) of the total or pro rata EXW amount upon delivery to site, installation and commissioning within sixty (60) days after receipt of invoice.

Five percent (5%) of the total or pro rata EXW amount upon issue of the Completion Certificate, within sixty (60) days after receipt of invoice.

Five percent (5%) of the total or pro rata EXW amount upon issue of the Operational Acceptance Certificate, within sixty (60) days after receipt of invoice.

Schedule No. 3. Design Services

In respect of design services for both the foreign currency and the local currency portions, the following payments shall be made:

Ten percent (10%) of the total design services amount as an advance payment against receipt of invoice, and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer.

Ninety percent (90%) of the total or pro rata design services amount upon acceptance of design in accordance with GC Clause 20 by the Project Manager within sixty (60) days after receipt of invoice.

Schedule No. 4. Installation Services

In respect of installation services for both the foreign and local currency portions, the following payments shall be made:

Ten percent (10%) of the total installation services amount as an advance payment against receipt of invoice, and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment security may be reduced in proportion to the value of work performed by the Contractor as evidenced by the invoices for installation services.

Eighty percent (80%) of the measured value of work performed by the Contractor, as identified in the said Program of Performance, during the preceding month, as evidenced by the Employer's authorization of the Contractor's application, will be made monthly within sixty (60) days after receipt of invoice.

Five percent (5%) of the total or pro rata value of installation services performed by the Contractor as evidenced by the Employer's authorization of the Contractor's monthly applications, upon issue of the Completion Certificate, within sixty (60) days after receipt of invoice.

Five percent (5%) of the total or pro rata value of installation services performed by the Contractor as evidenced by the Employer's authorization of the Contractor's monthly applications, upon issue of the Operational Acceptance Certificate, within sixty (60) days after receipt of invoice.

Schedule No. 5. Environmental and Social Management Framework (ESMF)

In respect of ESMF services, the following payments shall be made:

Ten percent (10%) of the ESMF services amount as an advance payment against receipt of invoice, and an irrevocable advance payment security for the equivalent amount made out in favor of the Employer. The advance payment security may be reduced in proportion to the value of work performed by the Contractor as evidenced by the invoices for installation services.

Eighty percent (80%) of the measured value of work performed by the Contractor, as identified in the said Program of Performance, during the preceding month, as evidenced by the Employer's authorization of the Contractor's application, will be made monthly within sixty (60) days after receipt of invoice.

Five percent (5%) of the total or pro rata value of ESMF services performed by the Contractor as evidenced by the Employer's authorization of the Contractor's monthly applications, upon issue of the Completion Certificate, within sixty (60) days after receipt of invoice.

Five percent (5%) of the total or pro rata value of ESMF services performed by the Contractor as evidenced by the Employer's authorization of the Contractor's monthly applications, upon issue of the Operational Acceptance Certificate, within sixty (60) days after receipt of invoice.

In the event that the Employer fails to make any payment on its respective due date, the payment delay period after which the employer shall pay interest to the contractor shall be 60days.

The interest rate for foreign currency payments to be LIBOR (6 months average) and for local currency payments at the prevailing Central Bank of Kenya (CBK) rate.

PAYMENT PROCEDURES

The procedures to be followed in applying for certification and making payments shall be as follows;

All payments will be by direct payments by the financier.

The payments will be made against certified monthly invoices or statements.

The documentary evidence required in connection with the payments are those described for each payment portion in terms of payment above.

In view of the above changes, the earlier issued Bidding Document, Drawings and Specifications have been withdrawn from KPLC website and Dg Market and revised documents incorporating the changes uploaded.

Yours faithfully,

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For: KENYA POWER & LIGHTING COMPANY LIMITED.

JOYCE OCHIENG

Ag. GENERAL MANAGER, SUPPLY CHAIN

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