



# Kenya Power

The Kenya Power & Lighting Co. Ltd.  
Central Office – P.O. Box 30099, Nairobi, Kenya  
Telephone – 254 02-3201000  
Fax No. 254 02-3201889  
Stima Plaza, Kolobor Road

Our Ref: KP1/9A.2/OT/036/CS/21-22

07.07.2022

M/s .....

Dear Sir/Madam,

## ADDENDUM NO. 1 TO THE TENDER NO. KP1/9A.2/OT/036/CS/21-22 FOR PROVISION OF LABOUR & TRANSPORT FOR UPGRADE OF ELECTRONIC TO SMART METERS SERVICE

The following clarifications are made to the specified provisions of the Tender document.

### 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. INVITATION TO TENDER

The Pre-bid meeting has been extended from 12<sup>th</sup> July 2022 to 19<sup>th</sup> July 2022 & will be held at Institute of Energy Studies and Research (IESR), off Thika Road, Ruaraka, Nairobi at 9:30 am.

### 3. SECTION III- EVALUATION AND QUALIFICATION CRITERIA

The following clauses have been amended as follows:

#### a) 3.3. Detailed Technical Evaluation

Table has been amended as follows:

No.	CRITERIA	KPLC Requirement & Scores	Bidder's Response Marks
3.3.1	<p><i>Company Experience with Similar Work</i></p> <p><i>Experience as an Electrical Contractor (fill Form Exp 4.1, 4.2 a &amp; 4.2 b) in installation and commissioning of service line cables and active energy meters or similar works: -</i></p> <p>a) <i>Successful installation and commissioning of five (5) High Tension Installations</i></p> <p>b) <i>Successful installation and commissioning of ten (10)</i></p>	<p>a) Maximum marks are 20 (LV, mV and HT)</p> <p>b) Maximum marks are 15 (LV &amp; mV)</p>	

No.	CRITERIA	KPLC Requirement & Scores	Bidder's Response Marks
	<p><i>Medium Voltage installations</i></p> <p>c) <i>Successful installation and commissioning of twenty (20) Low voltage installations</i></p> <p>(NB: Bidder to attach relevant evidence of duly filled and signed FORM EXP 4.1 forms)</p>	c) Maximum marks are 5 (LV)	
3.3.2	Experience of the Team Leader (Project Manager) who will actively be involved in the proposed project. (This shall be captured in Form Per 1 & 2 coupled with the CV, relevant academic and professional certificates)	a) Over 10 years - 10 Marks b) Over 6 years - 6 Marks c) Over 3 years - 3 Marks	
3.3.3	Experience and training of the Employees who will actively be involved in the proposed project. (This shall be captured in the Form Per 1 & 2 coupled with the CV, relevant academic and professional certificates)	a) 4 Employees Technician and above - 10 Marks b) Above 1 Employees - 5 Marks	
	Experience and training of the Employees who will actively be involved in the proposed project in Safety. (This must be captured in the Form Per 1 & 2 coupled with the CV, relevant academic and professional certificates)	c) 1 Employees and above - 10 Marks d) Above 1 Employees - 5 Marks	
3.3.5	Company registered with EPRA <i>Attach copy of registration certificate</i>	a) Class A-1 - 15 Marks b) Lower than Class A1 - 5 Marks	
3.3.6	Valid annual practicing National Construction Authority (NCA 4 and above) Certificate on the relevant field (Electrical). <i>Attach copy of certificate</i>	a) NCA 4 and above 10 Marks b) Lower than NCA 4 - 5 Msrks	
3.3.7	Tools and equipment. Give a list (Form EQU) and type of relevant metering tools and equipment owned by the company evidenced by ownership documents. Provide documentary evidence of those that are leased or hired.  Bonus for owning Portable working standard class 0.05	a) Owned marks are 15 b) Leased marks are 10 c) Bonus of 5 Marks	

No.	CRITERIA	KPLC Requirement & Scores	Bidder's Response Marks
	<i>Attach Receipts/ Log book where owned and lease agreement where leased</i>	if Portable working standard class 0.05 owned d) Bonus of 5 – for owned Vehicle – Mounted with Hydraulic lifting crane	
	<b>TOTAL (PASS MARK IS 80 MARKS)</b>	<b>100</b>	

#### 4. FORM EXP - 4.1

Header has been amended to read Experience of the company in Electrical Installation/ Metering\

#### 5. PART 11- WORK REQUIREMENTS

The Following have been amended, added as follows.

##### a) SCHEDULE OF SERVICES

**All materials for metering will be provided by KPLC**

No.	DESCRIPTION OF WORKS
1	<b>Installation of 200-500/5 A metering units at Low Voltage.</b> - <i>This rate applies to large power metering where the metering unit is of CT ratio 200/5 to 500/5 installed either at the pole/ Wall/ Ground inclusive of transportation.</i>
2	<b>Installation of 1,000-2,000/5 A metering units at Low Voltage.</b> - <i>This rate applies to large power metering where the metering unit is of CT ratio 1,000/5 to 2,000/5 installed either at the ground in a metering cubicle inclusive of transportation</i>
3	<b>Installation of 11kV metering units (Indoor)-</b> <i>This rate applies to large power metering where the metering unit is for 11kV for various CT ratios and it is indoor installed inclusive of transportation</i>
4	<b>Installation of 11kV metering units (Outdoor)-</b> <i>This rate applies to large power metering where the metering unit is for 11kV for various CT ratios and it is outdoor installed inclusive</i>

No.	DESCRIPTION OF WORKS
	<i>of transportation</i>
5	<b>Installation of Three Phase Whole Current Meter at Low Voltage.</b> - <i>This rate applies a three phase whole current meter to be installed either at the pole/ Wall/ Ground inclusive of transportation</i>
6	<b>Installation of Single Phase Whole Current Meter at Low Voltage.</b> - <i>This rate applies a single phase meter to be installed either at the pole/ Wall/ Ground inclusive of transportation</i>

#### b) WORK REGIONS

**NOTE: Bidders are only allowed to choose one region**

REGION	AREAS/ COUNTIES COVERED	Choice
CENTRAL RIFT	Baringo, Bomet, Kericho, Nakuru, Narok, Nyandarua and Samburu	
COAST	Kilifi, Kwale, Lamu, Mombasa, Tana River & Taita Taveta	
MT KENYA	Embu, Isiolo, Kirinyaga, Nyeri, Muranga, Meru, Tharaka Nithi, Embu, Laikipia and Marsabit	
NAIROBI NORTH	Dandora, Eastleigh, CBD, Jericho, BuruBuru Kariobangi, westlands, Ngara, Parklands, and environs	
NAIROBI SOUTH	Donholm, Kayole, Ruai, , Industrial Area, Embakasi, , Machakos, Makueni, , Umoja, Komarock, Njiru, and environs	
NAIROBI WEST	Kajiado County, Dagoreti, Karen, Langata, Upper Hill, Kileleshwa and environs	
NORTH EASTERN	Kiambu, Garissa, Kitui, Mandera & Wajir	
NORTH RIFT	Uasin Gishu, Trans Nzoia, Nandi, Elgeyo Marakwet, West Pokot and Turkana	
SOUTH NYANZA	Homabay, Kisii, Migori and Nyamira	
WEST KENYA	Kisumu, Vihiga, Kakamega, Bungoma, Siaya and Busia	

#### 6. SECTION VII- BILLS OF QUANTITIES

The Following have been added as follows

**NOTE: Bidders are hereby, notified that, submitted rates shall be for works within a distance of 30 KM from the store**

No.	DESCRIPTION OF WORKS	QUANTITY	PROPOSED UNIT RATE (Kshs. VAT Excl.)
1	Installation of 200-500/5 A metering units at Low Voltage	1	
2	Installation of 1,000-2,000/5 A metering units at Low Voltage.	1	
3	Installation of 11kV metering units (Indoor)	1	
4	Installation of 11kV metering units (Outdoor)	1	
5	Installation of Three Phase Whole Current Meter at Low Voltage. -	1	
6	Installation of Single Phase Whole Current Meter at Low Voltage.	1	

For distances greater than 30 KM, Bidders shall indicate rate per KM Exceeded

No.	TRANSPORTATION FOR DISTANCES GREATER THAN 30 KM	EXTRA KM	PROPOSED UNIT RATE (Kshs. VAT Excl.)
1	Installation of 200-500/5 A metering units at Low Voltage	1	
2	Installation of 1,000-2,000/5 A metering units at Low Voltage.	1	
3	Installation of 11kV metering units (Indoor)	1	
4	Installation of 11kV metering units (Outdoor)	1	
5	Installation of Three Phase Whole Current Meter at Low Voltage. -	1	
6	Installation of Single Phase Whole Current Meter at Low Voltage.	1	

## 7. QUALITY CONSTRUCTION CHECKLIST FORM

The Following have been amended as follows.

### (i) SMART METER COMMISSIONING TEMPLATE

#### 1. CUSTOMER DATA

DATE \_\_\_\_\_

SRN \_\_\_\_\_ Tariff Method \_\_\_\_\_

Customer's Name \_\_\_\_\_

Contacts: Tel \_\_\_\_\_ Mobile \_\_\_\_\_ Email: \_\_\_\_\_

Contact Person \_\_\_\_\_ Contacts \_\_\_\_\_

Nature of Business \_\_\_\_\_

Authorized ADMD = \_\_\_\_\_

**2. SEALS REPLACEMENT**

NO	EXISTING SEAL	NEW SEAL	SEAL LOCATION	REASON/REMARKS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

**3. METERING DETAILS****3.0.1: EXISTING METER DETAILS**

Meter No. \_\_\_\_\_ Meter Make (eg. LG) \_\_\_\_\_

Programmed CT Ratio (Label) \_\_\_\_\_ Programmed CT (Display) \_\_\_\_\_

Physical condition of the meter /Remarks \_\_\_\_\_

AMR Meter Recovered (YES/NO) \_\_\_\_\_

**METER DISPLAY CHECKS**

Description	Codes	Current
Total kWh All	1:1.8.0	
Current Max KVA demand	1:9.6.0	
Current Max kW demand	1:1.5.0	
Current On peak total kWh	1:1.8.1	
Current Off peak total kWh	1:1.8.2	
Reverse Energy (Where Applicable)	1:2.8.0	
Voltage red phase	1:32.7.0	
Voltage yellow phase	1:52.7.0	
Voltage blue phase	1:72.7.0	

Photos of Readings taken (YES/NO) \_\_\_\_\_

**3.0.2: INSTALLED METER DETAILS**

Meter No. \_\_\_\_\_ Meter Make \_\_\_\_\_

Programmed CT Ratio (Label) \_\_\_\_\_ Programmed CT (Display) \_\_\_\_\_

Physical condition of the meter /Remarks \_\_\_\_\_

SIM Card Network Provider: \_\_\_\_\_ SIM Serial No. \_\_\_\_\_

**METER DISPLAY CHECKS**

Meter Time \_\_\_\_\_ Current Time \_\_\_\_\_

Meter Date \_\_\_\_\_ Current Date \_\_\_\_\_

Description	Codes	Current
Total kWh All	1:1.8.0	
Current Max KVA demand	1:9.6.0	
Current Max kW demand	1:1.5.0	
Current On peak total kWh	1:1.8.1	
Current Off peak total kWh	1:1.8.2	
Reverse Energy (Where Applicable)	1:2.8.0	
Voltage red phase	1:32.7.0	
Voltage yellow phase	1:52.7.0	
Voltage blue phase	1:72.7.0	

**4. CURRENT TRANSFORMERS (CT's) - CT DETAILS**

(a) Rating (VA) \_\_\_\_\_ (b) Ratio \_\_\_\_\_

(c) Class \_\_\_\_\_

Are CT Ratios Matched with the Meter Ratio? Yes/No _____
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**5. CURRENTS/VOLTAGES CHECKS.**

OBSERVED VALUES				
	Current (A) Check		Voltage (V) Checks	
	Clamp/AMCorder/Data Logger (A)	Meter Display (A)	Digital Multi-meter Voltages (V)	Meter Display (V)
R				
Y				
B				

**Are Voltages Values in Conformity to Connection Configuration?  
(3P3W or 3P4W) Yes/No \_\_\_\_\_**

**6. Portable Working Standard Test Checks/Measurements**

MEASURED/DISPLAYED		REMARKS
Test	Value	
1	Three Phase Sequence	
2	Voltages (RYB)	
3	Currents (RYB)	
4	Demands (KVA/KW)	
5	Power Factor	
6	Error Measurements	

**7. REPORT OF INSTALLATION PROBLEMS / RECOMMENDATIONS AND ACTION**

INSTALLATION PROBLEMS	ACTION TAKEN	FOLLOW-UP RECOMMENDED	DATE OF FOLLOW-UP	RESPONSIBLE

**8. CONCLUSION**

**FROM THE ABOVE INSPECTION THE WIRING INSTALLATION HAS BEEN CONFIRMED AND WAS FOUND: OKAY  INCORRECTLY WIRED.**

**IN ADDITION THE FOLLOWING CHECKS HAVE BEEN MADE AND VERIFIED:**

Cables Lugged via crimping tool: Yes / No \_\_\_\_\_

Cables Color Coding Observed? Yes / No \_\_\_\_\_

Double Metering/ Partial Metering Checked: Yes / No .....

**DECLARATION**



SRN No: \_\_\_\_\_ CUSTOMER \_\_\_\_\_

We declare that we have commissioned the installation and confirmed that the energy metering is correct. We also noted the above mentioned problems (if any). The problems noted shall be addressed as stated:

**INSTALLATION DONE BY:**

NAME: \_\_\_\_\_ ID NUMBER \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

SIGN: \_\_\_\_\_ DATE: \_\_\_\_\_

**COMMISSIONED BY:**

NAME: \_\_\_\_\_ STAFF No. \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

SIGN: \_\_\_\_\_ DATE: \_\_\_\_\_

**VERIFIED BY: LARGE POWER AND SME INCHARGE:**

NAME: \_\_\_\_\_ STAFF No. \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

SIGN: \_\_\_\_\_ DATE: \_\_\_\_\_

**8. TENDER CLOSING DATE**

The tender closing date has been extended to 29<sup>nd</sup> July, 2022 at 10:00 am and opening at 10.30am same day.

All other terms and conditions remain as per the Principal Tender Document (PTD)

Yours faithfully,

For: THE KENYA POWER & LIGHTING CO. LTD.

  
PETER MUCHORI

Ag. SUPPLY CHAIN MANAGER (PROCUREMENT)

