Kenya Power

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Our Ref: *KP1/9A.3/OT/16/17-18/mm* *2nd November, 2017*

M/s ----------

RE: ADDENDUM NO. 1 TO THE TENDER NO. KP1/9A.3/OT/16/17-18 - SUPPLY OF SINGLE PHASE PREPAYMENT METERS

The following clarifications and amendments are made to the Principal Tender Document *(hereinafter abbreviated as the PTD)* Supply of Single Phase prepayment meters the dated 13thOctober, 2017.

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

The clarifications are made as below: -

Clause No.	Clause description	Bidder Question	KPLC Clarification
6.1.4 (d)	Name with full contact as well as physical addresses of previous customers of similar goods and reference letters from at least four (4) previous customers	**Bidder 1 (Question 1):** The first awarded tender by Kenya Power for locally assembled/manufactured single phase prepayment meters was in March 2017. The supply is still in progress as per the contract. Therefore, owing to the fact that the local manufacturing/assembly plants were recently established with Kenya Power being the primary and main consumer of this product, can the references from our technical partner suffice incase where the bidder may have supplied to Kenya Power only or where the factory is a new set-up with no previous supplies.	Shall not apply to this tender.

Clause No.	Clause description	Bidder Question	KPLC Clarification
6.1.12	Financial Statements.	**Bidder 3: (Question 3)** We are a newly established Company- established in July 2017 and we have the necessary approval from KEBS and Kenya Power and Lighting Company. Please advice us what documents we should attach for the above requirement.	Financial Statements. The audited financial statements required must be those that are reported within eighteen (18) calendar months of the date of the tender document and for newly established companies, 3 months certified bank statements.
2	Normative References	**Bidder 1: (Question 1)** The standard "IEC 62056-21" does not conform to the description "Electrical metering equipment (a.c)-Particular Requirements-part 21: Static meters for active energy (class 1 and 2)". Please provide the correct description	The standard IEC 62056-21 has the correct description as "Electricity metering – Data exchange for meter reading, tariff and load control –Part 21: Direct local data exchange" Please note, the standards in the specifications are normative references. The manufacturer shall comply with all the latest applicable standards.
3.20	Number of Sets of and Tender Format	**Bidder 4 (Question 3):** The number of sets and tender format is not clear.	Completed Tenders are to be **saved as PDF** documents marked **KP1/9A.3/OT/16/17-18**: **Supply of Single Phase Prepayment Meters** submitted in the KPLC E-Procurement Web Portal found on the KPLC website (www.kplc.co.ke)
4.3.5	Table 1: Summary of Electrical Parameters "Rated Nominal Voltage (Un), Frequency (Hz). 230V, 50Hz ±5%".	**Bidder 2 (Question 5)** The IEC requirement is ±2%, since there is no standard with ±5%, it's impossible to get the report from the Laboratory. Would ±2% be acceptable?	The ±5% tolerance applies to the rated nominal voltage. For the frequency, the tolerance shall be ±2%.
	Table 1: Summary of Electrical Parameters "Current impulse withstand: At least 5kA, 8/20 us, Lightning Surge Withstand: At least 30kA, 4/10 us".	**Bidder 2 (Question 6)** Would you please clarify how KPLC arrange the test? Is there any standard for reference?	It is the responsibility of the manufacturer to arrange tests and confirm compliance. KPLC will at their discretion conduct confirmatory tests with independent accredited laboratories, preferably KEMA.
4.2.1.27	The MCU enclosure shall be made of UV-stable unbreakable high-grade flame retardant polycarbonate that complies with IEC 60695-2-1 glove wire test. The material shall be of good dielectric and mechanical strength with minimum thickness of 2.0mm."	**Bidder 2 (Question1)** The mechanical strength depends on the structure design and the enclosure material, normally; the mechanical strength is through the Spring Hammer Test. The thickness varies in consideration of the whole structure design; therefore, the supplier is hard to make sure the entire thickness of the enclosure being minimum 2mm. Please clarify.	The bidder **MUST** comply with the 2mm minimum thickness of the MCU enclosure at any point measurement is taken. The material shall be UV-stable, flame retardant and of good dielectric and mechanical strength. Relevant tests guided by the relevant specifications and requirements of this technical specification shall be performed to confirm all the above requirements

Clause No.	Clause description	Bidder Question	KPLC Clarification
4.2.2.1.11	MCU that supports two elements double circuit measurement. The MCU shall be equipped with two 100A relays (loading switch) both in Live and Neutral circuits	**Bidder 1 (Question 2):** If one relay can control connect and disconnect in Live and Neutral circuits, please clarify whether this is acceptable?	The bidder is required to design and supply an MCU with two elements double circuit measurements and ability to connect and disconnect both Live and Neutral circuits simultaneously. Therefore, if the design of the MCU with one relay would guarantee such functionality, then it is acceptable.
4.2.2.2.5	The UIU keypad shall be of 12-key, international standard layout including "information" and "backspace" keys	**Bidder 2 (Question 2):** The current design has 12-key, from 0 to 9, ten figures, then one "backspace" key and one "Confirm" key. The "backspace key" is used to delete the wrongly input figures, and the "Confirm" key is used to confirm the data query short code or token which the user input. Would you please clarify in detail the meaning and the detailed function of the "information" key? If the "information" key has a different definition with us, is it possible to use our current arrow icon, just define it with the new function you need?	The information key is the key for data query short codes. In this case your 'confirm' Key performs that function
4.2.2.2.24	The UIU shall be able to communicate with MCU when power is off via a long-life 2*AA alkaline battery. The battery shall be supplied with the UIU	**Bidder1 (Question 3):** We provide UIU which can fit with 4*AAA battery, please clarify if its accepted. It does not interfere with the function of the UIU **Bidder 2 (Question 4):** Our current design is 4x AAA battery, is it acceptable?	It is acceptable. In this case, the bidder shall therefore supply the 4*AAA batteries for each UIU.
4.3.4	The meter shall be connectable for 2-wire systems, a permanent connection drawing of which shall be printed on the meter body. Stickers of any kind shall not be acceptable	**Bidder 1 (Question 4):** Please clarify whether the drawing be printed on the meter body, what if we print inside the terminal cover, is this accepted?	The meter cover forms body of the meter as it is expected the meter should disconnect on tamper-event without the meter cover. Therefore, it is acceptable to visibly and permanently print the drawing on the terminal cover.
4.2.2.2.7	The UIU shall conform to the degree of protection IP54 as specified in IEC 60529	**Bidder 1 (Question 5):** Whether IP54 is a mandatory requirement? Since the MCU and UIU are not used in extreme weather and climate too often, can we change to IP51? **Bidder 2 (Question 3):** The UIU normally has no IP54 requirement. If the design is IP 51, will this be taken as a major deviation or minor deviation? Please clarify.	With the new specification, degree of protection IP54 is mandatory for both MCU and UIU offered to KPLC. The bidder shall ensure full compliance.

Clause No.	Clause description	Bidder Question	KPLC Clarification
8.1	In Technical Specification, Warranty of 54 months from date of successful commissioning certificate for KPLC or 60 months from dispatch whichever is later. In Tender document, warranty of 1 year after goods are delivered to final destination or 18 months after the date of shipment from the port of loading, whichever period concludes earlier.	**Bidder 1: (Question 6)** Please clarify the following: a) Which of the warranties is applicable? b) In case where the warranty is as per item 8.1 of specification document, what interventions will Kenya Power employ to ensure that mishandling and other interference of meters after delivery to KPLC stores or when installing the meters are not transferred to the manufacturer? **Bidder 4: (Question 2)** The warranty period is not clear	a) The warranty at the Technical Specifications supersedes any other warranty. I.e. Clause 8.1 of the technical specification which specifies a warranty of fifty-four (54) months from date of successful commissioning certificate for KPLC or sixty (60) months from dispatch whichever is later. b) KPLC has a robust internal framework to administer the warranty. It is expected that the bidder shall design and manufacture meters that are of high quality, durable and their performance does not deteriorate with time under the operating conditions specified in the Technical Specifications.
8.2	Samples- The specification in clause 8.2.1 requires that the tenderer to submit three (3) MCUs and three (3) UIUs Clause 3.16 of the tender document appendix-Instruction to Tenderer requires one (1) MCU submitted with two (2) UIUs	**Bidder 1 (Question 7):** Please clarify how many samples the bidder is required to submit. **Bidder 3 (Question 2):** Please kindly clarify the exactly sample quantity required. **Bidder 4 (Question 1):** The submitted sample quantity is not clear.	The requirement of clause 8.2.1 of the Technical Specification shall suffice. i.e. The tenderer shall submit three (3) MCUs and three (3) UIUs together with the bid.

3. APPENDIX TO INSTRUCTIONS TO TENDERES

Item No. 11 of the appendix to instructions to tenderers has been clarified to read as follows:

No.	ITT Reference Clause	Particulars of Appendix
11.	**3.34.2 Award of Contract**	*There are six independent lots.* *No bidder shall qualify for more than one lot. (Lot 1 to Lot 5).* *The price variation is allowed at 5% between the highest evaluated bidder and the lowest evaluated bidder for all the lots.*

4. AMENDMENT TO SECTION IV SCHEDULE OF REQUIREMENTS

The Schedule of requirements has been amended as follows:

Delivery to Meter Stores

Item No.	KPLC Code	Brief Description	Quantity in Pcs	Tender Security
Lot 1	535181	Single Phase Prepayment Meters PLC Wiress Communication	135,000	6,000,000.00
Lot 2			135,000	6,000,000.00
Lot 3			125,000	5,600,000.00
Lot 4			115,000	5,000,000.00
Lot 5			100,000	4,500,000.00
Lot 6			90,000	Upon award

Note:

Lot 1 to Lot 5 shall be awarded upon evaluation.

Lot 6 shall be awarded subsequently based on excellent performance as variation and in accordance with the Procurement law.

5. CHANGE OF CLOSING DATE

The closing date has been changed from **9th October 2017 to 7th December, 2017 at 10.00 am.**

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

Yours faithfully,

FOR: THE KENYA POWER & LIGHTING COMPANY LIMITED

BERNARD NGUGI
GENERAL MANAGER SUPPLY CHAIN