



# Kenya Power

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*The Kenya Power & Lighting Co. Ltd*  
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STIMA PLAZA, KOLOBOT ROAD, PARKLANDS, NAIROBI.  
Telephone – 24-20-3201000 – Fax No. 254 – 20 – 3514485

Our Ref: KP1/9A.3/OT/28/19-20

Date: 28.4.2020

Your Ref:

TO:

ALL PROSPECTIVE BIDDERS

Dear Sirs/ Madams

**RE: ADDENDUM (NO. 4) TO THE TENDER NO. KP1/9A.3/OT/28/19-20 FOR (SUPPLY OF SINGLE PHASE PREPAYMENT METER.)**

**The following amendments are made to the specified provisions of the Tender document for the Supply of Single Phase Prepayment Meters (S/P)**

**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. SECTION VI EVALUATION CRITERIA (Technical Evaluation 6.2.1.3 & 6.2.1.4)**

**6.2.1.3 :-**

a) Test Certificates and their Reports from KEBS for full compliance with Tender Specifications.

b) Type Test Certificates and their Reports from the designated bodies/ Testing Laboratories for full compliance with Tender Specifications

**6.2.1.4 :-**

The valid accreditation certificate for the testing laboratory/body to ISO/ IEC 17025

### 3. CLARIFICATIONS

| Query No.        | Clause No.                           | Stipulation as per Technical Specification   | Prospective Bidder Question  | KPLC Response  |        |                           |                  |                         |                 |                     |       |                                      |
|------------------|--------------------------------------|--|--|--|--------|---------------------------|------------------|-------------------------|-----------------|---------------------|-------|--------------------------------------|
| 1                | 4.3.6                                | 4.3.6 The meter shall have Default Factory Parameters settings as in Table 2.<br>Low credit warning (Alarm Level green LED) :20kwh<br>Low credit warning (Alarm Level Red LED) :10kwh<br>Low credit warning (Alarm buzzer or Bell) :5kwh | There are three low credit warning threshold, please clarify how meter show low credit warning:<br>≥20kWh: Alarm RED Green?<br><20kWh & ≥10kWh: Alarm Red?<br><10kWh & ≥5kWh: Alarm LED Red flash?<br><5kWh: Alarm LED red flash and alarm buzzer  | Yes<br><table border="1"> <tr> <td>≥20kWh</td> <td>Alarm LED Green-Permanent</td> </tr> <tr> <td>&lt;20kWh to ≥10kWh</td> <td>Alarm LED Red Permanent</td> </tr> <tr> <td>&lt;10kWh to ≥5kWh</td> <td>Alarm LED Red flash</td> </tr> <tr> <td>&lt;5kWh</td> <td>Alarm LED red flash and alarm buzzer</td> </tr> </table> | ≥20kWh | Alarm LED Green-Permanent | <20kWh to ≥10kWh | Alarm LED Red Permanent | <10kWh to ≥5kWh | Alarm LED Red flash | <5kWh | Alarm LED red flash and alarm buzzer |
| ≥20kWh           | Alarm LED Green-Permanent            |  |  |  |        |                           |                  |                         |                 |                     |       |                                      |
| <20kWh to ≥10kWh | Alarm LED Red Permanent              |  |  |  |        |                           |                  |                         |                 |                     |       |                                      |
| <10kWh to ≥5kWh  | Alarm LED Red flash                  |  |  |  |        |                           |                  |                         |                 |                     |       |                                      |
| <5kWh            | Alarm LED red flash and alarm buzzer |  |  |  |        |                           |                  |                         |                 |                     |       |                                      |
| 2                | 4.3.6                                | The meter shall have Default Factory Parameters setting as in Table 2  | The basic parameter, the Load threshold is 18.4kW in event parameters, Overload trip threshold value is $Un*1.2I_{max}$ . as 22.08kWh. Should the load threshold be 18.4kWh or 22.08kWh?   | The Load threshold is the load setting at 100% i.e. $Un*I_{max} = 18.4kW$<br>The Overload trip threshold is the setting when the meter should trip on overload (which is at 120% of the Load threshold)  |        |                           |                  |                         |                 |                     |       |                                      |
| 3                | 4.3.6                                | The meter shall have Default Factory Parameters setting as in Table 2. In event parameter, overcurrent trip threshold is 96A   | Please clarify how the meter should react when the current is over 96A. A. Should the meter just record over current event or disconnect the relay. If the meter should disconnect the relay, please clarify the duration time of overcurrent for disconnection, overcurrent exit (recovery) Define Delay, Overcurrent Recover Define Delay. (after sustained overcurrent) | The meter should disconnect the relay and record the event in the register under Query Code 063 and 064. The bidder shall design the optimal overcurrent delay times which would guarantee effective performance of the meter. Please refer to clause 4.3.6 – table for timings  |        |                           |                  |                         |                 |                     |       |                                      |

| Query No.   | Clause No.   | Stipulation as per Technical Specification  | Prospective Bidder Question   | KPLC Response   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
|-------------|--|---|---|---|-----|--|-----|--|-----|---------------------------|-----|-------------------------------------|-----|--|-----|--|-----|--|-----|--|-----|--|-------------|-------------------------------------|
| 4           | 4.3.7  | Query codes and definitions of meter  | The definitions for query code 50, 55 and 56 are repeated. The query codes for number 88 and 95 are missing. Please clarify.  | <p>The query codes are corrected as below</p> <table border="1"> <tr> <td>055</td> <td>6<sup>th</sup> last terminal cover open date and time</td> </tr> <tr> <td>056</td> <td>7<sup>th</sup> last terminal cover open date and time</td> </tr> <tr> <td>087</td> <td>Relay disconnection times</td> </tr> <tr> <td>088</td> <td>Reason for last relay disconnection</td> </tr> <tr> <td>089</td> <td>Last 1<sup>st</sup> Relay disconnection date and time</td> </tr> <tr> <td>090</td> <td>Last 2<sup>nd</sup> Relay disconnection date and time</td> </tr> <tr> <td>091</td> <td>Last 3<sup>rd</sup> Relay disconnection date and time</td> </tr> <tr> <td>092</td> <td>Last 4<sup>th</sup> Relay disconnection date and time</td> </tr> <tr> <td>093</td> <td>Last 5<sup>th</sup> Relay disconnection date and time</td> </tr> <tr> <td>094-onwards</td> <td>Other manufacturers necessary codes</td> </tr> </table> | 055 | 6 <sup>th</sup> last terminal cover open date and time | 056 | 7 <sup>th</sup> last terminal cover open date and time | 087 | Relay disconnection times | 088 | Reason for last relay disconnection | 089 | Last 1 <sup>st</sup> Relay disconnection date and time | 090 | Last 2 <sup>nd</sup> Relay disconnection date and time | 091 | Last 3 <sup>rd</sup> Relay disconnection date and time | 092 | Last 4 <sup>th</sup> Relay disconnection date and time | 093 | Last 5 <sup>th</sup> Relay disconnection date and time | 094-onwards | Other manufacturers necessary codes |
| 055         | 6 <sup>th</sup> last terminal cover open date and time |   |   |   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 056         | 7 <sup>th</sup> last terminal cover open date and time |   |   |   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 087         | Relay disconnection times                              |   |   |   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 088         | Reason for last relay disconnection                    |   |   |   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 089         | Last 1 <sup>st</sup> Relay disconnection date and time |   |   |   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 090         | Last 2 <sup>nd</sup> Relay disconnection date and time |   |   |   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 091         | Last 3 <sup>rd</sup> Relay disconnection date and time |   |   |   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 092         | Last 4 <sup>th</sup> Relay disconnection date and time |   |   |   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 093         | Last 5 <sup>th</sup> Relay disconnection date and time |   |   |   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 094-onwards | Other manufacturers necessary codes                    |   |   |   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 5           | 4.2.2.2.24   | The UIU shall be able to communicate with MCU when power is off via a long life 2xAA alkaline battery. The batteries shall be supplied with UIU | The number of AA batteries for off power communication does not influence the communication function of the UIU. Is an increase of the batteries e.g. 4xAA batteries affect compliance? | It is acceptable. Matching quantity of the required batteries shall be supplied.  |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |
| 6           | 8.2.1  | 8.2.1 The tenderer shall submit three (3) MCUs and three  | With change in technical specifications and with the current worldwide  | Samples are a mandatory requirement as per clause 3.16.1 of Tender documents.   |     |  |     |  |     |                           |     |                                     |     |  |     |  |     |  |     |  |     |  |             |                                     |

| Query No. | Clause No. | Stipulation as per Technical Specification  | Prospective Bidder Question  | KPLC Response |
|-----------|------------|---|--|---------------|
|           |            | (3) UIUs samples together with the tender documents. Samples shall not be returned to the tenderers | epidemic of COVID019 which has led to complete lockdown in most countries and grounding of flights in the country, we find the time too short to procure raw materials for the samples, assemble and deliver within this short time. We therefore request an extension by one month (4 weeks) from current closing date of April 04, 2020 to May 6 <sup>th</sup> 2020. |               |

#### 4. TENDER CLOSING

The tender closing date remains **12<sup>th</sup> May 2020 at 10.00am.**

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

Yours faithfully

**FOR: THE KENYA POWER & LIGHTING COMPANY LIMITED**

**DR. JOHN NGENO**  
**GENERAL MANAGER, SUPPLY CHAIN.**