



## Kenya Power

Central Office - P.O. Box 30099 - 00100

Telephone – 254 – 02 - 3201000

Stima Plaza, Kolobot Road

Nairobi, Kenya

[www.kenyapower.co.ke](http://www.kenyapower.co.ke)

Our ref: - KPI/9A.3/OT/22/20-21/JM/bkk

23<sup>rd</sup> November, 2020

Your ref:

TO:

ALL PROSPECTIVE BIDDERS

**RE: ADDENDUM NO. 1 TO TENDER NO. KPI/9A.3/OT/22/20-21 FOR SUPPLY OF GALVANIZED STEEL STRUCTURES AND MODULAR WIRED PROTECTION & CONTROL PANELS**

Please refer to the above Tender.

We make the following amendments to the Principal Tender Document (*hereinafter abbreviated as the PTD*) for provision of legal services.

### **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 constructed as part of the PTD.

### **2. CLARIFICATION ON TENDER NUMBER**

All prospective bidders are advised that the tender correct tender number is KPI/9A.3/OT/22/20-21 and not KPI/9A.3/OT/22/19-20 as stated on the cover page of the tender document.

### **3. QUERIES & CLARIFICATION ON LOT A: GALVANIZED STEEL STRUCTURES**

Prospective Bidders Query	KPLC Response
Kindly confirm if the bid only entails supply and delivery and there is no setting up of the Galvanized Steel Structures.	Galvanized steel structures shall be supplied and assembled as a full unit by the successful bidder.
Kindly clarify if bidders are to provide samples.	No samples are required for these items.
Kindly explain what's required in Appendix to Instructions to Tenderers : Page 26 (No.8) and ITT Reference Clause 3.15.3 (a) Catalogues, Manufacturer's Drawings	Appendix to Instructions to Tenderers: Page 26 (No.8) is not applicable to galvanized steel structures.

Prospective Bidders Query	KPLC Response
The <b>Drawing No.</b> indicated for this on Page 27 is 09111/A . The Drawing provided in the Tender documents is <b>SK. No. 09111/A SHEET 1/A</b> for 132KV Steel Terminal Gantry Structure. Please confirm if this drawing is for Item No.8. of the schedule of requirements table.	Item 8, the description on the schedule of requirements is hereby changed to read <b>steel terminal gantry galvanized steel structure-Sk No. 09111/A sht 1/A</b> and not 132kV Busbar galvanized steel structure.
Clarifications on Specifications : Steel Structures for Substations Page 9 of 18	The minimum coating thickness for centrifuged articles with threads shall be as per Table 4 of ISO 1461 ( <b>see attached appendix I</b> )

#### 4. QUERIES & CLARIFICATION ON LOT B: MODULAR WIRED PROTECTION & CONTROL PANELS

Prospective Bidders Query	KPLC Response
Kindly confirm if the bid only entails supply and delivery of Modular Wired Protection & Control Panels?	There is no setting up of the Modular Protection and Control Panel. Panel shall be supplied completely wired internally from all devices on the panel to the terminal blocks.
Kindly provide Guarantee technical particulars for Specification KP1/6C/4/1/TSP/13/001 as the Specification is incomplete.	Specification has GTP's on Appendix N pg 85.
As per Specification KP1/6C/4/1/TSP/14/020 Clause no C.3 kindly clarify if bidders are to provide samples or this will be to the successful bidder?	Tariff energy meter will not be required to be supplied with the modular protection and control panel. Therefore, no samples are required.
Kindly note that as per clause 4.7 of spec. KP1-6C-4-1-TSP-11-118 it says bidders to check specification no.KP1/6C/4/1/TSP/13/001 dated 2019-06-07 note the specification is noted that way. Please advise if the required correct specification that is to be used is KP1/3CB/TSP/02/004 dated 2019-06-07 if that is the case kindly rectify on the issue.	The Multifunctional Power Meter mentioned in clause 4.7 of Specification KP1/6C/4/1/TSP/11/118 shall meet requirements of clause 4.4.47 of Specification no: KP1/6C/4/1/TSP/13/001 and not as indicated.
Kindly clarify if for LOT 2 there would be installation, commissioning & training for the <b>MODULAR WIRED PROTECTION &amp; CONTROL PANELS</b> ?	Installation and Commissioning shall be done by KPLC. Training and Factory Acceptance Testing to be provided by successful bidder.
What are the Voltage levels for Each Transformer?	The Transformers are 2 Winding, 132/33kV, 66/11kV and 33/11kV Voltage Ratings. The protection philosophy should be the same for all those voltage ratings.
Confirm that Only clause 4.4.1 are the only items that forms part of the transformer protection panel referred to in the BOQ.	The bidder is expected to offer the best solution that will meet KPLC expectation. In case of an oversight by KPLC, bidder to clarify and include in BOQ

Prospective Bidders Query	KPLC Response
Is there a requirement for Bay Control unit on the HV side of the Transformer? As per 4.4.1 (i), BCU to be provided on the LV side of the transformer	KPLC prefers a BCU that will do both HV and LC control functions. In the event of one device not being able to do all control functions, then both HV and LV BCUs will be required. In either case, the BCUs should be IEC61850 compliant.
Confirm whether REF Protection is LOW or High Impedance.	KPLC's preferred REF philosophy is High Impedance.
Confirm that REF Is only required on the LV Side of the transformer.	Yes, REF protection is only required on the LV winding of the Transformers
Share a typical SLD	Bidders to submit theirs for our evaluation.
Confirm if we can combine 64N & 51G in one Relay.	Yes, 64N and 51G can be combined in one device but must have separate CT inputs and trip outputs.
Specifications referred to in clause 4.3.1 of KP1/6C/4/1/TSP/11/118	Specifications named "protection relays, controls devices and instruments- specifications ref KP1/6C/4/1/TSP/13/001" uploaded separately.
Specifications referred to in clause 4.3.7 of KP1/6C/4/1/TSP/11/118	tariff energy meter will not be required for the modular protection and control panel

## 5. TENDER CLOSING DATE

The tender closing date has been extended from 25<sup>th</sup> November 2020 to 4<sup>th</sup> December 2020 at 10.00am.

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

Yours faithfully,

For: THE KENYA POWER & LIGHTING CO. LTD.

DR. JOHN NGENO

GENERAL MANAGER SUPPLY CHAIN & LOGISTICS

Table 4 — Minimum coating thickness and mass on samples that are centrifuged

Article and its thickness	Local coating thickness (minimum) <sup>a</sup> µm	Local coating mass (minimum) <sup>b</sup> g/m <sup>2</sup>	Mean coating thickness (minimum) <sup>c</sup> µm	Mean coating mass (minimum) <sup>b</sup> g/m <sup>2</sup>
Articles with threads:				
> 6 mm diameter	40	285	50	360
≤ 6 mm diameter	20	145	25	180
Other articles (including castings):				
≥ 3 mm	45	325	55	395
< 3 mm	35	250	45	325

NOTE This table is for general use: fastener coating standards and individual product standards may have different requirements; see also A.2.h). Local coating mass and mean coating mass requirements are set out in this table for reference in such cases of dispute.

a See 3.8.

b Equivalent coating mass using a nominal coating density of 7,2 g/cm<sup>3</sup> (see Annex D).

c See 3.9.

The local coating thickness in Table 4 shall only be determined in relation to reference areas selected in accordance with 6.2.3. In cases of dispute, the results of gravimetric tests (coating mass) take precedence over the results of coating thickness tests.