



## Kenya Power

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Our Ref: KP1/9A.3/OT/36/19-20/JM/hm

7<sup>th</sup> July, 2020

### TO ALL TENDERERS

#### **RE: ADDENDUM NO. 2 TO THE TENDER NO. KP1/9A.3/OT/36/19-20 FOR SUPPLY OF INSULATORS**

Please refer to the above Tender.

We make the following clarifications and amendments to the Principal Tender Document (*hereinafter abbreviated as the PTD*) for the Tender No. KP1/9A.3/OT/36/19-20 for Supply Of Insulators.

#### **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 ON ISSUES RAISED BY PROSPECTIVE BIDDERS:**

Following request for clarifications on some issues by prospective bidders, the clarifications are hereby made as follows:

Query No.	Clause No.	Technical Specification Requirement	Prospective Bidder Question	KPLC Response
1	Clause 4.1.1. Clause 4.2.3.1.2	Environmental conditions (d) Heavy saline conditions along the coast and tropical sunshine conditions Table 1 on minimum creepage requirements as per IEC/TS 60815-1 pollution zone D –Heavy (H)	The pollution level for 72.5kV line post insulator. We found in the specification the pollution level for 11kV tension is 25mm/kV, but the service condition is "Heavy saline conditions along the coast". please clarify?	The minimum creepage distance shall be 31mm/kV suitable for use in Heavy saline conditions

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2	Clause 4.2.2.1.5	The minimum required diameter of the core shall be 63.5mm.	The specified diameter for the rod (core) is min.63.5mm, pls confirm if it's mandatory?	Yes it is mandatory for the manufacturers
3	Clause 1.2	Scope of the application of the post insulators – Wooden and concrete pole mountings	Pls confirm the type of pole, i.e. wooden pole with circular section, or steel pole with circular section, or steel pole with square section?	All the wooden and concrete poles have circular section
4	Clause 5.4	Acceptance tests at the manufacturer's works and be witnessed by KPLC Engineers.	We found in the spec that acceptance tests for 11kV tension insulators includes samples and routine tests, but the acceptance tests for 72.5kV Line post includes almost all the design and type tests, Please also confirm the acceptance tests for each item?	The acceptance tests for 72.5kV line post insulators shall be done as per Clause 5.4 of the specifications 11kV tension insulators acceptance tests shall be as specification
5	Clause 4.2.3.1.2	Table 1 on minimum creepage requirements as per IEC/TS 60815-1 pollution zones C-Medium(M), D –Heavy (H) and E-Very Heavy(VH)	For the 66KV composite line post insulators(Specification Doc No. KP1/6C.1/36/TSP/04/001), there is 3 types of creepage distance as page 22: Application area SC D Inland 25m m/KV Industrial 31mm /KV Coastal Area 40mm/KV Pls advise that which type we should select to design.	Pollution Zone d-Heavy with specific creepage distance of 31mm/kV shall be the minimum requirement
6	N/A	N/A	We have noticed that in the BOQ, the 4th item is insulator stay LV porcelain, however in the	Refer to Addendum 1, item 3 dated 22 June 2020 on the specification for Stay LV porcelain.

Query No.	Clause No.	Technical Specification Requirement	Prospective Bidder Question	KPLC Response
			technical specifications, there are only 33kV and 11kV stay insulator drawings, does this mean that one shall propose the LV Stay insulator as per the 11KV stay insulator drawings?	
7	Clause 4.2.2.2.1	The weather sheds shall be made of polymer materials such as ethylene propylene or silicon elastomers such as Reinforced High Temperature Vulcanized (HTV) silicone rubber based on dimethyl siloxane of HPS silicone rubber compound 1800-120V all of which exhibit high hydrophobicity	Clause 4.2.2.2 of the specification for 66 kV and 132 kV composite line post insulators states that the watersheds shall be made of polymer materials such as HTV Silicon rubber or HPS Silicon rubber. Can we also make an offer for LSR Silicon rubber based watersheds? LSR Silicon demonstrates better hydrophobicity and is 100% Silicon.	The specification provides the minimum material requirements and any superior performance silicone-based materials will be acceptable. However, the manufacturer must prove the superiority .

### **3. EXTENSION OF TENDER CLOSING DATE:**

The Tender Closing Date has been extended from 9<sup>th</sup> July 2020 to 22<sup>nd</sup> July 2020.

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**

