

CLARIFICATIONS ON TENDER No KPLC1/2/6E/A31

We have perused the documentation and would like to request clarification and or the following information:

- 1 Is there an indicative bill of materials per lot that can be issued to the contractors to assist in understanding the required scope of works?

ANS: No.

- 2 With reference to part: **6ContrA31 - Section VI-PS, item 5.1.6.1 “Way leaves”** this is the responsibility of the Purchaser ie; KPLC. In order to register the way leaves, servitudes and permits it is assumed that a survey of the line routes have been completed. The question is 2 fold namely:

ANS: NB. The tender is involves Design, Supply and Installation of lines. Design starts from survey which will be the responsibility of the contractor.

- a Are all the way leaves, permits and servitudes completed and in hand by the purchaser in order to avoid delays in the construction schedule?

ANS: Wayleaves will be acquired by the employer after the contractor submits acceptable design drawings and are approved by the employer-KPLC

- b Assuming the surveys have been completed, could we request the routes of the lines according to Lot1,2 and 3 in a google map or similar format, clearly indicating where the start and end point of each section of line will be?

ANS: Surveys have not been done as it's the responsibility of the contractor.

- 3 With reference to part: **6ContrA31 - Section VI-SOW lines, item 5.2.3** the distances reflected in the description of Lots1, 2, and 3 are completely different from what has been published in the Specific procurement notice. Please clarify the distances of each lot and also

what the associated scope of work is at the connection and delivery points ie; protective devices such as Isolators or circuit breakers and terminations.

ANS: BO.Q have been revised accordingly. Kindly see the attached Price Schedules.

- 4 The bidding document mentions drawings on numerous occasions, however there were no drawings included in the bidding document CD, please clarify and issue these.

ANS: There are NO drawings. NB All detailed vendor equipment and lines design drawings shall be submitted to the employer for approval before placing orders or starting construction. They must meet the specifications of the tender.

- 5 The price schedule for the project is Lot/km. We request that the **BOQ is broken** down to

X No 15 M Poles, Y No 14 M Poles, Z No 12 M Poles, A No 10 M Poles, B km 150 ACSR,C No INTER, ASSEMBLY (With /Without Earth Stock), D No Vertical Section, E No Horizontal section, F No H Pole Horizontal Section, G No Double Cross Arm, H No TEE Off, J No VERTICAL FLYING ANGLE,K no Stay L No Flying stay, M No 4 phase LV under 33 kV, N No 1 phase LV under 33kV,O No Dual 33 KV,O No Dial 33 kV and 11 KV ,etc. This way the bids are comparable for exact similar quantities and interpretation of in terms of pricing. In the per lot pricing, For example if one bidder uses a 100m span design and another used 60 M span design, the quantity of fittings will be different. Four things are likely to happen.

- a The winner will be the one with 100 m Span design.
- b Then during implementation the client may want shorter spans and at that point some discomfort in the project begins. Client will push to get the job done and contractor will try to get shortcuts etc. the result maybe poor quality lines and or a financial loss to contractor.
- c Misunderstanding may arise as each party holds to their position.
- d The closure of the project will drag on for a long time.

The above proposed breakdown, will allow that the final design of the line to be the best possible to KPLC requirements. The final reconciliation will be fair to both KPLC and contractors. Any excess materials can also be easily quantifiable

In 2006 when we did our first turnkey projects. The above breakdown was what was provided, today in Uganda they still use the same concept and it is fair to both the client and contractor.

ANS: NB. The breakdown is normally given when the designs are done.

We look forward to your favorable consideration of the request to amend the BOQ and to reduce the risks both for KPLC and the contractor

ANS: There will be NO breaking down the B.O.Q to the proposed quantities. The contractor's design will be approved by the employer before placement of orders for materials. There are also NO designs done by the employer so as to help generate B.O.Q as requested. This tender requires that the contractors bidding have adequate experience and that must have handled such works before.

- 6 With regards to lot 1, The BOQ quantities do not add up to 311 KM It is less than $\frac{1}{2}$. With Regard to Lot 2 ,The BOQ quantities do not add up to 188 KM, Its just about $\frac{1}{2}$ and the BOQ description is for 66 KV Line instead of 33 kV Line. With regards to lot 3, The quantities on BOQ do not add up to 158 KM it is less than $\frac{1}{2}$

ANS: BO.Q have been revised and hence no need to adjust the above qualification criteria . Kindly see the attached Price Schedules

- 7 Based on the quantities being less than in the BOS compares to the tender description, can the qualification criteria be revised to reflect the same i.e. About $\frac{1}{3}$ or $\frac{1}{2}$ original requirement Average turn over

Lot 1 USD 3,000,000 or 4,500,000
Lot 2 USD 1,800,000 or 3,200,000
Lot 3 USD 1,300,000 or 1,800,000

Financial resource

Lot 1 USD 300,000 or 450,000
Lot 2 USD 180,000 or 320,000
Lot 3 USD 130,000 or 180,000

ANS: BO.Q have been revised and hence no need to adjust the above qualification criteria . Kindly see the attached Price Schedules.

8 Please send us minute of meeting if available.

ANS: Attached

9 There are not any documents regarding number of substations to be built.

ANS There are NO substations to be built but Lines emanating from substations

10 Please provide more data regarding location and configuration of each substations.

ANS There are NO substations to be built

11 Please provide us drawings for the substations.

ANS There are NO substations to be built

12. There will be new substations, or some old substation will be rehabilitated?

ANS There are NO substations(new or old) to be built

13. As per point 4.1.4.1.5 from Section VI, *"The Drawings issued with these documents are for tendering purposes only"*. There are not any drawings attached to tender documents. Please provide one set of basically drawings for transmission lines equipments: line route, foundation, poles, string insulators, etc.

ANS: There are no drawings as all drawings including the equipment vendor drawings will be approved by the employer at detailed design stage after award of contract.

14. Please provide the number of surge arrestors and switch disconnectors needed for the transmission lines.

ANS: Surge arrestors are included in the revised B.O.Q attached. Ignore the switch disconnectors as it will be done under other scope by the employer (KPLC).

15. Regarding re-conductoring works, can you provide how many km of 11kv, 33kv and 66kv will be re-conducted? As per Bill of quantities these items are quantified per pcs. and it is not relevant.

ANS: There is no re-conductoring but transfer of 11KV or 33KV fittings and conductors to the new pole.

16. All the tender documents are uploaded on your website?

ANS: Yes

17. There is a geotechnical study done for the location of transmission lines and substation? If yes, can you provide it please?

ANS: There is no geo-technical study done for the locations/routes for the lines.

18. Items KA-410 to KA-413 under Lot 1, NG-410 to NG-413 under Lot 2, KAMG-410 to KAMG-413 under Lot 3- The material supply required for "transferring" LV, 11 kV & 33 kV lines mentioned in the referred items is not listed under schedule-1 of material supplies. Pl. clarify whether KPLC will be supplying the material or if the contractor to supply. If contractor to supply the location of the price schedule to include the material.

ANS: Included.

19. Items KA-403 under Lot 1, NG-403 under Lot 2, KAMG-403 under Lot 3 The grade of concrete to be used for retaining walls are not indicated. Pl. clarify the Grade of concrete to be used for retaining walls.

ANS: Not Less Than Class 30

20. Items KA-404 under Lot 1, NG-404 under Lot 2, KAMG-404 under Lot 3 Details of bridge crossings are not available. Also indicate length of bridge crossing, type of crossing, whether it is under crossing river OR overhead bridge.

ANS : Use of Steel Girder is Applicable whenever there is bridge crossing with underground cable

21. Items KA-402 under Lot 1, NG-402 under Lot 2, KAMG-402 under Lot 3 Pls. provide details and specification for reinforced cable jointing chamber for underground cable

ANS: It should be reinforced concrete measuring not less than two metres by two metres with an anti-vandal cover.

22. Items KA-405 under Lot 1, NG-405 under Lot 2, KAMG-405 under Lot 3 Pls. provide route maps for underground cable path

ANS: This is a design issue. Bidders were shown the general line routes during pre-bid and need for cable paths will arise during detail design.

23. Kindly provide the guaranteed technical particulars for 33KV insulators.

ANS: Attached

33kV Composite Insulators

Description	Bidder's offer
Service Conditions	
Applicable Standards	
Maximum System Voltage (kV) and frequency (Hz)	
One-minute power frequency withstand voltage, 50Hz, wet (kV)	
Lighting impulse withstand voltage, 1.2/50µs pos. (kV)	
Minimum creepage distance (mm)	
Specified mechanical load, tension (kN)	
Length of insulator set with fittings (mm)	
Minimum Arcing Distance (mm)	
Material of fittings and level of corrosion protection	
Material of rod	
Material of housing and sheds	
Socket, size & standard	
Ball, size & standard	
List of copies of Design and Type Test Reports submitted (indicate Test Report	
List of Acceptance Tests to be witnessed by KPLC Engineers at the factory	
List of catalogues, brochures, technical data, drawings and customer sales	
Inspection for Acceptance to Stores & Guarantee	
Statement of compliance to specifications	