

CLARIFICATIONS TENDER KEMP		
ITEM	QUESTION	RESPONSE
1	<p>With regards to the Mt. Kenya Lot 1 tender , we are in the process of preparing the offer for 315KVA, 2500KVA & 7.5MVA.Kindly provide us the following details to enable us to proceed further:</p> <p>Voltage ratio of each type of transformer</p> <p>Tap changing mode: Off circuit Tap Changer (or) On Load Tap Changer</p>	<p>315 KVA not in scope, please clarify</p> <p>2.5MVA-33/11kV, 7.5MVA-33/11kV. Full details in Transformer Technical Specifications.</p> <p>7.5MVA-On Load Tap Changer 2.5MVA-Off load Tap Changer</p>
On 11 kV FEEDER		
2	<p>The SLD shows each feeder had 1 ABS , 6 links and autorecloser</p> <p>Under clause 4.2.5.2 The description has 1 ABS we assume it is located from busbar before CT and an Auto recloser set also has its bypass ABS should this be the one with earth switch</p> <p>The BOQ description 1 1kV Auto Recloser in Feeder Bay complete with</p> <p>By-pass Air Break Switch (1), Isolating Links (6)</p> <p>Could the drawing, the BOQ and description be harmonised</p>	<p>See Attached Single Line Drawings. The following shall be added to The BOQ:-</p> <p>In ALL 33/11kV S/S - 11kV VT's = 7 No.(i.e 2 x 3ph & 1 x 1ph)</p>
3	<p>With regards the Automation , there is one panel for 11kV Feeders Control Panel, confirm that we in this one panel need bay control units equal to the number of feeders (so each feeder has its own BCU) , and in the same panel include the metering</p>	<p>For the 7.5MVA & 2.5MVA S/S -</p> <ol style="list-style-type: none"> 1. Control & Relay Panel for the Transformer Bay. 2. Control panel for the 11kV fdrs (Auto Reclosures) 3. Metering panel for 33kV & 11kV Circuits. Check the BOQ. <p>The Control panels shall not have BCU's but Mimic Diagram with Discrepancy switches and Measuring Instruments for all the 11kv Bays.</p>
The project is CIP or DDP Base.		
4	<p>In the ITB 17.5(a) the bid is base on DDP to Defined Location in Lot, but in the GC 14.2 state the Employer will bear</p>	<p>DDP to Defined Locations in Lots as per BDS</p>
5	<p>All customs and import duties for the plant specified in Price Schedules No. 1.</p> <p>Other domestic taxes such as, sales tax and value added tax(VAT) on the Plant specified in Price Schedules No. 1 and No.2 and that is to be incorporated into the Facilities, and on the finished goods, imposed by the law of the country where the Site is located.</p> <p>Please clarify which party should bear the Custom& Duty? If employer will bear the Custom & Duty, how many day he will accomplish the relevant work? If Contract will bear the Custom & Duty, a list of duty ratio or an official reference web will be prefer to provide.</p> <p>As per the (b), employer will bear all domestic taxes please inform us your normal operation method for VAT exemption in previous project, does the VAT is mandatory quotation in the bidder total price?</p>	<p>Contractor shall bear all Taxes, Duties and Levies including VAT. Bidder to consult their Tax Experts on applicable Taxes in the Country.</p>

6	Please clarify the bidder's profit tax for offshore (outside of the Kenya) portion will be levied in Kenya or not? Please clarify the bidder's profit tax for onshore portion will be exemption in Kenya or not?	Bidder to Consult their Tax Experts
	In the ITB10. I state that any translation shall be done by an Authorized Institution.	
7	Can you provide an explicit explanation on the Authorized Institution, Viz. what kind of Authorized, from an official translation institution, or from a public notify?	Official Translation Institution, with details for verification.
8	Could you provide an editable version Price Schedules for A36A bid?	Shall be availed but in case of conflict the Original hardcopy version shall prevail.
9	Section II. Bid Data Sheet With reference to ITB 11.1.1(K) Project completion certificates must be provided as a proof of past project performance. Ask: Please kindly clarify this requirement is for Main contractor itself instead of local subcontractor. Nomination and assignment letters for the local subcontractors signed by both parties for: a) Civil subcontractors b. Electrical Subcontractors	See revised Section III, attached to the clarification
10	Please kindly clarify that in one contract main contractor should only assign one subcontractor who is play the role of both civil subcontractor as well as Electrical installation subcontractor.	No. Bidder to decide.
11	.Please kindly clarify both 66/11kV S/S & line can be done by one same subcontractor.	Yes
12	Section III. Evaluation and Qualification Criteria- Without Prequalification International bidders shall nominate locally owned civil and electrical installation subcontractors. The local contractor must have successfully completed at least on similar project. The local subcontractors shall have a maximum of two(2) sites at a time.	See revised Section III, attached to the clarification
13	Please kindly clarify our nominated subcontractor could also bid as a main contractor for the local tender package.	Yes.
14	Due to the requirement of local subcontractors shall have a maximum of 2 sites at a time Please kindly clarify if in package, for instance, KP1/12A-2/PT/4/14/A36A/1 Design, Supply, Installation and Commissioning of Substation and Medium lines(Mwihoko, Umoja, Ketengela, Kangundo and Kiserian) need at least three(3) subcontractors?	See revised Section III, attached to the clarification
15	Please kindly confirm the contract payment for the local portion will pay to the main contractor or directly pay to local subcontractor?	Contract payment for local Civil and Electrical subcontractors shall be assigned by the main contractor. Payment for assigned amounts shall thus be paid to subcontractors when progress have been verified by Main contractor and Employer.
	Altitude for insulation coordination:	
16	Refer to specification: clause 3.1.1 (page.27), All High and Medium Voltage equipment shall be designed for installation at 2200m above sea level. But clause 3.1.5 (page.28) shows the altitude with the max 2200m and the min below 1000m.	All designs for installation at 2200m above sea level
17	Please kindly indicate the detail altitude of each substation or we just correction comply with the 2200m above sea level.	All designs for installation at 2200m above sea level
	66kV Earthing switch quantity:	
18	Refer to attached single line diagram and BOQ of the substation. (Clause 4.2.22, page 201~page 210) No earthing switch is required for 66kV bus bar and transformer HV side.	Yes

19	Please kindly clarify, do we need to supply these earthing switches for maintenance or not.	As per BOQ
	66 kV Voltage Transformer quantity:	
20	Refer to attached single line diagram, only 8 sets of 66kV voltage transformer are required, 6 sets for line feeder and 2 sets for busbar. But 12 sets are required in BOQ for each substation. (Clause 4.2.22, page 201~page 210) Please kindly clarify	Correction: Busbars VTs are 3 Phase VTs. Hence a Total $4*3=12$
	11kV Capacitor bank	
21	In Section VI Employers Requirement , Refer to BOQ, (clause 4.2.22, page 201~page 210) 2 sets of 11kV switchboard panel for capacitor banks are required for each substation. Please kindly clarify, do we need to supply 11kV capacitor bank or not. If required, please inform the detail requirement of the capacitor bank.	No, do not supply capacitor banks. Just spare panels
	For substation extension	
22	Refer to BOQ, (clause 4.2.22, page 201~page 210) complete 66kV bay is required for each opposite substation, but the Schedules of Rates and Prices is not inducing those scope.	This is included in the bidding forms as Incomer Source Equipments
23	Please clarify whether the extension 66KV bay in the opposite substation includes in this project? If the extension work is required, please kindly provide the related single line diagram, substation plan and section drawings for reference.	This is detailed design to be done later
	MV power cable	
24	Refer to BOQ, (clause 4.2.22, page 201~page 210). MV Power Cables between transformer and switchgear, S/C 630mm Sq Cu are required. Can we calculation according to the cable sizing based on the specification or just comply with the requirement?	Design Calculations will have to be done by the bidder to justify use of this cable or any other size
	66kV Line protection	
25	Refer to the specification, (clause 4.1.2.6.2.1 66kV Line Protection, page 79), the auto reclose relay is required. Can we integrate the auto-reclose function into the distance protection relay, Please kindly clarify.	Yes
	Control and Protection Panel	
26	In the Section VI Employers Requirement 4.1.2.1.2.1 it mentions that “outdoor switchgear shall have a control and relay panel in the control room with facilities for local control” but in the	For 33/11kV s/stns, See ITEM No. 3
27	Schedules of Rates and Prices the control panel and protection panel is independently for 66KV Trafo and OHL bay. Please clarify which type of panel is your desire.	For 66/11kV s/stns, the panels to be independent
	Creepage Distance	
28	In the Section VI Employers Requirement 3.1.1 , it mentions that the creepage distance shall not be less than 31 mm/kV line voltage in Coast and industrial area and 25 mm/kV for inland installations. Please clarify each one of five should adopt 25MM/KV.	Coast, Nairobi 31mm/kV, Mt Kenya and West Kenya 25mm/kV

	Overhead lines	
	Poles	
29	Refer to the specification: clause 5.2.1, page 274. Concrete poles shall be used in all cases, and refer to clause 5.1.10, page 285, the network shall be supported on wood poles, however alternative supports such as concrete and steel structures may be considered. Please kindly clarify which one we shall comply, wood poles is acceptable?	Concrete Poles Only
	Lightning protection of overhead lines	
30	Please kindly specify the lightning protection angle requirement of overhead lines.	Bidders Responsibility, Detailed Design
	Strand conductor	
31	For 300mmsq strand conductor, please kindly clarify which kind of conductor we shall comply with, ACSR or AAAC.	AAAC
32	Reference to the tender, in part II of employer specifications you have indicated that all 66kV & 33kV lines shall have 25mm shield wire. In areas where the OPGW is also required, we propose to use OPGW only as an earth wire & Fibre optic at the same time rather than having OPGW + Shield Wire. Please confirm whether this is acceptable	Agreed, Use OPGW both as an earth wire and FO
33	In regard to tender no. KP/12A-2/PT/4/14/A36C/1 - Design, supply and installation of substation and lines (West Kenya Region Lot 1), please provide us with the technical details of the OPGW and ADSS cable. For example, the RTS, Short Time Current, Supporting Cross Section, Span, and so on.	Bidders Responsibility, Detailed Design as per specifications
34	Referring to my yesterdays mail on the tap charger this is the statement in the tender doc The tap changers for transformer with higher capacity than 7.5 MVA shall be of the vacuum type, whilst lower capacity transformers may have conventional oil type.	The falls under the latter category - ordinary tap changers.
35	We therefore seek your clarification ,Since 7.5 MVA transformer is not less than 7.5MVA, also not higher than 7.5 MVA. There are remote stations to be connected to the new station eg source of line In the BOQ for example 33kV Line Control & Protection Panel (Remote Stns-Kiganjo 132/33kV S/S) Will this remote bays be automated? If the will how is it envisaged for implementation	All source bays shall be automated. It is in scope of supply
36	Kindly also confirm if the control relay should be IEC 61850 compliant for integration to SAS or it only requires close , open and position status signal by hard wiring to BCU ?	61850 Compliant
37	Please clarify who will implement bush clearing on site?	Contractor
38	In Section III. Evaluation and Qualification Criteria.-1.1 Technical evaluation, "e." is missing, and "2" above 1.2 Economic Evaluation is missing. Please clarify whether some contents are missing there.	See revised Section III attached.
39	Please clarify whether the owner designate subcontractor for civil works and installation works.	No, The Bidder will appoint his own Civil Subcontractor as per qualification criteria
40	In the Form of Bid Security, does it need to indicate the address of the beneficiary? Please clarify.	As per Bid Doc
41	The shipping terms in BDS 17.5(a) and ITB 17.5(a) are different, whether it is DDP or CIP, please clarify.	DDP
42	Please provide network layout clarifying the distances between substations	Bidders to access sites during site Survey for their preferred LOT.
43	Please provide fiber cable interfaces at each terminal	Bidder to clarify what is meant by "fiber cable interfaces at each terminal"

44	· Please provide the required coverage area concerning VHF scope	VHF power output as per specifications.
45	· Please provide SLD for BOFU S/S & Port Reitz S/S	23 MVA 33/11kV SLD Attached.
46	As per the addendum dated 7 th August, the pre-bid meeting was postponed till 11 th September, which means that the site visit will be conducted after the pre-bid meeting. Usually projects with such size and complication, site visit represents a back bone for the scope of work needed and a major source to collect all the needed information. Accordingly, the bidders will have only around 14 days after the site visit to prepare their proposal. Accordingly, we would like to suggest to make the site visit earlier to give the bidders the needed time to provide professional proposals meeting your expectations	No Extension, deadline for bid submission remains the same
47	Kisumu South 23MVA Transformer(KSMS-001) and 33kV OH line in 150 sq. mm(KSMS-201) - Sir it seems to me that the prescribed 150 sq mm ACSR incomer will be operating well beyond its current carrying capacity if it is to serve as the incomer to the 23MVA power transformer.	Detailed design calculations
48	Please provide the Guaranteed technical particulars for the following equipment ;	
	· Surge arrestors	Attached
	· Isolators	Attached
	· Air break switches	Attached
	· Insulators	Attached
	· Auto reclosure	Attached
49	As per Addendum no. 1 received, the tender security is to be at 148 days . Please clarify whether the Bid validity period as mentioned in ITB 19.1 remains to be 180 days .	180 days. See revised BDS
50	Please clarify on the required completion period for the project because in ITB 13.2 it's mentioned as 18 months whereas in PC 8.2 it is 24 months .	18 months
51	Clarification is required on letter of credit (LC); will it be opened to the bidder/contractor or will the opening be made to the approved suppliers bearing in mind this tender is open to local contractors only.	LC will be issued to main contractor
52	Confirm whether this tender is exempt from duties and taxes	No, it is not Duty Exempt
53	In the BDS in ITB 1.1 It's mentioned that bidders are not allowed to bid for more than one lot, at the same time in ITB 35.1 under the BDS it's mentioned that Conditional discount on award of more than one Lot will be considered. Please clarify on how many lots/ contracts a bidder is allowed to quote.	One Lot only. See Revised BDS
54	Preparation of Bids	
	ITB 10.1 The language of the bid is: English	
	Question:	
55	Please give a more detailed interpretation for the Authorized Institution. How shall we understand the word "Authorized" hereby? What organization / institution shall be deemed to have such an authorization?	See ealier response
56	Is it acceptable if a bank guarantee is directly issued to KPLC by Bank of China, which is based in China, instead of through a Kenya based correspondent financial institution or bank? Is such a bank guarantee acceptable if the bank guarantee is not endorsed or confirmed or verified by a local institution or bank?	No.
57	Please kindly provide the tender documents in WORD or any other editable formats to facilitate documentation. For instance, is it possible to provide the price schedules in the EXCEL format?	Provided Excel sheet price schedules soft copy to be updated to include all items listed in clarifications by bidder.

58	With regards to SCADA and telecommunication tools-Item 4.1.6.9 can list of tools and brand name be provided (as price of tools depended on the brand) -Item 4.1.2.4 can list of spares and tools required be provided	See attached specifications 4.1.6
59	Can detailed signal list be provided so that the correct devices with adequate I/O be provided	Detailed Signal list part of detailed design and is derived from scope of works.
60	Meters communication clause 4.1.2.7.1 can it allow energy meter to communicate to control system in addition or alternatively by RS485 or Ethernet Port.	Meters shall be integrated to the SAS using IEC protocols.
61	We are interested in Lot 1 for which we have found only two drawings: (1) Single line Diagram (2) Lay out of telecomm system. It seems to me that these are very few drawings. We were expecting to find also the layout of substation, civil works drawings, protection schematic--etc. kindly confirm if there are other drawings to be issued for this project.	Detailed design drawings are the responsibility of bidder.
62	Can we propose different manufactures for different major equipments example: HV-MV switchgear: one manufacturer, Control and Protection: one manufacturer, Instrument Transformer: one manufacturer	See Revised Section III
63	Clarify that a bidder can be authorised to be a subcontractor in any of the contracts though they have bid for other lot (s) independently or on a JV Basis	Bidder can bid independently or as a JV and also bid as a subcontractor for another Lot. Bidders allowed to bid as JV in only one LOT
64	Due to the requirement of local subcontractors shall have a maximum of 2 sites at a time Please kindly clarify if in package, for instance, KP1/12A-2/PT/4/14/A36A/1 Design, Supply, Installation and Commissioning of Substation and Medium lines(Mwihoko, Umoja, Ketengela, Kangundo and Kiserian) need at least three(3) subcontractors?	See Revised Section III
65	Which Iranian banks are verified by the employer to issue Bid Security?	Requirements for Bid Security as per bid document.
66	Could we have the list of clarification answers probably raised in the pre-bid meeting? (E.g. discrepancy between items in schedule No.1, page 13, section 4 and voltage rate mentioned for Lot 2. *66 kv < 33 kv*)	Clarifications sent to All bidders
67	Can we ask for 2 weeks of extension added to mentioned submission date?	No.
68	It's notable that Tejarat Bank (Iranian Bank) is more plausible to be probably chosen, since receiving the guarantee through the mentioned bank could be processed faster.	See earlier response
69	In our understanding, OPGW will be installed on the 33kv lines and the lengths are therefore matching with the 33kv lines. Kindly clarify for us where the ADSS will be installed given that its length is substantial in both Sosiat and Mosocho.	OPGW will be installed with new lines, However, due to need to connect new station with fibre, ADSS will be installed on existing lines to reach the source station, where fibre already exists.
70	In Kisumu south S/S, we have two 33kv lines i.e KSMS-201 10kmtrs and KSMS-206 10kmtrs whereas the OPGW is 10kmtrs. Kindly confirm that only one of the lines will have OPGW	
71	Is there a schedule for the site visits after the pre-bid meeting?	Attached
72	Are cadastral plans and route maps or co-ordinates available for the proposed sites of the substations	Bidders to get site details during the site visit.
73	On specific experience 2.4.2 KP1/12A-2PT/4/14/A36A and KP1/12A-2PT/4/14/A36B/1, please clarify transformer capacity of 23 MVA is correct or it's a typographical error.	See revised Section III

74	In the given bill of materials for KISUMU SOUTH S/S, equipment to be provided at Remote S/S – KISUMU 132/33kV & Kisumu East are also listed. Whether modification work at Remote S/S KISUMU 132/33kV and Kisumu East to be considered or not ?In case this is to be considered then please forward the layout, SCADA / Tele protection details of existing sub-stations.	Modifications works for Kisumu 132/33 to accommodate new station is in scope of supply. No Tele-protection in scope. Existing SCADA equipment at Kisumu 132 is using RTU 560 and SCADA.
75	Plot plan of new KISUMU SOUTH S/S	Bidders will be shown the site during the site visit.
76	In Part 1 Sect III, Evaluation and Qualification Criteria, 2.7, sub-contractors , the requirement is " must have been in service for at least 5 years outside coutry of manufacture, please clarify which kind of document shall be provided for supporting the point.	Reference letter(s) and references submitted by bidder, which are verifiable shall be provided.
77	As part of Sect IV Bidding Forms, Schedule No. 1 Plant and mandatory Spares supplied from abroad - Lines Item MWHK-204, UMOJ-204, KITE -204, KANG - 204 and KISE 204, the ADSS qty is empty, Please confirm.	Where ADSS Qty is not indicated please quote only unit price, with Qty Zero.
78	As Part of 2, Sect VI 4.2.23.2, for substations the items Tools, Laptops 2, SCADA and Telecoms, Set 1 and Secondary Test set, cannot be found in Price schedules, please clarify,	Include in price schedules.
79	As Part of 2, Sect VI, bidding forms schedule 4 installation and other services, there are five separate forms for five substations, (Mwihoko, Kitengela, Kangundo, and kiserian), we can see the first substation is Mwihoko in the form but the last substation is the same Mwihoko, Please clarify.	Corrected forms attached.
80	In bid Data Sheet how can one bid for one Lot in A36A, and another LOT in the others namely A36B, A36 C and A36D	No. Bidders can only bid for one LOT in the eight LOTS. That is if a bidder bids for A36C Lot 2, they can not bid for any other LOTS that is A36A, A36B 1&2, A36C, 1&3, A36D 1 & 2. See earlier response on JV and subcontracting.
81	Item 3: confirm the 11 kV feeders have no automation and will not be connected to SAS. Without BCU's it is not possible to connect then to SAS	11 kV feeders will have Automation, using a common BCU or dedicated BCU
82	Item 36 ; confirm autorelease relays do not need communication by IEC 61850 as there is no automation for feeders	See above response

83	Regarding OPGW, we do not find any specific technical specifications or guarantee schedules for electrical and mechanical parameters. For example about Tensile Strength UTS (kgf), Fault Current capacity (kA2sec) etc.	The mechanical and Electrical parameters shall be a design approval issues taking into consideration that OPGW is used as the line's earth wire.
84	Q: Please clarify a higher level type test report for materials and equipment as offered materials and equipment is acceptable or not?	Must meet the specifications
85	a) Participation as contractor, management contractor, or subcontractor, in at least two (2) contracts within the last five (5) years, that have been successfully completed and that are similar to the proposed, Plant and Installation Services. The similarity shall be based on the physical size, complexity, methods/technology, with multiple sites under one contract that are geographically widespread or other characteristics as described in Section VI, Employer's Requirements. (b) For the above or other contracts executed during the period stipulated in 2.4.2(a) above, a minimum experience in the following key activities as follows: Lot1-: Design, supply and installation of Medium Voltage (66/11KV) Substations and lines with minimum transformer capacity of 23MVA . Q: Please clarify a high voltage (110/35KV or 110/11KV) Similar project experience is acceptable or not?	Yes.
86	Section II Bid Data Sheet ITB 18.1 The currency(ies) of the bid shall be as follows: Kenya Shilling (for Schedules 2 & 4) and ONE freely convertible currency. Can we deem that Schedules 1 can offer a freely convertible currency?	Only USD and KES
87	If there is a certain requirement for proportion of Kenya Shilling and freely convertible currency?	No.
88	Refer to TS 4.1.1.9 (page 46), for very confined substations in the Nairobi an alternative with indoor 66kV switchgear is to be included in the Bid. Q: Is there any indoor 66kV switchgear shall be quoted, please kindly clarify.	None, outdoor
89	Refer to TS 4.1.1.10.9.1 (page 49), for 11kV indoor switchgear, Feeder circuits shall be equipped with a current transformer on three phases with 4 cores. But control and protection only requires 2 cores for 11kV feeder. Q: Shall we offer as per the function necessary, please kindly clarify.	Quote as per scope of works
90	Refer to TS 4.1.1.10.9.1 (page 50), Transformer bushings shall be equipped with a current transformer on each phase with 4 separate cores. As individual CT with 4 cores for transformer feeder already required. Q: Shall we still quote the transformer bushing CT, Please kindly clarify.	Yes
91	Refer to TS 4.1.1.10.9.1 (page 51), Loose Transformers for Transformer Neutral. Can quote this CT as transformer neutral bushing CT . Q: Please kindly clarify.	Lose NCTs
93	Refer to TS 4.1.1.15 DC supply. The batteries shall be of the Nickel Cadmium type for 110V DC system (page 60), and the batteries shall be sealed, maintenance free lead acid type for 48V DC system (page 62). Q: Please kindly clarify Nickel Cadmium type for both 110V and 48V is acceptable? Refer to TS 4.1.2.1.2.1 (page 72). The protection and control functions can also be combined in one unit. The BCU can be combined with protection and control functions for 11kV.	Nickel Cadmium acceptable Separate protection panel

94	Q: Please kindly clarify the BCU located in the MV switchgear Panel or located in one separately Protection panel?	
95	Refer to TS 4.1.2.6.2.1 (page 78), 66kV Line protection. Is there any synchronization check function required for line protection? Q: Please kindly clarify.	Yes
96	The 11KV bus bar rated current is required only 1250A, Please consider it is enough for your operation and future extension?	1250A for the 11kV busbars in 23MVA S/S.
97	Please clarify the 66KV OHL line design by wood pole is acceptable or not?	No
98	In the Page 17 of Volume-II, 20% of SF6 is required for the project. It seems too much considered, can we supply as per experience Manufacture recommendation.	As Scope of supply defined in specification
100	Refer to TS 4.1.2.6.2.1 (page 80), Auto Reclose Relay. As auto-reclose function already included in main distance protection relay. Is this individual auto-reclose relay still needed? Please kindly clarify.	Yes
101	Refer to TS 4.1.2.6.2.1 (page 79), Sensitive Earth Fault Relay. Can we combine sensitive earth fault protection with over current and earth fault protection in one protection relay? Please kindly clarify.	No.
102	Considering the parallel operation required for main transformer. The impedance voltage of the power transformer shall be 11% to limit the short circuit current on 11kV busbar as it is 25kA/3s required. Please kindly confirm.	Refer to Specs
103	Accuracy class 5P20 can meet the CT requirement of biased differential protection. Can we quote class 5P20 CTs instead of class X CTs for biased differential protection? Please kindly clarify.	Refer to specs
104	Refer to the attached SLD in specification, the 66kV bus section disconnecter is required but not listed in BOQ. Is the 66kV bus section disconnecter required, please kindly clarify. Refer to TS 4.1.6.9 (page 178), Spare Parts, Tools and Test Equipment. Besides OTDR, is there any fusion splicing machine required? Please kindly clarify.	Include in scope of supply and in BOG

105	Refer to TS 4.1.2.1.2.5 Data Transmission (page 72). The SAS shall be able to communicate with the ABB type SCADA system. Is that means the telecommunication device shall be from ABB, any other brand for telecommunication can be accepted? Please kindly clarify.	Must not be from ABB. Any system/manufacture which meets specifications acceptable.
106	Is there any bay marshalling kiosk required for 66kV outdoor switchgear as not listed in BOQ? Please kindly clarify.	Expected as part of scope of substation installation equipment/Material
107	Please provide load details i.e. load current (Amps) backup time (hr/min) to size the battery	Backup time 8 hrs.
108	Provide battery capacities	Based on bidders' equipment consumption to achieve backup time and specifications in the document
109	For 11 kV Auto Recloser, 6 Isolating Links have been required in the Schedules of Rates and Prices. Could you please explain what Isolating Links are	These are taplin isolating links
110	For 11 kV Auto Recloser, we skimmed over the required technical specification and it says that the short circuit withstand current level shall be 25 kA. As far as we know, none of Auto Recloser manufacturers can meet this requirement. Shall we offer lower rate of short circuit withstand current? Please clarify	Particular Tech Specs for Switchgear See. 4.1.1.8.9
111	There are no specific technical details for 33 kV circuit breaker and isolator in the bidding documents and all available technical specification are general. Please provide us with the same.	Particular Tech Specs for Switchgear
112	There are no specific technical details for 11 kV Auto Recloser in the bidding documents and all available technical specification are general. Please provide us with the same.	Particular Tech Specs for Switchgear
113	As you know the 11 kV indoor switchgear consist of incoming, outgoing, VT, etc., but that did not mention the details in the technical specifications, however in SLD and also Schedules of Rates and Prices only 11 kV Auto Recloser are required not 11 kV indoor switchgear and circuit breaker! We even cannot find the cubicle arrangement, and components for each type of cubicles and also do not know what the protection relay has put in the switchgears. Please clarify the matter.	Switchgear in this Lot3 are all OUTDOOR
114	There are no specific technical details for current and voltage transformers in the bidding documents and all available technical specification are general. For example we need to know:	
	a) Type of CTs & VTs: Indoor or outdoor? Window type or Post type?	OUTDOOR
	b) Rated ratio?	See 4.1.1.10.9 and Design of Bidder
	c) Number of cores as well as accuracy class and burden for each	See 4.1.1.10.9 and Design of Bidder
	d) Insulation level?	See 4.1.1.10.9 and Design of Bidder
	e) Thermal short-time current (? kA/ 1sec)	See Project Specific Data for Design Data
115	There are not enough specific technical details for power transformers in the bidding documents and we need to know the followings at least:	See Particular Technical Specifications-Transformers
116	a) Impedance Voltage (%) for nominal and other tap positions?	See Particular Technical Specifications-Transformers
	b) Tap changer type?	
	c) Cooling type (ONAN or ONAF)? In case ONAF, we need to know ONAN capacity.	

117	There are total five no. of substations in Kenya West Region Lot3: KIBEBETIET, ALDAI, MOLO, NYAMIRA and KITARU; but there is only one single line diagram (SLD) in the bidding documents without mentioning substation information. Are all 5 substations the same? Do you have the SLD for each one of substations	SAME SLD
118	In single-line drawing, one switch (66kV A/B switch) can be found in 66KV bus bar. But it can not be found in the table of 007 66kV Bay and Busbar Material, pls confirm with this. Shall we add it to the table of 007 66kV Bay and Busbar Material?	Include in bus bar materials
119	Auxiliary transformer 100 kVA, 11/0.41 in BOQ document is different from the Auxiliary transformer 50 kVA, 11/0.433 in single-line drawing. Pls confirm which one is correct?	100 kVA
120	11KV E/Switch in single line drawing can not be found in BOQ document. Pls clarify.	Include
122	Pls confirm the actual quantity of 11KV Surge Arrester in BOQ document. Thanks. 30 is too many, a little bit unbelievable	Quote as per scope of works
123	Refer to the documents Particular Technical Specifications - Substations Control, Protection in the tender material, page 15, client has only mentioned the 63 kV transmission line protection function requirement, and also has required distance protection, but the substations we are working on them are all 33 kV, and they have the 33 kV O.H.L., so does the 33 kV O.H.L. need the distance protection?	No Distance Prot on 33kV Circuits
124	Are ACSR 75 mm ² conductors bare or covered with PVC?	BARE
125	We refer to your tender No. KPI/12A-2/PT/4/14/A36A/1 for Lot 1 - Design, Supply, Installation and Commissioning of Substations and Medium Voltage lines (Mwihoko, Umoja, Kitengela, Kangundo and Kiserian) Our principals in Italy are interested in participating on the above contract for which we have found only two dwg : Single Line Diagram Lay out of Telecomm System It seems to me that these are very few dwgs. We were expecting to find also the lay out of Substation , Civil works dwgs, Protection schematic ...etc	Additional SLDs were issued in clarification 1. No additional drawings shall be issued as the bidder is expected to give solutions as project(s) are turn Key based on the specifications. Civil drawings are site specific.
126	Can we propose different manufacturer for different major equipment, e.g. transformers from manufacturer X, and SAS from from Manufacturer Y?	YES
127	The quantity of 66 kV motorised isolators without earth switch indicated as "6" Nos.However as per SLD the same is "7" Nos.Please confirm.Please clarify how is BOQ, and SLD placed in above priority.Please confirm that, in all the case wherever thereand SLD placed in above priority.Please confirm that, in all the case wherever there are qty ambiguities (may be Arresters, CT, PT etc) , we shall go ONLY as per the BOQ	Unless specifically informed as part of the Clarifications to change the BOG, items which the schematic and BOG conflict, the BOG shall prevail.
128	we have found no attachment as per item 48 of the clarification	Attached.
129	There is a 11 kV and 33 kV meters panels – do this meters also need to communicate to the SAS	Yes
130	Is the submarine cable 3 core or single core	Single core
131	Is the project Duty Exempt	No. See earlier response on Taxes. C
132	It calls for the , results of type test shall have been conducted at least six (6) months prior to bid submission . We request this to be relax to “5 years”	6 Months
133	Please confirm whether we shall be provided with the storage space for materials at the site or it shall be in Contractor's scope.	Contractors scope
134	We understand that contractor is responsible for the clearance of order to clear the material duty free. Demmorage & additional timematerial at port. Howeve KPLC has to provide Exemption letter in on account of delay in receipt of such exemption letter will be claimed from KPLC with reference to clause No. 40 of GCC (Extension of Time for Completion)	No Exemption letters shall be issued as is not duty free. See earlier response and Bid Data Sheet

135	We request you to provide us with split contract. Ie. Separate contract for offshore supplies (USD) and onshore services(KES). Please confirm.	No split contract
136	Price Schedule calls for , prices of Mandatory spares and tools, however we observe that the Schedule 5 .Grand Summary , does not include the prices of these spares . Kindly whether we have to offer prices of these spares. Even if we offer does it mean that these spares prices will not be evaluated, and our Bid Form should carry the prices without these spares.	Mandatory spares are part of Schedule 1, and shall be included in schedule 1 total.
137	Can mimic diagram for 66kV be provided on 66kV CRP front cover instead of the BCU(Relay).Also the Mimic diagram will be available on SCADA.Please confirm.	As per specification.
138	Can bidder offer equipment with slightly varying qualities other than those in specifications?	No