ITEL 4	RESPONSE TO REQUEST FOR CLA		
ITEM	QUESTION	RESPONSE	
	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:	315 KVA not in scope, please clarify	
1	the state of the s	2.5MVA-33/11kV,	
	Voltage ratio of each type of transformer	7.5MVA-33/11kV. Full details in Transformer Technical Specifications.	
	Tap changing mode: Off circuit Tap Changer (or) On Load Tap Changer	7.5MVA-On Load Tap Changer 2.5MVA-Off load Tap Changer	
	On 11 kV FEEDER	Company of the Samuel Company of Samuel	
	The SLD shows each feeder had 1 ABS, 6 links and autorecloser	commenced by the control of the control	
2	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	See Attached Single Line Drawing The following shall be added to TI BOQ:-	
	The BOQ decription11kV Auto Recloser in Feeder Bay complete with	In ALL 33/11kV S/S - 11kV VT's 7 No.(i.e 2 x 3ph & 1 x 1ph)	
	By-pass Air Break Switch (1), Isolating Links (6)	pres and in the State of the second	
	Could the drawing, the BOQ and description be harmonised	of the same ones the arm on the	
3	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	For the 7.5MVA & 2.5MVA S/S - Control & Relay Panel for the Transformer Bay. Control panel for the 11kV fdrs (Aut Reclosures) 3. Metering panel for 33kV & 11kV Circuits. Check the BOQ. The Control panels shall not have BCU's but Mimic Diagram with Discrepancy switches and Measuring Instruments for all the 11kv Bays.	
	The project is CIP or DDP Base. In the ITB 17.5(a) the bid is base on DDP to Defined Location in	DDP to Defined Locations in Late as	
4	Lot, but in the GC 14.2 state the Employer will bear	per BDS	
	All customs and import duties for the plant specified in Price Schedules No. 1.	station of the popular	
	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.	Contractor shall bear all Taxes, Duties and Levies including VA Bidder to consult their Tax Expe on applicable Taxes in the Count	
5	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.		
	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?	per i I I successi e de la company de la com	



6	Kenya) portion will be levied in Kenya or not?	D'II CO LA CE E
	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 ITB10.1state that any translation shall be done by an Authorized Institution.	ar I had egoed of the technique for
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?	
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	See revised Section III, attached to
	signed by both parties for: a) Civil subcontractors b. Electrical Subcontractors	erans, officert and Ottombo (NEC. support of solvations & Search Interpretation (Nettern
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
	Section III. Evaluation and Qualification Criteria- Without Prequalification	a estimate Numerica allegations
12	International bidders shall nominate locally owned civil and electrical installation subcontractors. The local contactor 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
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,	See revised Section III, attached to the clarification
15	Annual Section (Section Control of Section (Section of Section Control	Contract payment for local Civil and Electrical subcontracros shall be assigned by the main contractor. Payment for assigned amounts shall
	will pay to the main contractor or directly pay to local sub-	thus be paid to subcontraors when progress have been verified by Mian contractor and Employer.
	Altitude for insulation coordination:	
10		All designs for installation at 2200m above sea level
1/		All designs for installation at 2200m above sea level

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.	No, do not supply capacitor banks.
21	Please kindly clarify, do we need to supply 11kV capacitor bank or not. If required, please inform the detail requirement of the capacitor bank.	Just spare panels
1	For substation extension	o policiale Silvi de promo etan Ways
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 late
	MV power cable	ere anno de maria en la companya de
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 thi cable or any other size
	66kV Line protection	The state of the s
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 , Mt Kenya and West Kenya use 31mm/kV



	Overhead lines		
29	Poles 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	scal of torsuper process (S.S.S. autour)	
30	Please kindly specify the lightning protection angle requirement of overhead lines.	Bidders Responsibility, Detailed Design	
	Strand conductor	Security of the State of the St	
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 your 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	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 Criteria1.1 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 attched.	
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	
12	Please provide network layout clarifying the distances between substations	Bidders to access sites during site Survey for their prefered LOT.	
13	Please provide fiber cable interfaces at each terminal	Bidder to clarify what is meant by "fiber cable interfaces at each terminal"	
14	Please provide the required coverage area concerning VHF scope	VHF power output as per Specifications. THE KENYA POWER SPECIFICATION COMPANY OF THE KENYA POWER SPECIFICATION OF THE KENYA POWER S	

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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	Ses Addendum 2
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
	Please provide the Guaranteed technical particulars for the following equipment;	
	· Surge arrestors	Attached
	· Isolators	Attached
48	· Air break switches	Attached
	· Insulators	Attached
	· Auto reclosure	Attached
	· Switchboard panels	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	THE PARTY OF THE P
	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 bidde

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58	can list of tools and brand name be provided (as price of tools depended on the brand) -ltem 4.1.2.4 can list of spares and tools required be provided	See attached specifications 4.1.6	
59	Can detailed signal lit be provided so that he correct devices with adequate I/O be provided	Detailled 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 schematicetc. kindly confirm if there are other drawings to be issued for this project.	Detailed design drawings are the reponsibility 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 bidded 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		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	clarify for us where the ADSS will be installed given that its length is substantial in both Sosiat and Mosocho.	new station with fibre, ADSS will be installed on existing lines to reach the	
70	In Vigumu gouth C/C was have two 22lm lines in VCMC 201	source station, where fibre already exists.	
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	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 THE KENYA I LIGHTING COM	

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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; comfirm autoreloase relays do not need communication by IEC 61850 as there is no automation for feeders	See above response

84	Current capacity (kA2sec) etc.	OPGW is used as the line's earth wire
	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	Yes.
	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	other of 1 (1.2) to be of the other o
	capacity of 23MVA. Q: Please clarify a high voltage (110/35KV or110/11KV) Similar project experience is acceptable or not? 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	Only USD and KES
87	If there is a certain requirement for proportion of Kenya Shilling	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	None, outdoor
89	kindly clarify. 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.	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	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 Cadmiun type for both 110V and	Nickel Cadmium acceptable

Refer to TS 4.1.2.1.2.1 (page 72). The functions can also be combined in one combined with protection and control f	unit. The BCU can be	Separate protection panel	
	September of the pr		
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94	Q: Please kindly clarify the BCU located in the MV switchgear Panel or located in one separately Protection panel?	of ASSept SALALAS tened	
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 specifiation	
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. accuracy class 5P20 can meet the C1 requirement of biased	Refer to Specs	
103	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 diconnector is required but not listed in BOQ. Is the 66kV bus section disconnector required, please kindly clarify.	Include in scope of supply and in BO	
	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.		

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/manufacturer 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 10 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 Sec. 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	OUTDOOR
	type?	See 4.1.1.10.9 and Design of Bidder
	b) Rated ratio?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 See Project Specific Data for Design
115	e) Thermal short-time current (? kA/ 1sec) There are not enough specific technical details for power transformers in the bidding documents and we need to know the followings at least:	Data See Particular Technical Specifications-Transformers
116	1D) Tab changer type?	See Particular Technical Specifications-Transformers



	There are total five no. of substations in Kenya West Region Lot3: KIBEBETIET, ALDAI, MOLO, NYAMIRA and KITARU;	comment and 8.5 t.C.1.6.71 at nice t part drive greatment are of the of the
117	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-ling 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 Arreseter 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 mm2 conductors bare or covered with PVC?	BARE
125	We refer to your tender No. KP1/12A-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 schematicetc	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 swith 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		Attatched.
129	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

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134	We understand that contracter is responsible for the clearance of order to clear the material duty free. Demmurage & additional timematerial at port. Howevere 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 respons 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
139	Specific experience 2.4.2 all Lots, Please confirm whether higher rating substations and lines with higher transformer capacity will be considered.	Yes
	For estimation of various Lot / Lumsum items of price schedule following drawings / documents are required. Kindly provide the same	
140	i) Plot area to be considered for 1 x 7.5MVA, 33/11 kV outdoor substation. (which include space for 1 no. 33kV Bus, 1 no. 33kV Transformer bay, 1 no. 11kV Transformer bay, 1 no. 11kV Bus, 4 no. 11kV Outgoing Feeder bay, 1 no. station transformer bay, Provision for future bay, control room building & other amenities etc.)	Bidders were shown the sites. During detailled design all equipment shall be included, orienation will vary from site to site.
	ii) Typical Electrical layout plan & Electrical layout section	Bidder to designaccording to specifications.
141	For west Kenya region Creepage Distance of 25mm/kV is given. We presume that all the new 33/11kV Substations & their associate lines (i.e. Endebess, Mobin, Kapsowar, Sirisia & Ortum) in West Kenya region shall have creepage of 25mm/kV please confirm.	Creepage for all regions specified in clarification.
142	"33 kV Bay and Busbar Material" is mentioned for 33kV feeder bay of remote station. Please confirm that space to accommodate 33kV Bay is available at existing 33kV busbar of remote station. Also confirm whether 33kV bus at remote station need extension of bus to accommodate this feeder.	Space avaiable. Materisl for extension to be included by bidder in scope of supply.
143	"Incomer Line Source Equipment" is mentioned as lot. However it is seen that 33kVmain equipment of incomer (i.e. 33kV Isolator with E/s & 33kV LA) are already covered against (item no EDBS -004 & 009, MOBN-004 & 009, KPSW-004 & 009, SIRS -005 & 010 and ORT-004 & 009 respectively). Hence we presume that these main equipment's shall not considered against this lot item. however clamps, connectors, conductor, earthing material etc. shall be covered against this lot item. Please confirm.	Items listed in the BQs shall not be included in the LOT item.
144	kindly provide typical drawing of 33kV & 11kV over head line along with OPGW cable arrangement on concrete pole. This is required for estimation of various Lot / Lumsum items of price schedule of 33kV & 11kV over head line on concrete pole	This is part of detailled design by contractor.

145	As per ITB 23.1, the deadline for the submission is 29th September 2014 whereas in ITB 26.1, the bid opening is mentioned as 27th September 2014.	r See Addendum 2 on Bid opening dates
147	In the Price Schedule No.1, each 66 kV substation requires one piece of incomer line source equipment . Please kindly provide the detailed scope of works for the incomer line. Is it a complete 66KV bay (including civil & erection works) or only gantry connection work?	Complete Civil and erection works included in the scope
148	In the Price schedule of No.1, the 66kv and 11kv OH line unit is specified only Lot/KM, in order to exactly calculate the conductor total length, please kindly confirm the unit of Lot/KM is intend for route.KM or conductor KM?	Route
149	The total length of 66KV OH lines in the price schedule is not consistent with that in the BOQ. The total length of five section 66KV line in the price schedule is 80 km (20+10+15+15+20). However, the length in BOQ is 66 km (20+15+20+5+6). Please kindly clarify your required 66KV OH line quantity.	Use price in BQ. Rates quoted shall be used in case of length variations
150	In the Price Schedule No.1, only Mwihoko substation is required with 8 pieces of 66 kV DSs. However, 6 pieces of 66 kV DSs are required for all other substations, which are not consistent with the quantity of 6 in the SLD. Please kindly clarify.	Use quantities in BQ
151	The tender document does not specify the dimension of substation fence. Please kindly provide the perimeter of each substation fence wall. If the perimeter can not provide right now, can we assume all the substation sizes are 80M*70M?	The plots are 1 acre in size. In case of variations, the rates quoted by bidders shall be used.
152	In the Price Schedule No. 4 - installation and other services. Please kindly clarify whether the mentioned "other services" refer to FAT, Training, etc.	FAT and Training are itimized in the B
153	Please kindly clarify how many spare 66 KV bay spaces shall be reserved for the substation.	Quote the no of bays in the BQ.
154	Referring to Item NRB-014 "transport service to site for project manager", in the Price Schedule No. 4, If one vehicle is required throughout the project, please kindly clarify whether ownership of such a vehicle shall be transferred to the employer upon project completion. Please provide the specifications for the vehicle if applicable.	Ownership shall not be transferred to employer. A 4x4 type which will reach the sites is recommeded.
155	In your clarification reply No.1 item 3 states that for the 7.5MVA & 2.5MVA SS 11KV feeders control panel shall not have the BCU's, Please clarify whether the 11KV panel shall have the BCU's for the A36A 66KV SS.	11 kV panels shall have BCUs capable of fulfilling requirements in the specifications.
156	The Price Schedule No.1 mentions the 11KV cable termination sets for 800 mm ² cables. However, the tender specifies the cable	630 mm2 cables
157	llinks shall be configured to have connection to both Regional and I	66 kV stations shall be connected to the regional control cetres only.
158	In 4.1.6.8., the VHF 2-Way Base Radio is mentioned, but it is not listed in the Price Schedule. Please kindly clarify whether the VHF 2-Way Base Radio shall be provided or not.	Include in scope of supply
159	The state of the s	All areas shall be categorized as high pollution

In 4.2.23 Mandatory Spare Parts and Tools, Item no. TS-003 - Secondary Test Set is required. Please kindly clarify what kinds of test equipment must be supplied. Shall the relay injection tester be supplied?	Secondary Injection Set which shall be approved by the PM
Please kindly clarify the tubular type of bus bars design for 66KV is acceptable.	Also acceptable
Site plan for the 66/11kV new Substation at KISERIAN, KITENGELA, MWIHOKO, UMOJA, KANGUNDO	the production of the Land
As already requested in our Clarification No.1 dated 01.09.2014, we would once again request you to furnish the overall site plan with the dimensions of the property boundary for each of the above new Substations.	During site visits bidders were shown sites for substations. Detailld site plans shall be availled during detailled design phase.
Please also inform us the total quantity of the fencing and also the total quantity of the compound wall required for each of the above new Substations. The above details are very much essential to estimate and submit our offer accordingly.	See earlier response
The direction of the new incoming line to the above new Substation shall be marked in the site plan for our better understanding.	Bidders were shown the sites during the visits.
66kV lines We understand during the site visit, KPLC indicated there will be two 66kV line incoming line bays at each of the Substations. Further KPLC informed there will be only one 66kV line constructed under the present scope and the other line bay will be spare. Please confirm.	2 Line incomers bays shall be commissioned irrespective of no. of lines to be terminated.
Control and Protection panels Price Schedule No.1 calls for separate protection panels and separate control panels for 66kV lines and Transformers. As per the present practice and with bay control unit, we suggest for combined common control and protection panel for each line / each transformer, which will be cost effective, convenient for O&M, besides lesser space requirement in the control room. Kindly confirm. Price Schedules shall be revised suitably.	Quote as per BQ. 11 kV one control panel and one metering panel.
11kV Indoor switchgear We observe the 11kV Transformer control breaker is not covered in the Price Schedule No.1. The above may please be included in the Price Schedules and revised Price Schedule shall be issued to	Include 2 No.
Telecommunication Please confirm us the make, type, model and existing telecommunication system in the remote end Substations. Please also confirm the actual type of telecommunication system required	Drawing of Telecommunications layout for all existing stations included in drawings. New Telecommunications solutions part of bidders proposal.
Type of 110V Battery Please confirm the actual type of battery required namely lead acid or nickel cadmium.	See earlier response
As already requested in our Clarification No.1 dated 01.09.2014, we would onceagain request you to furnish the following urgently	During site visits bidders were shown source substations. Detailled SLDs of shall be availled during detailled design phase.
	Secondary Test Set is required. Please kindly clarify what kinds of test equipment must be supplied. Shall the relay injection tester be supplied? Please kindly clarify the tubular type of bus bars design for 66KV is acceptable. Site plan for the 66/11kV new Substation at KISERIAN, KITENGELA, MWIHOKO, UMOJA, KANGUNDO As already requested in our Clarification No.1 dated 01.09.2014, we would once again request you to furnish the overall site plan with the dimensions of the property boundary for each of the above new Substations. Please also inform us the total quantity of the fencing and also the total quantity of the compound wall required for each of the above new Substations. The above details are very much essential to estimate and submit our offer accordingly. The direction of the new incoming line to the above new Substation shall be marked in the site plan for our better understanding. 66kV lines We understand during the site visit, KPLC indicated there will be two 66kV line incoming line bays at each of the Substations. Further KPLC informed there will be only one 66kV line constructed under the present scope and the other line bay will be spare. Please confirm. Control and Protection panels Price Schedule No.1 calls for separate protection panels and separate control panels for 66kV lines and Transformers. As per the present practice and with bay control unit, we suggest for combined common control and protection panel for each line / each transformer, which will be cost effective, convenient for O&M, besides lesser space requirement in the control room. Kindly confirm. Price Schedules shall be revised suitably. 11kV Indoor switchgear We observe the 11kV Transformer control breaker is not covered in the Price Schedules and revised Price Schedule shall be issued to us. Telecommunication Please confirm us the make, type, model and existing telecommunication system in the remote end Substations. Please also confirm the actual type of battery required namely lead acid or nickel cadmium. Detail



172	 Single Line Diagram & Layout of existing substation with all new equipment covered under present scope indicated. '- Type of existing 66kV bus viz. Al tube or conductor. '- Any extension of existing 66kV bus required. '- Availability of gantry for new 66kV line? '- Availability of space in the existing control room for erecting new control & protection panel. 	During site visits bidders were shown source substations. Detailled SLDs of shall be availled during detailled design phase.
173	We would also request you to furnish the break up of the equipment required at remote end substation so that all the bidders can submit their offer on the common basis.	During site visits bidders were shown source substations. Detailled SLDs of shall be availled during detailled design phase.
174	Earthing (a) Page VI - 2-11 under clause 2.7.4, it is stated "for details of earthing refer to clause no.4.1.2.7". The above details are not available. Please provide us the details.	Refer to Response No. 176
175	 (b) Further please furnish the following for earthing design: Soil resistivity for all the SS covered under Tender No.A36A Earthfault current and duration of earthfault for earthing design [The above will be normally lower than the symmetrical fault current viz.31.5 KA (for 66kV) and 25KA (for 11kV)] 	For bidding purposes use fault currents in the specifications.
176	(c) Specification clause no.4.1.2.9.1 (page no.VI-4.1.2-53) Suggest to consider 2500 ohm - metres of earth resistivity for bidding pruposes. The above earth resistivity value is very high and may be for a site with hard rock. Please inform us the actual value of earth resistivity for all the new substations under tender no.A36A, which will help us to design the earthing system and submit our competitive offer.	Use 2500 ohm
177	(d) We observe the size of copper conductor of 95 sq.mm and also 150 sq.mm are stated under clause no.4.1.2.9.4 and 4.1.2.9.5 (page no.VI.4.1.2-55) respectively. Kindly clarify the above discrepancy.	The specifications is clear on where 95 and 150 is used.
178	Please advice if transformer capacity specifued under Specific experience 4.2.2, that under this clause pertain to transformer capacity of substation or for a single transformer. If a bidder will qualify if he has successful reference of a 66/11 substation where he has designed supplied and installed a 2 transformers with total capacity of 23 MVa i.e Tx 1 10 MVa and Tx 2 13 MVA).	Requirement is transformer capacity. See also earlier response on higher capacity not lower, thus does not qualify on this category, but may qualify for 7.5 MVA
179	In the bidding document of A36C/2, the name of the project is Lot 2-Design, Supply Installaton and Commissioning of Substations and Medium Voltage Lines (Endebess, Kapsowar, Moiben and Sirisia). But we found a place named "Ortum" missed from the detailed list. So, please kindly clarify that we should add "Ortum" into the name of the project or not, which may affect bidding security issuing.	Bid data sheet updated to include ortum. Please note that the scope and price schedules have inccluded the substation.
180	66kV line constructed under the present scope and the other line	The lines to be constructed will depend on the scope of works for the 66kV lines. i.e if only one 66kV line comin; then line terminated to one line bay. But if breaking into existing line i.e in/out arrangement; then lines terminated on both line bays.
181	We presume Energy metering system to be considered only for the incomer of 66kV line feeder for all the newly proposed substations. Please confirm.	Energy meters shall be provided for all incomers and 11 kV feeders
182	MV Power Cables between indoor Switchgear & the line termination tower is mentioned in Schedules of rates & prices as 2000m. Kindy clarify whether each outgoing feeder from 11kV panel requires a cable length of 2000m (or) the total cable length which is required for all feeders is 2000m.	It is total cable lengthe Kenya Powe LIGHTING COMPANY P. O. Box 30099-0

183	In 4.2.23 Mandatory Spare Parts and Tools, Item no. TS-003 - Secondary Test Set is required. Please kindly clarify what kinds of test equipment must be supplied. Shall the relay injection tester be supplied?	Secondary Injection Set which shall b approved by the PM
184	Please kindly clarify the tubular type of bus bars design for 66KV is acceptable.	Bus bar tubes are acceptable.
185	n given technical specification, vector group for 7.5MVA Transformer is given as Dyn11. Whereas in given SLD, for same	Transformers in Coastal region- shall be of vector group: Ynynd1 (with stabilizing winding).
186		Transformers in Nairobi region- shall be of vector group: Dyn1
187	Please clarify	Transformers in Mt Kenya region - shall be of vector group: Dyn1
188	and it has a state of most most and many transfer and most an extensive and most and most an extensive and most an extensive and most and	Transformers in West Kenya region shall be of vector group: Dyn11
189	We presume that 33kV Isolator is of "Double break type". Please confirm.	Yes
190	Please clarify whether the isolator and earth switch are individual pole operated or gang operated.	Individual
191	We presume that motor is of "AC" type. Please confirm.	DC
192	We presume that earth switch is not "AC" motor operated. Please confirm.	Earth switch is not Mororised
193	Please specify the cantilever strength for 33 & 11kV post and stringing insulator.	Detailled design for approval by PM
194	Power cables are not included in the given BOQ. Please clarify.	11 kV power cable 2000m per stations to be added to the BG for West Kenya Lot 1,2 and 3
195	Please provide the soil investigation report & Resistivity report for all 5 substations for above subject tender if available.	Report not available.
196	Way leave compensation We presume that the way leave compensation including tree cuttings, land acquisition, bush clearing, crop compensation etc, will be the responsibility of the employer. Please clarify	Wayleave acquisition is employers responsibility. Site clearance is responsibility of contractor.
197	We request you to please issue us the key map plan showing the route of the lines and route indicating the road crossing, other lines crossing, turning point etc, so that we can estimate the required bill of material and submit our offer accordingly.	Survey for lines is in scope of contractor.
198	We request you to please issue us the key map plan showing the route of the lines and cables indicating the road crossing, other lines crossing, turning point etc, so that we can estimate the required bill of material and submit our offer accordingly.	Survey for lines and cables is in scope of contractor.
199	The specification provides for both wooden poles and concrete poles for 66kV and 11kV Lines; please clarify that it is the contractors option to build the lines either on the Wooden Poles or Concrete Poles.	Concrete poles only
200	On 11 kV SAS what measurand will be sent from SAS?	P, Q, I & V
201	What is the load breaking capacity of Air break SwitchesDisconnectors?	ABS and Disconnectors are not load breaking switches.

	Bay Extension at the Line originating sub station Request to confirm the following. • Availability of Earth mat in the proposed bay and only tapping	22. Marchiner Square Peris and Landing States and L
202	from main earth grid to equipment support structure and equipments need to be done in this scope of work. • Existing automation system details. make and protocol • Existing telecommunication system details. Make, Panel model no. and protocol. • Make of Control & Protection panel. • Type of existing bus bar and equipment i nterconnection	Earth matt available, Telecommunications drawings showing equipment in all existing stations part of drawings in the bid,
	Based on the attached single line diagram (SLD) there is no	
203	mentioning of the 11kV spare feeders or 11kV capacitor bank feeders, but the same is mentioned in the attached price schedule, kindly clarify if you need spare and capacitor feeders or not or which one we have to follow the SLD or price schedule. Refer to the attached	The incomer Bays shall have CBs. For West Kenya add 2 No. CBs.
204	As per our understanding, in each substation we have to install new 66kV bay at remote end substation, so kindly clarify if we have to provide the following with the new 66kV bay or its	paint the state of
	already exists. Ø Protection panel.	Scope shall include, protection panel, RTU extension and Civil works
	Ø Control panel.	
	Ø Modifications in the existing (RTU, AC and DC panels, civil works,).	
205	11kV Aux Trafo Feeder has been shown with Expulision fuse in SLD. In SOW, Clasue no. 4.2.5.3. Aux. Trafo Bay - 1 Set of Expulsion Fuse is specified, which is under 'Outdoor Switchgear' type. However, we are presuming that, 11kV Switchgear is of Indoor type as per Price Schedules (KISE-030). Kinldy Confirm.	11 kV Board is indoor
206	In the BOQ the quantity of item KDM-201 indicates 42 km, but the SOW is 30 Km, Please clarify	Quote for 30 km.
207	In Kisumu south S/S, we have two 33kv lines i.e KSMS-201 10kmtrs and KSMS-206 10kmtrs whereas the OPGW is 10kmts. Kindly confirm that only one of the lines will have OPGW	Only one line 10 km required
208	The length and routing profile (profile) of each OHTL from each substation to its remote end is not mentiond	Bidders design responsibility
209	is there any vendor list?	Bidders to indentify qualified vendors
210	Regarding indoor switchgear, considering clause 3.1.1 from Volume II, for 11kV system STC rating is 25kA, while the Data sheet sent for the indoor switchgear asked for STC as 31.5kA, request to clarify the same	Use Design Data
211	Item KISE-032R is a complete bay with all equipment, control panel	Complete bay with all equipment
212	The conductor for earthing system is copper or iron with copper coating?	Copper
213	which manufacturer for relay is acceptable?	Bidders responsibility
214	The structures are from lattice or steel? Mechanical and electrical ground resistivity is needed for substation and power transmission line.	Bidders responsibility Bidders responsibility being part of design.
216	The specs says no redundancy for less than 23 MVA The scope required 2 gateways clause 4.2.10.1.1 What should we follow	One gateway for less than 23 MVA substation but must have capacity to communicate with two front end computers at RCCs.



217	Busbar protection Specification clause no.4.2.4.3 of scope of work (page no.136) specifies Busbar protection and control for all 66kN Busbar. Please clarify whether Busbar protection is required and if so the Price Schedule may please be revised accordingly.	/ Bus bar protection required for 66 kV Add to scope of supply.
218	66kV motorized Isolators without earth switch	
219	We note from the Price Schedules of different substations quantity of 6 nos., 4 nos. are indicated as against 7 nos. of Isolators based on the Single Line Diagram issued to us and also the scope of work. Please confirm. The Price Schedules shall be revised accordingly.	Quote for 7 No.
220	Please provide GTPs for 23 MVA transformers	Attached.
221	In Specification, for 66kV Transformer Bays one earth switch is mentioned whereas the same is not Shown in the Single line diagram & Schedule of rates & price. Please clarify.	add to scope of supply
222	Please confirm the location of National control center (NCC) & Regional control center (RCC) & also define our scope of work in NCC & RCC for all the substations.	NCC and RCC Nairobi are at Juja rd 132/66/11 kV substation, RCC Coast at Rabai, RCC Mt Kenya at Kiganjo and RCC Westrn at Lessos. Scope at NCC/RCC shall include all works and materials required to integrate the subsations to the KPLC SCADA and Telecommunication systems.
223	We Presume that the Telecommunication is already available along with the required Multiplexer in the Existing substations. Please confirm.	Telecommunication drawing showing existing infrastructure already given as part of the drawings. Required extension to cater for bidders proposed solution part of scope of supply.
224	What is the make of SCADA in Regional SCADA system & National SCADA system. We Presume that necessary provisions are already available in the existing substation.	Network Manager rel 3.8. Included in BQs is required works and materials for source station scope.
225	We Presume that the Line gantry tower is already existing in the 132/66kV Ruaraka substation. Please confirm.	No scope in project for Ruaraka 132/66 kV substation. Mwihoko will be Tee-off from existing Tana - Juja 66 kV lines as shown to bidders during site visit.
226	We Presume that the Line gantry tower is already existing in the 66/11kV EPZ substation. Please confirm.	EPZ substation shown to bidders during site visit.
227	The bid requires nomination of local subcontractors for both civil and electrical works who have done similar works before. Considering the few number of subcontractors in Kenya who have done smilar works we would request the procuring entity to remove this requirement.	Qualification criteria revised in clarification 1, to infrastructure project.
228	The tender requires that the local subcontractor to be allocated a maximum of 2 contracts at a time. Considering there are on average 5 substations per bid and very few Kenyan contractors who	ok. Provided thye have necessary capacity.
229	Attached with Clarifications are GTPs for power Tranformers and BDS for LOT 2 West Kenya and Revised Bid	

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