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StimaPlaza, Kolobot Road

Our Ref. KP1/6E.1/.PT/1/17/A01/JKG/eo

7th April, 2017

Dear Sir/ Madam

ADDENDUM NO.1 ~ TENDER NO. KP1/6E.1/.PT/1/17/A01 FOR PROCUREMENT OF PREPAID ENERGY METERS AND METERING ACCESSORIES ~ LAST MILE CONNECTIVITY PROJECT (LMCP)~II

1. RELATIONSHIP WITH THE PRINCIPAL TENDER DOCUMENT.

Save where expressly amended by the terms of this Addendum, the Principal Tender Document shall continue to be in full force and effect.

The provisions of this Addendum shall be deemed to have been incorporated in and shall be read as part of the Principal Tender Document.

2. CLARIFICATIONS TO TENDER

The following responses are made to clarifications sort on various issues in the Tender document for Procurement of Prepaid Energy Meters and Metering Accessories - Last Mile Connectivity Project -II (LMCP) and shall be deemed to form the addendum.

Item	Query by Bidders	KPLC Responses
1	We found your tender online regarding meter	The tender can be accessed in the e
	box and very interested in.	Kenya Powers website
	(Last Mile Connectivity Project II - Supply of	www.kplc.co.ke
	Prepaid Energy Meters and Metering	which faith a series of the fit of
	Accessories).	The tender number is
-0		KP1/6E.1/.PT/1/17/A01 For

Item	Query by Bidders	KPLC Responses
	We are 10 years meter box customize manufacturer in China looking for cooperation. Would you please send us the detail tender info?	Procurement of Prepaid Energy Meters and Metering Accessories - Last Mile Connectivity Project -II
2.	It was mentioned in the advertisement that the tender documents would be made available on the website. I cannot seem to locate the documents and the technical specifications. If possible, could you kindly mail these to me. Please also confirm whether payment needs to be made, and if so, how much, together with banking details	Refer to response No. 1 above. To access the Tender document. Yes, bidders shall be expected to pay for the tender document as detailed in the Specific Tender Notice on KPLCs website. Banking details are also available on the website
3.	We are interested to know more about this project so that it helps us to give you a competitive Bid. a. Total scope of the project b. Bidder's qualifying requirements c. Process for registration of new Bidders	 a) The tender is an International Competitive Bid which is open to Eligible bidders as described in the Bidding Document Section 1 on Eligibility of bidders, goods and Services and Section V on Eligible countries. b) Bidders qualifying requirements are Section III - Evaluation Criteria and as may be required in the Tender document. c) All eligible bidders are free to participate.
4.	KP1/6E.1/PT/1/17/A01- LOT G1-G5 We hereby seek your clarification on the Fuse Link Cartridge 30A. HRC LV that you require. As Doc, No KP1/6C1713' TSP' 11/022, issue No 2; Rev No 1 Page 10 stales "It shall match with 32A Amp. Rating and size is "29mm length x 12.7 mm diameter". However, we are of the opinion that Fuse Link Cartridge 30A. HRC LV shall be installed into the DMC cut-out and thus the size should be 57±1 x22mm	The Fuse shall be used in standard DMC cut out. This shall comply with requirements of table 4.4.1 of KP1/6C.1/13/TSP/11/023 and table 2 of KP1/6C.1/13/tsp/11/022

Item	Query by Bidders	KPLC Responses
	Please confirm the size of "Fuse Link Cartridge 30A. HRC LV" and if it shall be used on the DMC Cut outs that have been advertised in the same tender document.	
5.	We would like to request some clarifications about the minimum experience requirements for the participants in the bidding process as a consortium or as an individual bidder. If it is possible, we also would like to know where we can find the bidding documents to analyse all the information of the project.	Refer to response No. 1 above. To access the Tender document. Information on minimum experience requirements is detailed under Section III Evaluation Criteria and as may be required in the Tender document.
6.	My enterprise is an authorised agent of a famous chinese smart meter manufacturer as well as it is focus on African market, is it available for us to participate the bidding?	Information on Eligibility of bidders is found in Eligible bidders as described in the Bidding Document Section 1 on Eligibility of bidders, goods and Services and Section V on Eligible countries.
7.	We downloaded a set of bidding documents from http://www.kplc.co.ke/, are these as same as the set of documents purchased on spot completely? (purchase at Stima Sacco Investment Plaza, 3rd Floor, Kolobot Road, Parklands, Nairobi, Kenya)	If the documents refer to the same bidding number, they are the same.
8.	We notice that submission of a sample of meter is a must, should the sample be submitted with the tender documents before deadline?	The sample shall be submitted together with the bidding document before or the time and date specified in the bidding document
9.	What is the payment currency exactly?	Bidders making payments in Kenya can make their payments in Kenya Shillings. Bidders making payments from overseas can make payments in USD using the Banking details provided Kenya Powers website detailed in Response 1.
10.	KP1/6E.1/PT/1/17/A01- LOT G1-G5 Please refer to the above tender on the Bill of Quantities on the Cut Out and Fuse links the qty is 314, 200pcs while on the delivery schedule	The correct quantities for both the cut out and Fuse Links is 314,200 as indicated in the Bill of quantities and Price Schedule.

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	the quantity is different it shows 628,400 pcs kindly clarify which quantity we should use	
11.	KP1/6E.1/PT/1/17/A01- LOT F Our understanding is that the SPN is a call for supply of pre-paid meter and it does not have the vending station / communication / installation scope – kindly confirm the same.	The SPN for Prepaid Meters covers supply of the meters only.
12.	Bidding Documents- Clause 1.7(2) (b)ii It is stated that the detail of supply contract shall include copies of contract award letters, and purchase Orders indicating quantity supplied under the contract and contract amount Question: Some of our contracts are only for one type of meter, it is too easy to release our commercial unit price if we show the contract amount, and our clients also not prefer to let us release the price to third party. We request to block the price in our contract. Will this be accepted?	Yes, you can show the value of the contract only
13.	KP1/6E.1/PT/1/17/A01- LOT F Please clarify if samples shall be required	Yes, Bidders shall be required to submit samples as per the Technical Specification of the bidding document
14.	KP1/6E.1/PT/1/17/A01- LOT F Technical Specifications Clause 4.2.17 The MCU body shall be ultrasonically sealed for life and there should be no screws on the MCU body except for the termination of cables. Question 1: Please clarify if the terminal cover shall be sealable with screw	Terminal cover screw shall be sealable with utility seals clause 4.2.1.13
	Clause 4.2.2.20 The UIU shall be able to communicate with MCU when power off via 2xAA battery. Question 2: The number of AA batteries for off power communication does not influence the communication function of the UIU. Can the	Type AAA or AA are acceptable so long as they are capable of powering the communication when power is off.

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	quantity and type of batteries differs be accepted, for example, 4xAAA batteries be accepted	
15.	KP1/6E.1/PT/1/17/A01- LOT G1-G5 The bidding document does not require sample, but in the technical specifications, sample is required Question: Are samples needed for lot G1-G5, If	Samples are not required
16.	yes, how many samples are needed KP1/6E.1/PT/1/17/A01- LOT G1-G5 In the Technical specification of the meter box, it is required that the thickness of the one meter position meter box is not less than 3mm, but that of the four meter positions meter box is only 1.5 mm. Question 1: What is the thickness requirement for the 4-meter position meter box?	The requirement is that the thickness should NOT be LESS than 1.5mm. Any thickness above 1.5mm is acceptable
	Technical Specification of 4 meter positions box We found that the specification for the 4-meter position meter box is released in 2010, and in the specification, it mentions that the voltage is 24oV, which is apparently not Kenya voltage. And in our clarification in question 1 above the thickness is only 1.5 mm, which is not suitable for a 4 meter positions box. Question 2: Will KPLC revise the Technical Specification of the 4 Meter Positions box	The specifications will not be revised
17.	KP1/6E.1/PT/1/17/A01- LOT G1-G5 We are aware that KPLC has latest specification on MCB that is released on march 2015 but in this tender the MCB specification is the old version Question: Will KPLC revised the MCB specification to the latest one	Refer to the revised Technical Specification attached as Appendix I

Item	Query by Bidders	KPLC Responses
18	Question: If the bidder intends to bid in more than one lot, for example LOT F and LOT G 1-G5, can the bidder open only one bid security that has the total amounts of all the lots?	Yes, Bidders can have one Bid security covering the Lots they are bidding for. They will be required to indicate the Lots the Bid Security covers.
19.	Request for Extension for Bid Submission	The tender closing date shall remain
	Date	the same as indicated in the Bidding
	XXI C. I.I	document.
	We found that some of the technical specifications are very old and not the latest	
	version of KPLC, and there are many items for	
	clarifications. The time for sample and tender	
	preparation is not enough.	
	We request for one month extension of the bid	
	submission	
	KP1/6E.1/PT/1/17/A01- LOT G1-G5	Refer to the revised Technical
19.		Specification attached as
	As per tender, Ref: Specification of miniature circuit breakers (for use in domestic /residential	Appendix I
	buildings and similar premises) Doc no.	
	KP1/3CB/TSP/11/010, Clause 2, reference	
	standard, the standards mentioned is IEC898	
	(which is applicable for the material under	
	scope of supply clause 1. Scope) to be used for	
	Domestic/Residential meters protection.	
	Question1: Please mention the latest standard	
	IEC 60898-1:2002. This MCB can be handled	
	by unskilled worker safely	
	There is also the reference to IEC 60947-2	
	which is for: Low Voltage Switchgear and Control gear – Part 2: Circuit breakers which	
	are primarily meant for higher ratings beyond	
	63A essentially for Industrial application and	
	not applicable to the scope of material.	

Item	Query by Bidders	KPLC Responses
	Kindly delete the same as it is superfluous and in contradiction. Moreover, this type circuit breaker can only be handled by skilled worker and poses a safety risk	
	Question 2: Should we refer to the clause 4.2 design and construction specifications this refers to IEC 898 standard mostly especially tripping curves	
	Question 3: Further referring to clause 4.2.22 the rated short circuit reference has been mentioned as per IEC 60947-2 which is in contradiction and lesser stringent test than scheme of testing for IEC 60898-1:2002 (Latest standard) for additional consumer safety.	
	Question 4: Test Reports Requirement However as per Clause 5.2 of same specification, the copy of type test reports to be submitted with tender shall include the tests in accordance with IEC 898 only and no mention of test reports complying to IEC 60947-2	
	Specifications in Immediate past tenders awarded/quoted We would like to highlight in immediate past tenders reference to standard was IEC 60898-1 • KP1/6E-2/PT/5/16/A51 Dated 21st October 2016 (Under same Kenya Electrification Funded Project) • KP1/9AA-3/PT/66/2105-17 Dated March 20415 (3 years supply contract) Note: there was no reference to IEC 60947-2 in specs of above tenders.	
	Accordingly, the clauses as per IEC 60898-1 to be corrected	
1	4.2.23 The power frequency withstand voltage of the MCB to be 2Kv rms. 4.2.24 The Impulse withstand voltage of the MCB to be 4kVp	

Item	Query by Bidders	KPLC Responses
	We would like to add that globally, the reference standard followed for miniature Circuit Breakers for domestic/ residential applications (meter protection) is IEC 60898-1:2002 (Latest standard of IEC 898). We would like KPLC to confirm on the above aspects on IEC standards and specifications.	
20.	The LV Cartridge 30A HRC specifications does not clarify what type of holder is required, Question 1: Please clarify whether these fuses will be fitted in the cut-outs?	The Fuse shall be used in standard cut out. This shall comply with requirements of table 4.4.1 of KP1/6C.1/13/TSP/11/023 and table 2 of KP1/6C.1/13/tsp/11/022
	Question 2: Please clarify the fuse rating specifically, the 30A rating seems very low for a house service cut-out.	
21.	KP1/6E.1/PT/1/17/A01- LOT G1	
	The degree of protection of the enclosure shall be at least IP65 when the top cover is secretly closed and sealed.	
	Question 1: May we provide a meter box with IP54 degree of protection as per meter pole top boxes we currently supply.	Response to Q 1: Comply to clause 3.1 of specifications
	Hinges: The top cover shall be made of polycarbonate and easily opened by means of a hinge between it and the main meter board base Question 2: May we provide a top slide cover?	Response to Q 2: Provide as per specification clause 11.1.3
	Size: The meter board shall measure 300mm (Height) x 240mm (width) x 180mm (Height) tope cover inclusive.	
	Question 3: May we provide a smaller box measuring 150 x 240 x 100mm which will be able to accommodate the single phase prepayment split meter, the	Response to Q 3: Provide as per specification clause 12.2 and fig 2

Item	Query by Bidders	KPLC Responses
	circuit breaker, 4 glands, 4way copper neutral block & the Metal Oxide Varistor	
	Sample: A sample of the meter board being offered shall be submitted together with the tender documents. This sample shall not be returned to the tenderer. Question 4: Please confirm if we should submit a sample. The BDS does not state if a sample of any of the LOTS should be submitted	Response to Q 4: Sample is not required
	Mounting Bracket: A galvanized/electro plated steel mounting bracket shall be provided behind the meter board to assist in Question 5: May we provide a mounting bracket which is part of the box and also the	Response to Q 5: Provide as per specification clause 5.3.4
	bracket which is part of the box and also the same material as the box?	
22.	KP1/6E.1/PT/1/17/A01- LOT G1- Specification for Mounted Meter Boards (4 Meters)	Sample not required
	Sample: A sample of the meter board being offered shall be submitted together with the tender documents. This sample shall not be returned to the tenderer.	
	Question 1: Please confirm if we should submit a sample. The BDS does not state if a sample of any of the LOTS should be submitted.	
	Mounting Bracket: galvanized/electro plated steel mounting bracket shall be provided behind the meter board to assist in securing the meter board on the pole.	
	Question 2: May we provide a mounting bracket which is part of the box and also the same material as the box?	Provide as per specification clause 5.3.4

Item	Query by Bidders	KPLC Responses
23.	KP1/6E.1/PT/1/17/A01- LOT G2- Miniature	Refer to the revised Technical
	Circuit Breaker	Specification attached as
		Appendix I
	IEC Standard: Short circuit (KA) rating of	
	6KA	
	mentioned on clause 4.22 is not relevant	
	to the item on list of goods and related	
	services. The item procured is 63A and	
	the standard IEC60497-2 is for MCBs	
	higher than 63A.	
	Question 1: Kindly confirm which IEC	
	•	
	standard to follow with respect to items	
	procured	
	Test Reports: as per clause 5.2 of same	
	specification, the copy of type test reports to be	
	submitted with tender shall include the	
	tests in accordance with IEC 898 only	
	and no mention of test reports	
	complying to IEC 60947-2.	
	Question 2: Kindly confirm the test reports	
	should be done as per which standard.	
	-	
	Note: We would like to add here that globally,	
	the reference standard followed for Miniature	
	Circuit Breakers for domestic/ residential	
	applications (meter protection) is IEC60898- 1:2002 (Latest standard of IEC 898) and thus	
	standard IEC60947-2 NOT APPLICABLE to	
	goods being procured (63A MCB).	
	be and broading (out the b).	
	Sample: Sample MCB being offered shall be	
	submitted with the Bid at no cost to	
	KPLC as per specification.	
	Question 3: Please confirm if we should submit	
	a sample. The BDS does not state if a	
	sample of any of the LOTS should be	
	submitted.	
24.	KP1/6E.1/PT/1/17/A01 - LOT G4: Cut-out	Yes, Bidders are required to submit
	service 1P+N 60/80A (double) and	the samples as required in the
	Fuse-Link Cartridge 30A HRC LV	Technical Specifications.
	Specification: KP1/6C.1/13/TSP/11/023	1

Item	Query by Bidders	KPLC Responses
	Sample: Please confirm if we should submit a sample. The BDS does not state if a sample of any of the LOTS should be submitted.	
25.	As per Tender Clause ITB 11.1(h), If Bidder is not a manufacturer, they shall demonstarte that they have successfully completed at least four (4) contracts of similar goods in the past five (5) years	Refer to the Eligibility criteria outlined in the bidding documents Bidding Document Section 1 on Eligibility of bidders, goods and Services and Section V on Eligible countries.
	Question: Please clarify whether our organisation which is an International Trading Company of the Government of India wishing to participate as JVCA where the JV members / partners shall meet the eligibility criteria but not our organisation can take part in this arrangement.	
26.	KP1/6E.1/PT/1/17/A01- LOT G2- Miniature Circuit Breaker As per Tender Specification of Miniature Circuit Breakers (for use in domestic/residential buildings and similar premises) Doc no. KP1/3CB/TSP/11/010, clause 2, reference standard, the standards mentioned is IEC 898 (which is applicable for the material under scope of supply clause 1. Scope) to be used for Domestic/Residential meters protection. Question 1: Please mention the latest standard IEC 60898-1:2002. The MCB can be handled by unskilled worker safely.	Refer to the revised Technical Specification attached as Appendix I
27.	Question 2: There is also reference to IEC 60947-2 which is for Low Voltage Switchgear and Control gear- part 2: Circuit breakers which are primarily meant for higher ratings beyond 63A essentially for industrial application and not applicable to the scope of material.	Refer to the revised Technical Specification attached as Appendix I

Item	Query by Bidders	KPLC Responses
	Note : Kindly delete the same as it is superfluous and in contradiction. Moreover, this type of circuit breaker can be handled by skilled worker and poses a safety risk	
	Question 3: Should we refer to the clause 4.2 design and construction specifications this refers to IEC 898 standard mostly especially tripping curves.	
	Question 4: Further referring to clause 4.2.22 the rated short circuit reference has been mentioned as per IEC 60947-2 which is in contradiction and lesser stringent test than scheme of testing for IEC 60898-1:2002 (Latest standard) for additional consumer safety.	
	Test Reports Requirements Question 5: As per clause 5.2 of same specifications, the copy of type test reports to be submitted with tender shall include the tests in accordance with IEC 898 only and no mention of test reports complying to IEC 60947-2.	
28	KP1/6E.1/PT/1/17/A01- LOT G1- Specification for Mounted Meter Boards (4 Meters)	Response to Question 1: Samples are not required
	Question 1: If samples are required, we will need to make mound for same and it will cost at least Rs. 20 Lacs (for two projects)	Response to Question 2: Refer to clause 7.1
	Question 2: We are also confused about exact material requirement of Pole Mounted Meter boards as in Clauses for material 11.2.1 and 11.2.2 Question 3: Thickness given for top and bottom of Pole Mounted Teeterboards is very less, i.e. 1.5 mm, it's not possible to manufacture such size box in 1.5 mm. Please clarify.	Response to Question 3: The requirement is that the thickness should NOT be LESS than 1.5mm. Thickness above 1.5mm is acceptable
29.	As mentioned in 4.2.2.1.7, the MCU shall be equipped with 100A relay both in Live and Neutral circuits, while in 6, it said the	Question 4: The latching contactor should be Double pole.

Item	Query by Bidders	KPLC Responses
	disconnection device type shall be single pole latching contactor. So, the question is: the single pole latching contactor shall be used both in Live and Neutral circuits or just in Live circuit? If both the Live and Neutral circuits need relay, can we use one double-pole relay to replace two single pole relays?	
30.	UNIVERSAL CLAMP / DUTY	
	We have some doubt in the Tenders technical specifications for Universal Clamp, Kindly confirm which drawing to follow as there are three design mentioned in the specification (page no. 12,13 and 14 of the specification for multipurpose overhead line clamps.	Response to Question 1: Refer to Technical Specification -Fig 1: TSP/02/004/01- Horizontal Section Clamp.
		Response to Question 2:
	Question 1: Please clarify the dimensions A and B are the measurement from the inner diameter or the outer diameter. If from the outer diameter as indicated from the specification, the clamp cannot fit at specified position on the pole.	Response to Question 3: Provide as per specification clauses 4.4.4 and 4.4.5
	Question 2: Please specify the correct	
	M20 x 89 Bolt with one nut, one lock nut, flat washer and spring washer (Both Side) cannot fit in the holes provided for the meter boxes and D -Iron for LV Installation.	All bolts shall be M16. If M20 they should be interchangeable with M16.
	Question 3: Please clarify the correct one lock nut, flat washer and spring washer (Both Side)? Or can they be changed to M16 x 80 with one lock nut, flat washer and spring washer (Both Side)?	
31.	As per tender clause 2.4.1 Experience, it has been given that "For Experience as supplier for KP1/6E.1/PT/1/17/01- Lot G2 at least USD.	Response: Experience shall be as indicated in the tender clause 2.4.1.
	2,400,000 in at least (3) contracts within the last	A bidder shall be expected to meet
	(5) years, each with a value of US \$ 2,400,000	the minimum criteria. Each of the

Item	Query by Bidders	KPLC Responses
	have been successfully and substantially	contract will be of the value
	completed and that are similar to the proposed	indicated.
	Goods and Related Services. The similarity	
	shall be based on the physical size, complexity,	
	methods/technology or other characteristics as	
	described in section IV, Bidding Forms.	
	Question: We need to ascertain whether any	
	supplier who doesn't have past supply of any	
	single order worth US \$ 2,400,000 for the same	
	product. However, the aggregated value of the	
	orders amounting to US \$ 2,400,000 towards	
	supply of various switchgears (RCCBs MCB	
	and Cut outs etc)	
32.	Kindly extend the closing date of the tender by	The Tender closing date shall remain
	another 15 days.	the same as indicated in the bidding
		document

All other terms and conditions remains as per the tender document.

Yours faithfully,

For: KENYA POWER & LIGHTING COMPANY LIMITED.

ENG. JOSEPH K. GATHURU,

ELECTRIFICATION PROJECT MANAGER.