



Kenya Power

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Our Ref: KP1/12A-2/PT/3/14/A35/TKK/jwm

25th June, 2014

Your Ref:

Dear Sir/ Madam

ADDENDUM 1 TO TENDER NO. KP1/12A-2/PT/3/14/A35 DESIGN, SUPPLY, INSTALLATION & COMMISSIONING OF 33KV GIS AT KIPEVU

The following amendments are made to the specified provisions of the Tender document for **Design, Supply, Installation and Commissioning of 33kV Gas Insulated Switchgear at Kipevu.**

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. Responses To Clarifications Sort By Bidders Are As Follows;

Item	Query by Bidders	KPLC Responses
1	<i>It is found "The tentative single-line diagrams, layout plans and sections for the various projects are shown on the drawings enclosed to the Tender Documents.", but we only can find the single-line diagram and it is vague not clear. So please kindly provide the clearly single line-diagrams, layout plans and sections for the KIPEVU substation</i>	KPLC will provide another SLD in soft copy. Please find attached.
2	<i>Please kindly provide the internal space and layout of the existing switchgear room.</i>	Soft copies of the drawings shall be sent to the bidders. The bidders were also required to collect from site as much information as they possibly could, to enable them carry out a detailed design.
3	<i>Please clarify the scope of civil work.</i>	Refer to Revised Bid document. Please find attached.
4	<i>Please kindly provide the exact position of the 132/33kV and 33/11kV transformer and mark on the drawings.</i>	Site visit details and soft copies of the civil drawings.

5	<i>Kindly clarify the type, length and laying mode of the cable which connected with 132/33kV transformer and 33kV Ring Main Unit, 33kV Ring Main Unit and 33kV outgoing line framework. If it has already existed the cable trench, then please provide the exact path diagram and clarify whether the cable trench need repair and reinforce?</i>	Site visit details and soft copies of the civil drawings. Cable trench design is in bidder's scope. A detailed drawing of the Cable Trench and the Transition Structure should be submitted by the Bidder.
6	<i>Please clarify that are the outgoing line frameworks of 33kV and 11kV in the scope of work? If yes, please provide the detailed requirements.</i>	Site visit details and soft copies of the civil drawings. Cable trench designs in bidders scope. Refer to Revised Bidding Forms.
7	<i>Please clarify the scope of earthing system in the BOQ</i>	Bidder to verify if additional earthing is required and design. Refer to Revised Bidding Forms.
8	<i>Please clarify the scope of work which needed to be dismantled and the mode of transportation.</i>	All existing equipment and materials shall be carefully dismantled (without causing further damage to equipment) and all parts transported to KPLC premises at Mbaraki Depot, Coast Region.
9	<i>Please provide the detailed extension scope of work for SCADA system.</i>	SCADA works shall be as described in 4.2.6.1.1. The Regional Control Centre coast is based at Rabai 220/132/33//11 kV substation. Scope includes all works at Kipevu and Rabai RCC>
10	<i>Kindly clarify the uploading data type and capacity in KIPEVU, indicate the path from KIPEVU to NCC and whether the existing telecommunication has spare capacity to upload the data.</i>	The Telecommunications Layout for Coast is attached. The MUX equipment (FOX 515) at Kipevu 33kV building is used by KPLC for corporate data requirements to Coast and shall thus be re-located by contractor to the old control building near the gate. Long outage of the equipment is not desirable. Once re-located KPLC shall re-commission the equipment, Contractor shall install new MUX as per BQ at the GIS building and integrate to existing system. 1000 mts of 48 core approach cable and 2 No. of ODF to be included in scope for reorganization of existing approach cables. Refer to Addendum 1 and Revised Bidding Forms
11.	<i>Please clarify whether the engineering vehicle should be provided. If yes, please provide the relevant requirements.</i>	Transport for the Project Manager for the project duration. Refer to Revised Bidding Forms.
12	<i>Please indicate the LV AC/DC power supply is use for the whole substation or just for the extension part.</i>	The scope of works covers AC and DC systems for the substation. Refer to Revised Bidding Forms

13	<i>It is found the "4.1.4 Contr A35-section VI SOW-substation" and "Sec 4- "Contr A35-Bidding Forms" are different, please kindly clarify which one is correct?</i>	Refer to Revised Bidding Forms
14.	<i>It is found the "Sec 4-Contr A35- Bidding Forms" and Sec 1 - Instructions to Bidders" are also different; please kindly clarify which one is correct?</i>	Refer to Revised Bidding Forms
15	<i>It is found in the price list the control and protection system of 33/11kV transformer is in our scope of work; please clarify whether the transformer and its foundation work are in the scope of work for this tender.</i>	The existing power transformers shall be used. Refer to Revised Bidding Forms
16	<i>Please confirm the quantity of 33kV and 11kV Surge Arrester is 50 pcs and 40pcs.</i>	OK. Refer to Revised Bidding Forms
17	<i>Please confirm whether it has special brand request for the protection equipment?</i>	No Special brand requests made. Follow technical specifications.
18	Switchgear building civil drawings not in document?	Soft copies of the drawings shall be sent to the bidders through the addresses on the registration list. The bidders were also asked to collect from site as much information as they possibly can, to enable them carry out a detailed design.
19	<i>The Single Line Diagram of Kipevu is not clear.</i>	KPLC will provide another SLD in soft copy and redistribute the same through the addresses on the registration list.
20	Bidders requested for substation fault levels.	Bidders told to use the Project Specific Data in document to carry out the design then the fault levels shall be used later in project implementation for equipment settings.
21	Details of cable connections from and to the power transformers.	Detailed Designs shall be submitted by the bidder.
22	Bidders requested for Overhead crane designs.	Bidders shall design and submit the crane system to be fitted.
23	Details of cable lengths and trench designs not in document.	Cable length details shall depend on the final designs to be adopted and therefore shall be provided by the bidder's designer. The cable trenches shall be independent for each power circuit with fire resistant separations and the bidder will submit designs. Bidders should submit detailed drawing of the cable trenches.
24	Switchgear building civil drawings not in document?	Soft copies of the drawings shall be sent to the bidders through the addresses on the registration list.

25	<i>The 11KV Switchboard is in the scope of works but not in the BOQ.</i>	Refer to Revised Bidding Forms
26	<i>The Power transformers are Not on the Bill of Quantities.</i>	OK. Existing Power transformers shall be used therefore not included in BOQ. Refer to Revised Bidding Forms
27	<i>The Single Line Diagram of Kipevu is not clear.</i>	KPLC will provide another SLD in soft copy
28	<i>It is found that the Rated short circuit withstand current for 3 sec in two tables are different. Please clarify which one is correct.</i>	Rated Short Circuit Breaking Current shall be: <ul style="list-style-type: none"> • 33kV Incomers and Bus Coupler modules = 31.5kA for 3 secs • 33kV Feeder modules = 31.5kA for 3 secs.

3. Revised Documents.

The following documents have been submitted and are attached herein:

- 1) Part 1, Section 4 - Bidding Forms (Revised_Addm1)
- 2) Part 2, Section 4 - Drawings Single Line Diagrams (Revised_Addm1)
- 3) Civil Drawings

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

Yours faithfully,

For: KENYA POWER & LIGHTING COMPANY LIMITED.

ENG. MICHAEL ADHIAMBO
DEPUTY MANAGER, PROJECTS