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Our ref: KP1/9A.1A/OT/010/17-18

10th May 2018

Your ref:

TO:

ALL PROSPECTIVE BIDDERS

RE: ADDENDUM NO.1 TO THE TENDER NO. KP1/9A.1A/OT/010/17-18 FOR SUPPLY, INSTALLATION, TRAINING AND COMMISSIONING OF FIXED TYPE TEST EQUIPMENT AT NAIROBI SOUTH STORES

Please refer to the above Tender.

Following the pre-bid meeting/ site visit held on 04th May 2018 at Nairobi South Stores, and upon enquiry from prospective bidders there at, and, at our own initiative, we make the following clarifications and amendments to the Principal Tender Document (*hereinafter abbreviated as the PTD*) for supply, installation, training and commissioning of fixed type test equipment at Nairobi South Stores of 26th April 2018.

1. RELATIONSHIP WITH THE PRINCIPAL TENDER DOCUMENT

Save where expressly amended by the terms of this Addendum, the PTD 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 and constructed as part of the PTD.

2. CLARIFICATIONS

Item No.	Item	Question/Comment by bidder
a	Transformer & AC Dielectric Test System	The Integrated transformer test system is able to carry out all the transformer tests fully as per the specification. For AC Dielectric tests, the transformer test system is able to do tests on cables and insulators up to a maximum of 500 mA at 100 kV, any current measurement higher than this requires another set of equipment specifically for AC Dielectric tests.

		Kindly confirm whether we can supply the two sets of the equipment i.e. the integrated Transformer test system and AC Dielectric test system in order to meet all your specifications or if we can only supply the integrated transformer test system as described above.
KPLC Response		Supply as per specification. Note that Tan Delta and partial discharge equipment will be procured separately. These tests are therefore not required for this current tender.
b	Transformer & AC Dielectric Test System	The manufacturer offers to supply Transformer & AC Dielectric Test System with software that operates in on Window 7 and performs all the required functions as required. Please confirm if acceptable.
KPLC Response		The requirement is for windows 10 as per Clause 4.2.1.6 (v) of tender specification
c	Transformer & AC Dielectric Test System	Will KPLC provide power cable or protection switches between the isolating transformer and the power supply.
KPLC Response		KPLC will provide cable connection to the nearby ground mounted 630 KVA transformer while the supplier shall provide switchgear and controls on the equipment for the incoming supply as per clause 4.2.41 and clause 4.2.4.2 of the tender specification
d	Transformer and AC Dielectric Test Systems;	REF: SPECIFICATION KP1-6C-4-1-TSP-10-104 Clause 4.2.1.4 (b) Please specify the exact equipment to be tested by the AC Dielectric Test Equipment as item no (Viii) Insulation Material Oil and Paper require two complete different equipment.
KPLC Response		The equipment to be tested are listed in 4.2.1.4 (b) including equipment with insulation made of oil & paper.
e	Transformer and AC Dielectric Test Systems;	REF: SPECIFICATION KP1-6C-4-1-TSP-10-104 Clause 4.2.1.4 (i) and (j) Are the Partial discharge and the Tan delta stand-alone equipment with operation software installed in the PC in or do they have to be integrated to the Transformer Test System?
KPLC Response		Tan Delta and partial discharge equipment will be procured separately. These tests are therefore not required for this tender.
f	Transformer and AC Dielectric Test Systems;	REF: SPECIFICATION KP1-6C-4-1-TSP-10-104 Clause 4.2.1.4 (c) and (k) Is the Reactive Power Compensation (c) required to supplement the 80A output of the motor-genset (k): That is between the two we can get the 80A testing capability or

		Complement it: Get Power compensation KVA parallel to the 80A motor-genset output to enhance the testing capability.
KPLC Response		In ensuring adequacy of the design as required by clause 1.5 the supplier shall ensure that the minimum rating of 80 A is observed and necessary reactive power compensation is provided
g	Transformer and AC Dielectric Test Systems;	REF: SPECIFICATION KP1-6C-4-1-TSP-10-104 Clause 4.2.1.6 v (v) Please provide the Printer specifications to be supplied with the desktop.
KPLC Response		Minimum colour printer for A4 size printing with a minimum resolution of 600 Dpi
h	Transformer and AC Dielectric Test Systems;	REF: SPECIFICATION KP1-6C-4-1-TSP-10-104 Clause 9.1.1 and 9.1.4 Can the FAT and training be carried out by the same team and concurrently, to avoid making two trips at separate dates and also taking so much time at the factory as this may be expensive.
KPLC Response		FAT and training at the factory will be carried out for the same KPLC Team.
i	Transformer and AC Dielectric Test Systems;	TENDER DOCUMENT PAGE 51 – DETAILED TECHNICAL EVALUATION Clause 7.2 Can the installation work be subcontracted by the supplier to a qualified subcontractor with the requisite qualifications and experience?
KPLC Response		The requirement for subcontractors is as per 7.1.15 and 7.2.6
j	Universal Testing Machine	Universal Tensile Testing Machine (Clause 4.2.7) Will KPLC accept a 100kN electromechanical or servo-hydraulic UTTM being supplied that caters for its needs comfortably.
KPLC Response		The requirement is for classes 0.5 Universal Testing Machine which shall be hydraulic type with 600KN capacity. As indicated in the specification, it shall be the responsibility of the supplier to ensure adequacy of the design, good engineering practice and adherence to the specifications standards, regulations as well as ensuring good workmanship.
k	Hardness testing machine	If the machine has an inbuilt panel computer and can connect to printer via LAN or WLAN connections, host MS applications and meet all the technical specifications, do we still need to supply a stand-alone computer?
KPLC Response		The hardness testing machine shall be supplied complete with computer as per clause 4.2.12.5 of tender specification.

l	Hardness testing machine	Is 1kva UPS for hardness machine use or the computer? If it is just the machine panel computer, do we still need the UPS?
KPLC Response		The UPS shall be adequate for complete set. UPS required as per specification
m	Hardness testing machine	For Knoop's test, we use small force loading, less than 1 Kg, the requirement of 600mm vertical height points to machine range with loads from 1 Kg / 9.8 N. For specimen loads less than 1kg the vertical height will be compromised to around 300mm. Therefore, it looks like the specifications point to two different machines because with height of 600mm the machine is too huge for loads of less than 1 Kg to be measured within the standards of Knoop's test and expected accuracy as per the technical specifications.
KPLC Response		Please refer to clause 4.41 where 600 mm is given as per the range of specimen sizes
n	Hardness testing machine	For height of 600 mm, this indicates object space of above 500 mm. This may need digging a hole on the floor. During the site visit, KPLC indicated 1st floor as the ideal space for the hardness tester. a) Can location be moved to ground floor? If "a" above is not acceptable, a raised platform would have to be made. Is this acceptable?
KPLC Response		The location is on 1 st Floor and the machine shall be complete with mounting (platform) as per tender requirements section vi(a)
o	Universal testing machine	a) For destructive force to be as recommended of the scale (20% to 80%), the 600kN universal machine cannot perform tensile tests on small force materials at the required class of 0.5 b) Universal testing machine does not have a torsion testing function to test the angle of twist in the strict terms. However, a Universal Testing System has.
KPLC Response		a) The requirement is for a system to cover the range of materials and loads up to 600KN b) Provide as per specification

P		<p>To achieve class 0.5, we need to have 2 In 1 system that classifies your materials into two categories depending on loads.</p> <ol style="list-style-type: none"> 1. Up to 200kN 2. Up to 600kN <p>Is it okay to propose a system that incorporates your range of loads and keeps class? 0.5 or it must be one single machine?</p>
KPLC Response		<p>As indicated in the specification, it shall be the responsibility of the supplier to ensure adequacy of the design, good engineering practice and adherence to specification, standards and regulations.</p>

3. TENDER SECURITY

The tender security is Ksh 700,000.00 and not Ksh 70,000.00 as stated in the Principal Tender Document (PTD)

4. EXTENSION OF TENDER CLOSING DATE

The tender closing date has been extended from 17th May 2018 to 24th May 2018 at 10:00 a.m All other terms and conditions remain as per the Principal Tender Document (PTD)

Yours faithfully,

For: THE KENYA POWER & LIGHTING CO. LTD.


BERNARD NGUGI
GENERAL MANAGER, SUPPLY CHAIN

