



*The Kenya Power & Lighting Co. Ltd.
Central Office – P.O. Box 30099, Nairobi, Kenya
Telephone – 254-02-3201000
Fax No. 254-02-3201889
Stima Plaza, Kolobot Road*

Our Ref: KP1/9AA-2/PT/23-ID/14-15/JM/at

10th February, 2015

M/s

Dear Sir,

**ADDENDUM NO. 1 TO THE TENDER NO.KP1/9AA-2/PT/23-ID/14-15 FOR
PROVISION OF CIVIL & BUILDING WORKS AT NAIROBI NORTH 220/66KV
SUBSTATION**

The following amendments are made to the specified provisions of the Tender document.

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. Please take note on the changes done on the following clauses in the tender document.

	Clause	Change
1.	Section IV BID DATA SHEET (Appendix to Instructions to tenderers), Clause 3.24.1 Tender Security	<i>The Tender Security shall be Kshs. 250,000.00</i>
2	Section IX Bill Of Quantities	<i>Amended BQ's Attached</i>

2. DEADLINE FOR SUBMISSION OF TENDER

The tender shall be closed on the **19th February, 2015**. The time for submission and opening remains the same as indicated in the Tender document.

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

Yours faithfully,

For: **KENYA POWER & LIGHTING COMPANY LIMITED.**



ANNIE GATUKUI

Ag. **GENERAL MANAGER, SUPPLY CHAIN**

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ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION 2				
	SWITCHYARD REHABILITATION & REINSTATEMENT				
I	Switch yard 600 SM				
A	Clear working area of all the site of existing ballast and rubbles	ITEM	1		
B	Scoop loose top soil by cutting average 400mm deep to receive imported fill	CM	600		
C	Provide average 300 mm thick selected well compacted imported murrum fill, compacted in layers of 150mm thick using a plate compactor to achieve slope	SM	600		
D	Prepare and apply Gradiator 4TC or equal and approved insecticide to surfaces of blinding as per Manufacturer's written instructions	SM	600		
E	Apply suitable weed killer, herbicide to surfaces of blinding as per the Manufacture's written instructions	SM	600		
F	1000 gauge polythene or other equal and approved membrane laid on compacted and treated quarry dust with weltd laps of 200mm wide.	SM	600		
G	Supply and spread uniformly 150mm thick 'one inch' (1") ballast in switch yard to match existing-re use existing ballast wher not sufficient top up with new supply	SM	600		
H	precast concrete chanel 200mm high at the ballast perimeter to prevent ballast spill over as restraint	LM	100		
I	allow for making good all station yard affected by new works	ITEM	1		
3	Cable ducts				
A	Supply and install 150mm diameter medium gauge PVC pipes as ducts. with and including 150mm thick concrete class 20 surround and murrum compaction underlying pipe bases as per as per engineer's detailed drawing-in all locations;include curring and reinstatement of existing bitumen road	LM	100		
	TOTAL THIS PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>CABLE TRENCH</u>				
	<i>Trench 600mm wide x600mm deep-length 115metres various locations</i>				
A	BULK excavation for trench 1.8m wide from reduced level not exceeding 1.2 m deep.	CM	220		
B	Load, cart away from site excavated materials and dispose at areas designated by local authority.	CM	180		
C	Fill in and ram selected backfill materials around trench.	CM	40		
	<i>Trench bed</i>				
D	50mm plain concrete(1:4:8) blinding on cable trench bed 1.5m wide	SM	230		
	<u>Vibrated reinforced concrete class</u>				
	<u>20/20 1:2:4/20 as described in;</u>				
E	In 150mm thick trench base with smooth steel finish	CM	19		
F	In 150mm thick vertical walls	CM	40		
	<i>fairface form work to</i>				
G	Sides of trench wall	SM	440		
	<i>Steel reinforcement bars including tying bending spacer blocks tying wires and fixing high tensile bars to BS 4461</i>				
I	Y 8mm in cable trench	KG	3,500		
J	50x50x4mm angle line embedded in concrete cable trench edges	LM	245		
	<i>Precast concrete trench covers (external cable trenches)</i>				
K	Provide and put in place (1000x300x75mm) thick precast concrete trench covers reinforced Y8 bars spaced at 100mm both ways with handles for lifting;with all edges protected with galvanized angle section 25x25mmx3mm	NO	400		
L	Ditto for trench 600mm wide	NO	170		
	<i>Cable trays</i>				
	Fabricate and fix cable trays,in 50x50x6mm thick RHS frame WITH 50x50x4mm RHS ties at 300mm c/c welded in the main frame and raised 200mm above the cable trench floor with same size supports,ALL steel work galvanized to clients approval				
M	Trench 600mm wide	LM	115		
	TOTAL THIS PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO.3				
	SCREEN WALL -24LM CUMILATIVE				
	(Substructures)				
A	Excavate for foundation trench 1500mm wide commencing at reduced level and not exceeding 1.5m deep.	CM	40		
B	Ditto exceeding 1.5m but n.e 3.0m	CM	40		
C	Extra over for excavation in all classes of rock at any depth.	CM	12		
D	Load, cart away from site surplus excavated materials and dispose at areas designated by local authority.	CM	92		
E	Fill in and ram selected imported materials around foundation and columns.	CM	80		
F	Provide all the necessary planking and strutting to uphold sides of trenches.	ITEM	1		
G	Allow for keeping all excavations water free by pumping, bailing or otherwise.	ITEM	1		
H	50mm thick (1:4:8) mass concrete blinding	SM	24		
	Total Carried to Summary Page				
	<u>Vibrated reinforced concrete class</u>				
	<u>20/25 1:2:4/25 as described in;</u>				
I	Foundation strip size (300x1500)mm	CM	12		
J	WALL UPSTAND (300-200)mm TAPER	CM	58		
	<i>Sawn/Steel form work to</i>				
K	Vertical sides of WALL	SM	450		
L	Ditto wall base 300MM girth	LM	55		
	<i>Steel reinforcement bars including tying bending</i>				
	<i>spacer blocks tying wires and fixing high tensile</i>				
	<i>bars to BS 4461</i>				
M	Y8-12mm	KG	8400		
N	25mm thick cement/sand (1:4) rendering on walls surfaces	SM	450		
	finished smooth to receive bituminous paint				
	TOTAL THIS PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SWITCH YARD PLINTHES				
	220KV SWITCHGEAR				
	Switchgear Foundation plinthes for the following 220kv KPLC TO +150mm on new proposed bay consisting of typical 1000x1000mm plinths CONSISTING of the following plinths -; 3NO -SD;3NO-CB;4 no. ISOLATOR;3NO-VTs;3 NO-post;TOTAL PLINTHS 16 NO.				
A	Excavate foundation pits commencing from reduced level but not exceeding 1.5 m deep	CM	96		
B	ditto 1.5m to 3m	CM	96		
	extra over in compacted maruum and all classes of rock	CM	16		
C	Backfill and ram selected excavated material around foundations	CM	75		
D	Cart away surplus excavated materials from Site to municipal council designanated damping site.	CM	135		
E	Disposal of water and Strutting	ITEM	1		
F	Blinding mix (1:4:8 - 50 mm)	SM	40		
G	Class 25(20) in foundations	CM	15		
H	Class 25(20) in stub col bases with face finishes	CM	48		
I	steel 8 to 16mm to bases and column	KG	4800		
J	Shuttering to columns stubs	SM	200		
K	Edges; 75 to 300 mm to plinths	LM	110		
L	grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client	NO	64		
M	13mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled	SM	72		
N	Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges	ITEM	1		
O	supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	ITEM	1		
	TOTAL THIS PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2	SWITCH YARD PLINTHES				
	66 KV SWITCHGEAR				
	Switchgear Foundation plinthes for the following 66kv KPLC TO +150mm on new proposed bay consisting of typical 1000x1000mm plinths CONSISTING of the following plinths -; 3NO -CT;2NO-CB; 8 no. ISOLATOR;3NO-VTs; 1 NO-MAST ;1 NO GANTRY;4NO-UG/OH transitionTOTAL PLINTHS 22 NO.				
A	Excavate foundation pits commencing from reduced level but not exceeding 1.5 m deep	CM	120		
B	ditto 1.5m to 3m	CM	120		
	extra over in compacted maruum and all classes of rock	CM	24		
C	Backfill and ram selected excavated material around foundations	CM	95		
D	Cart away surplus excavated materials from Site to municipal council desiganated damping site.	CM	155		
E	Disposal of water and Strutting	ITEM	1		
F	Blinding mix (1:4:8 - 50 mm)	SM	50		
G	Class 25(20) in foundations	CM	20		
H	Class 25(20) in stub col bases with face finishes-marine ply finish	CM	58		
I	steel 8 to 16mm to bases and column	KG	5950		
J	Shuttering to columns stubs	SM	300		
K	Edges; 75 to 300 mm to plinths	LM	135		
L	grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client	NO	104		
M	13mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled	SM	95		
N	Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges	ITEM	1		
O	supply and install 32mm heavy duty PVC flexible conduit fastened on switchgear plinth reinforcement to lengths not exceeding 5.0metres in every plinth and to flush with finished plith level for earthing conductor.	ITEM	1		
	TOTAL THIS PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
P	FACILITATE for KPLC to do earthing which will include all excavations of earth pits 1000mmx1000mmx1000mm-max 5 pits;linking trenches not exceeding 400mmx600mm approx 200lm OR 4m grids ;supply of murram soil and /or red soil to cover mat	ITEM	1		
Q	Allow for connection of oilsump to existing separation unit	ITEM	1		
	90MVA NO.TRANSFORMER PLINTH				
A	Excavate pit foundations not exceeding 3 metres deep from reduced levels	CM	432		
B	EXTRA OVER for excavation in compacted marum and all rocjk classes	CM	144		
C	Return fill and ram suitable excavated material to the sides of the	CM	100		
D	Cart away from site surplus excavated materials	CM	476		
E	Plain concrete 50mm thick blinding 1:4:8 to footing	SM	150		
F	Vibrated Reinforced Concrete Class 25/20 mm Aggregate in:-				
G	Base	CM	44		
H	PEDESTALS	CM	40		
I	COVER SLAB-300mm thick	CM	45		
	High Tensile Steel Reinforcement Bars; Cold Worked to BS 4461 (Provisional)				
J	12 mm diameter	KG	6300		
	Fairface Formwork to:-				
K	PEDESTAL BEAMS-UPSTANDS	SM	430		
L	Vertical sides of footing	LM	50		
	TOTAL THIS PAGE				

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SUMMARY PAGE					
BROUGHT DOWN FROM PAGE 1					
BROUGHT DOWN FROM PAGE 2					
BROUGHT DOWN FROM PAGE 3					
BROUGHT DOWN FROM PAGE 4					
BROUGHT DOWN FROM PAGE 5					
BROUGHT DOWN FROM PAGE 6					
BROUGHT DOWN FROM PAGE 7					
BROUGHT DOWN FROM PAGE 8					
SUBTOTAL					
ALLOW 16% VAT					
TOTAL CARRIED TO FORM OF TENDER					
Amount in words:.....					
.....					
Company Stamp					
Signed:					
Name:Address:					
Contract Period: Weeks					