

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/24-ID/14-15/JM/at

10th February, 2015

M/s

Dear Sir,

ADDENDUM NO. 1 TO THE TENDER NO.KP1/9AA-2/PT/24-ID/14-15 FOR PROVISION OF CIVIL & BUILDING WORKS AT NAKURU PS24 SOILO 132/33KV 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
Section IV BID DATA SHEET	The Tender Security
(Appendix to Instructions to	shall be Kshs.
tenderers), Clause 3.24.1 Tender	250,000.00
Security	
Section IX Bill Of Quantities	Amended BQ's
	Attached
	Section IV BID DATA SHEET (Appendix to Instructions to tenderers), Clause 3.24.1 Tender Security

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.

Ag. GENERAL MANAGER, SUPPLY CHAIN

	PROPOSED CIVIL WORKS AT PS 24 NAKURU SOILO 132/33	<u> </u>	Ι		<u> </u>
	SUBSTATION				
	BILL OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
				1	
	SECTION. I				
	Preliminaries				
A	Allow for a temporary site office ,notice board, shelves and , store for materials and tools storage. To accomodate 7 people and all furniture and meeting accessories	ITEM	ı		
В	Allow for clean water for the works	ITEM	1		
С	Allow for temporary sign post for the proposed works	ITEM	1		
SL BE ITEM SE Pr A All for fur B All C All D All F Re go for G All re pe H All su	Allow for security and insurance for the proposed works	ITEM	1		
	, more than the property with	· · · · · · · ·			
E	Allow for supply of power connection for use for the works.	ITEM	1		
F	Replication of all drawings in the required format by county government, authetication by required proffesional and submitting for approval, and handover of approved drawings to client	ITEM	1		
G	Allow for a qualified personel conservant with Kenya Power safety	ITEM	1		
,	regulations TO RECEIVE WORK PERMIT for the entire contract		·		
Н	Allow for prompt communication and updates facilitation to client supervision team	ITEM	1		
1	Demolilition of existing concrete plithes around project area	ITEM	1		
	,				
	TOTAL THIS PAGE			<u> </u>	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SECTION, 2				
	SWITCHYARD REHABILITATION & REINSTATEMENT				
1	Switch_yard_400_SM				
Α	Clear working area of all the site of existing ballast and rubbles	ITEM	l .		
В	Scoop loose top soil by cutting average 400mm deep to recieve imported fill	CM	400		
С	Provide average 300 mm thick selected well compacted imported murram fill, compacted in layers of 150mm thick using a plate compactor to achieve slope	SM	400		
D	Prepare and apply Gradiator 4TC or equal and approved insecticide to surfaces of blinding as per Manufacturer's written instructions	SM	400		
Е	Apply suitable weed killer, herbicide to surfaces of blinding as per the Manufacture's written instructions	SM	400		
F	1000 gauge polythene or other equal and approved membrane laid on compacted and treated quarry dust—with welted laps of 200mm wide.	SM	400		
G	Supply and spread uniformly 150mm thick 'one inch' (1") ballast in switch yard to match existing-re use existing ballast wher not sufficent top up with new supply	SM	400		
Н	precast concrete chanel 200mm high at the ballast perimeter to prevent ballast spill over as restraint	LM :	300		
1	allow for making good all station yard affected by new works AND herbicide treatment where applicable	ITEM	1		
3	Cable ducts				
Α	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	120		
В	Allow extra over for road cutting and reinstatement in bothe areas for 132kv and 33kv CONTROL CABLE DUCTS	ITEM	l .		
	TOTAL THE PACE				
	TOTAL THIS PAGE			l	<u> </u>

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	CABLE TRENCH				
	Trench 600mm wide x600mm deep-length 150etres various				
	locations				
	BULK excavation for trench 1.8m wide from reduced level not	СМ	320		
_ A	exceeding 1.2 m deep.			(4)	
	Load, cart away from site excavated materials and dispose at areas	СМ	270		
В	designated by local authority.				
С	Fill in and ram selected backfill materials around trench.	CM	60		
	Trench bed				
D	50mm plain concrete(1:4:8) blinding on cable trench bed Im wide	SM	115		
	Vibrated reinforced concrete class				
	25/20 1:1.5:3 as described in:				
E	In 150mm thick trench base with smooth steel finish	CM	23		
F	In 150mm thick vertical walls	CM	45		
	fairface form work to				
G	Sides of trench wall	SM	389		
	Steel reinforcement bars including tying bending spacer blocks				
	tying wires and fixing high tensile bars to BS 4461				
1	Y 8mm in cable trench	KG	5,400		
J	50x50x4mm angle line embedded in concrete cable trench edges	LM	320		
	Precast concrete trench covers (external cable trenches)				
к	Fix new covers with polymer based resin covers-COMPOSITE with ultimate load capacity of 1.5t/m2 to cover all trenches ;covers not wider than 400mm		400		
	Cable trays				
	Fabricate and fix cable trays,in 50x50x6mm thick RHS frame WITH				
	50x50x4mm RHS ties at 300mm c/c welded in themain frame and				
	raised 200mm above the cable trench floor with sime size				
	supports,ALL steel work galvanized to clients approval				
		111	15-		
<u>L</u>	Trench 600mm wide	LM	150		
	TOTAL THIS PAGE				<u> </u>

. .

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SWITCH YARD PLINTHES				
	132KV_SWITCHGEAR				
	Switchgear Foundation plinthes for the following 132kv KPLC TO +150mm on new proposed bay consisting of typical 700-1000 square plinths CONSISTING of the following plinths -; 3NO - PI;4NO-CB;4 no. ISOLATOR;3NO-CTs;3 NO-post;TOTAL PLINTHS 16 NO.				
A	Excavate foundation pits commencing from reduced level but not exceeding 1.5 m deep	СМ	80		
В	ditto 1.5m to 3m	CM	80		
—	extra over in compacted maruum and all classes of rock	CM	14		
С	Backfill and ram selected excavated material around foundations	CM	40		
D	Cart away surplus excavated materials from Site to municipal council designaated damping site.	СМ	135		
E	Disposal of water and Strutting	ITEM	1		
F	Blinding mix (t:4:8 - 50 mm)	SM	40		
G	Class 25(20) in foundations	CM	12		
Н	Class 25(20) in stub col bases with face finishes	CM	39		
1	steel 8 to 16mm to bases and column	KG	4400		
)	Shuttering to columns stubs	SM	175		
К	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		
М	13mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled	SM	65		
N	Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges	ITEM	ı		
0	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	l		
	TOTAL THIS PAGE	,			
	TOTAL THIS PAGE				

× ×

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2	SWITCH YARD PLINTHES				
	33KV SWITCHGEAR				
	Switchgear Foundation plinthes for the following 33kv KPLC TO +150mm on new proposed bay consisting of typical 700x700mm plinths CONSISTING of the following plinths -; 10 NO -CT;8NO-CB; 12 no. ISOLATOR;2NO-VTs; 2 NO-MAST ;2 NO GANTRY;8NO-PI/SD transitionTOTAL PLINTHS 44 NO.				
A	Excavate foundation pits commencing from reduced level but not exceeding 1.5 m deep	СМ	240		
В	ditto 1.5m to 3m	CM	240		
	extra over in compacted maruum and all classes of rock	CM	48		
С	Backfill and ram selected excavated material around foundations	CM	80		
D	Cart away surplus excavated materials from Site to municipal council desiganated damping site.	CM	448		
E	Disposal of water and Strutting	ITEM	1		
F	Blinding mix (1:4:8 - 50 mm)	SM	100		50
G	Class 25(20) in foundations	СМ	40		
Н	Class 25(20) in stub col bases with face finishes-marine ply finish	CM	88		
1	steel 8 to 16mm to bases and column	KG	7340		
J	Shuttering to columns stubs	SM	440		
K	Edges; 75 to 300 mm to plinths	LM	220		
L	grouting bolts /inserts and the like by holding in position when pouring concrete not exceeding 600mm long-bolts supplied by client	NO	216		
М	13mm thick plaster (1:3mix) to top surface of foundations with smooth finish trowelled	SM	170		
N	Attendance for KPLC staff to do earthing before all blinding including security for all copper strip edges	ITEM	1		
0	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
Р	FACILITATE for KPLC to do earthing which will include all excavations of earth pits 1000mmx1000mx1000mm-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	74.116	
Q	Alow for connection of oilsump to existing separation unit	ITEM	1		
	45.MVA_NO.TRANSFORMER.PLINTH				
A	Excavate pit foundations not exceeding 3 metres deep from reduced levels	СМ	220		
В	EXTRA OVER for excavation in compacted marum and all rocjk classes	СМ	77		
С	Return fill and ram suitable excavated material to the sides of the	СМ	50		
D	Cart away from site surplus excavated materials	СМ	240		
E	Plain concrete 50mmm thick blinding 1:4:8 to footing	SM	75		
F	Vibrated Reinforced Concrete Class 25/20 mm Aggregate in:				
G	Base	CM	22		
Н	PEDESTALS	CM	25		
1	COVER SLAB-300mm thick	CM	26		
	High Tensile Steel Reinforcement Bars; Cold Worked to BS 4461. (Provisional)				
J	12 mm diameter	KG	3800		
К	Eairface Formwork.to:: PEDESTAL BEAMS-UPSTANDS	SM	215		
7	Vertical sides of footing	LM	25		
L	vertical sides of footing	PM	-25		
	TOTAL THIS PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Hardcore filling		`		
М	Approved hardcore filling compacted to Engineer's approval,WITH COMPACTION in layers to 95 MDD or equivalent;withmuruum layer s in 200mm layers	CM	88		
NI.	Blind surface of hardcore with quary DUST	SM	E0.		
N -	build surface of hardcore with quary Dust	2141	50		
0	1000 gauge polythene sheet laid over hardcore	SM	50	<u> </u>	
\vdash	Total this page and Carried to Summary Page	5,,,	30		
-	SUMP RCC WALLING				
<u> </u>	Mass insitu concrete (1:4:8) in:-				
Α	Strip footing	SM	24		
	Vibrated Reinforced Concrete Class 25/20 mm Aggregate in:-				
В	Base	CM	4		
С	Walling finished fair face	CM	8		
	Formwork				
D	Vertical sides of base	SM	25		
E	Vertical sides of walling	LM	50		
	High Tensile Steel Reinforcement Bars; Cold Worked to BS 4461 (Provisional)				
F	8 mm diameter	KG	900		
G	Supply and fix fabicated heavy duty gratting 25x4mm thick flats fastened on 50x50x4mm angle iron fastened to contrete with 6mm plate with full welds with holding angle line 50x50mm; all galvanized	ITEM	1		
	OIL SEPARATOR				
Н	Oll sump chamber6m x 4m x 3m deep;perimeter 200mm thick block walling;internal plaster emplete with niru finish;with ring beam at every 2m interval 250x200mm with 4 nos.12mm bars and 8mm shear links at 200mm spacing;cover slab with manhole opening 150mm reinforced with 8mm stell bothways at 150mm spacing;heavy duty steel cover;including pvc pipe 4"connecting with the main transformer pi not exceeding 6m awayin two compartments		-		
	SOAKPIT				
	1.8m dia soakpit tank as per drawing complete with cover and all connections to sump and separator	ITEM	1.00		
	TOTAL THIS PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	Replace all existing covers with polymer based resin covers- COMPOSITE with ultimate load capacity of 1.5t/m2 and cart away all existing covers and rubble;not less than 300lm				
		ITEM	. 1		
В	REPAIR all damaged stone pitching including re fixing and grouting all joints where neccesary	ITEM	1		
С	REPAIR worn out and eroded IBD and fill all joints with motar NOT over 2201m	ITEM	1		
D	REPAIR,all wormout existing foundation plinth edges and finishe with cement slurry	ITEM	1		
E	Allow for connecting the substation with water including all charges and piping works and testing and connect to existing installations		1		
F	Refurbish the sanitary block and guard house and touch up paint coats on all external and internal paint.service the flushing system and all operational faults including relocating to designated area and fencing		1		
G	External paint to controm with cooperate colours externally	ITEM	1		
H	install facia cladding on the perimeter including underside cladding with girth not exceding 2.5 m;including fixing on RHS frame and cart away existing and /or modify		1		
i	making good all disturbed areas on concrete paved road incliuding painting all kerbs	ITEM	1		
]	Alow for trench extensions to new foundttions including chasing and all builders work in elevated areas	ITEM	. 1		
K	Modify existing grill gate to solid gate and paint with kplc colours	ITEM	1		
L	I		L		

	1000		85 - F. F. O.	
	<u>.</u>			
SUMMARY PAGE				
BROUGHT DOWN FROM PAGE I	1			
BROUGHT DOWN FROM PAGE 2				
BROUGHT DOWN FROM PAGE 3	Ĭ			
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				
		†	 	
			 	
	_		-	1
	-	 		-
		-		
		· ·	 	1
SUBTOTAL		 	•	
ALLOW 16% VAT			+	
TOTAL CARRIED TO FORM OF TENDER	_			
TOTAL CARRIED TO FORM OF TENDER		-		
Amount in words:	l	1	<u> </u>	<u> </u>
Amount in words	***************************************		D.	
				0,000
333771137177777777777777777777777777777		T	1	Γ.
C C			-	
Company Stamp		т	 	
Signed:		 		ļ
Name:Address:	404001114004000000		4.000110744104000077777	•
Conctract Period:Weeks				
		1		
		1	1	1
	-			

. .