



# Kenya Power

*The Kenya Power & Lighting Co. Ltd.  
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Stima Plaza, Kolobot Road*

Our Ref: *KP1/9AA-2/PT/24-ID/14-15/JM/at*

*10<sup>th</sup> 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.**

|    | <b>Clause</b>  | <b>Change</b>  |
|----|--|--|
| 1. | Section IV BID DATA SHEET<br>(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 **19<sup>th</sup> 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**



| ITEM | DESCRIPTION  | UNIT | QTY | RATE | AMOUNT |
|------|--|------|-----|------|--------|
|      | <b>SECTION 2</b>   |      |     |      |        |
|      | <b>SWITCHYARD REHABILITATION &amp; REINSTATEMENT</b>   |      |     |      |        |
| 1    | Switch yard 400 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   | 400 |      |        |
| 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   | 400 |      |        |
| D    | Prepare and apply Gradiator 4TC or equal and approved insecticide to surfaces of blinding as per Manufacturer's written instructions   | SM   | 400 |      |        |
| E    | 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 weltd 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 sufficient top up with new supply  | SM   | 400 |      |        |
| H    | precast concrete chanel 200mm high at the ballast perimeter to prevent ballast spill over as restraint   | LM   | 300 |      |        |
| I    | allow for making good all station yard affected by new works AND herbicide treatment where applicable  | ITEM | 1   |      |        |
| 3    | <b>Cable ducts</b>   |      |     |      |        |
| 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   | 120 |      |        |
| B    | Allow extra over for road cutting and reinstatement in bothe areas for 132kv and 33kv CONTROL CABLE DUCTS  | ITEM | 1   |      |        |
|      | <b>TOTAL THIS PAGE</b>   |      |     |      |        |

| ITEM | DESCRIPTION   | UNIT | QTY   | RATE | AMOUNT |
|------|---|------|-------|------|--------|
|      | <b>CABLE TRENCH</b>   |      |       |      |        |
|      | <i>Trench 600mm wide x600mm deep-length 150etres various locations</i>  |      |       |      |        |
| A    | BULK excavation for trench 1.8m wide from reduced level not exceeding 1.2 m deep.   | CM   | 320   |      |        |
| B    | Load, cart away from site excavated materials and dispose at areas designated by local authority.   | CM   | 270   |      |        |
| C    | Fill in and ram selected backfill materials around trench.<br><i>Trench bed</i>   | CM   | 60    |      |        |
| D    | 50mm plain concrete(1:4:8) blinding on cable trench bed 1m wide   | SM   | 115   |      |        |
|      | <u>Vibrated reinforced concrete class</u><br><u>25/20 1:1.5:3 as described in:</u>  |      |       |      |        |
| E    | In 150mm thick trench base with smooth steel finish   | CM   | 23    |      |        |
| F    | In 150mm thick vertical walls<br><i>fairface form work to</i>   | CM   | 45    |      |        |
| G    | Sides of trench wall  | SM   | 389   |      |        |
|      | <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   | 5,400 |      |        |
| J    | 50x50x4mm angle line embedded in concrete cable trench edges<br><br><i>Precast concrete trench covers (external cable trenches)</i>   | LM   | 320   |      |        |
| K    | 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  | PC   | 400   |      |        |
|      | <i>Cable trays</i>  |      |       |      |        |
|      | 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 |      |       |      |        |
| L    | Trench 600mm wide   | LM   | 150   |      |        |
|      | <b>TOTAL THIS PAGE</b>  |      |       |      |        |

| ITEM | DESCRIPTION   | UNIT | QTY  | RATE | AMOUNT |
|------|---|------|------|------|--------|
|      | <b>SWITCH YARD PLINTHES</b>   |      |      |      |        |
|      | <b>132KV SWITCHGEAR</b>   |      |      |      |        |
|      | Switchgear Foundation plinth 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-CT's;3 NO-post;TOTAL PLINTHS 16 NO. |      |      |      |        |
| A    | Excavate foundation pits commencing from reduced level but not exceeding 1.5 m deep   | CM   | 80   |      |        |
| B    | ditto 1.5m to 3m  | CM   | 80   |      |        |
|      | extra over in compacted maruum and all classes of rock  | CM   | 14   |      |        |
| C    | Backfill and ram selected excavated material around foundations   | CM   | 40   |      |        |
| D    | Cart away surplus excavated materials from Site to municipal council designanated dumping 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   | 12   |      |        |
| H    | Class 25(20) in stub col bases with face finishes   | CM   | 39   |      |        |
| I    | steel 8 to 16mm to bases and column   | KG   | 4400 |      |        |
| J    | Shuttering to columns stubs   | SM   | 175  |      |        |
| 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   | 65   |      |        |
| 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    |      |        |
|      |   |      |      |      |        |
|      |   |      |      |      |        |
|      | <b>TOTAL THIS PAGE</b>  |      |      |      |        |

| ITEM | DESCRIPTION  | UNIT | QTY  | RATE | AMOUNT |
|------|--|------|------|------|--------|
| 2    | <u>SWITCH YARD PLINTHES</u>  |      |      |      |        |
|      | <u>33KV SWITCHGEAR</u>   |      |      |      |        |
|      | 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  | CM   | 240  |      |        |
| B    | ditto 1.5m to 3m   | CM   | 240  |      |        |
|      | extra over in compacted maruum and all classes of rock   | CM   | 48   |      |        |
| C    | Backfill and ram selected excavated material around foundations  | CM   | 80   |      |        |
| D    | Cart away surplus excavated materials from Site to municipal council designanated damping site.  | CM   | 448  |      |        |
| E    | Disposal of water and Strutting  | ITEM | 1    |      |        |
| F    | Blinding mix (1:4:8 - 50 mm)   | SM   | 100  |      |        |
| G    | Class 25(20) in foundations  | CM   | 40   |      |        |
| H    | Class 25(20) in stub col bases with face finishes-marine ply finish  | CM   | 88   |      |        |
| I    | 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  |      |        |
| M    | 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    |      |        |
| 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 1000mmx1000mx1000mm-max 5 pits;linking trenches not exceeding 400mmx600mm approx 200lm OR 4m grids ;supply of murrum soil and /or red soil to cover mat | ITEM | 1    |      |        |
| Q    | Allow 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  | CM   | 220  |      |        |
| B    | EXTRA OVER for excavation in compacted marum and all rocjk classes  | CM   | 77   |      |        |
| C    | Return fill and ram suitable excavated material to the sides of the   | CM   | 50   |      |        |
| D    | Cart away from site surplus excavated materials   | CM   | 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   |      |        |
| H    | PEDESTALS   | CM   | 25   |      |        |
| I    | COVER SLAB-300mm thick  | CM   | 26   |      |        |
|      | High Tensile Steel Reinforcement Bars; Cold Worked to BS 4461 (Provisional)   |      |      |      |        |
| J    | 12 mm diameter  | KG   | 3800 |      |        |
|      | Fairface Formwork to:-  |      |      |      |        |
| K    | PEDESTAL BEAMS-UPSTANDS   | SM   | 215  |      |        |
| L    | Vertical sides of footing   | LM   | 25   |      |        |
|      | TOTAL THIS PAGE   |      |      |      |        |







