

<b>PROPOSED CIVIL WORKS FOR SGR 33KV TAKE-OFF BAY AT VOI 132/33 KV S/STN</b>					
<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount (Kshs)</b>
<b>ELEMENT No.1</b>					
<b>PRELIMINARIES AND ENABLING WORKS</b>					
A	Allow for a temporary site office		1		
B	Allow for a qualified person conversant with Kenya Power safety regulations with capacity to receive safety electrical permits and to double up as 'Safety Officer' for the entire contract period	ITEM	1		
C	Allow for security and insurance for the proposed works	ITEM	1		
B	Allow for clean water for the works	ITEM	1		
E	Allow for temporary sign post for the proposed works	ITEM	1		
F	Allow for temporary supply of power connection for use for the works.	ITEM	1		
G	Allow for all the necessary statutory approvals for the works by relevant county departments, replication of drawings to required formats, Endorsement by relevant professional persons; and submit a set of approved drawings before commencement and as built drawings to client on completion,including site and project registration with NCA.	ITEM	1		
I	Allow for Kenya power personnel to do earthing prior to blinding all the excavated bases	ITEM	1		
H	Allow facilitation for kplc supervisors on communications and data	ITEM	1		
<b>ELEMENT No.2</b>					
<b>SWITCH - GEAR FOUNDATION PLINTHS( Substructure Worka -All provisional)</b>					
<b>The following in 1No. Two legged 33kv post insulators, 2Nos two legged 33kv Air-Break Swiches, Typical 1No. 33kv Circuit- Breaker two legged, 33kv Current Transformers - three legged and 1No. Transition structure-two legged foundations-; Total 12Nos. foundation plinths</b>					
A	Clear site of all existing ballast and black polythene membrane and set aside the ballast for re-use as shall be necessary	SM	390		
B	Excavate foundation pits commencing from ground level and not exceeding 1.5m deep	CM	30		
C	Ditto Exceeding 1.5m but not exceeding 3.0m	CM	10		
D	Extra -Over for excavating in all classes of rock	CM	30		
E	Allow for all necessary plunking and strutting	ITEM	1		
<b>Total to this page and carried to Summary page 1</b>					







Item	Description	Unit	Qty	Rate	Amount (Kshs)
<b>ELEMENT No. 4</b>					
<b>REHABILITATION WORKS (Approx. 100 sq. metres Affected by movements caused by new bay )</b>					
A	Carefully remove ballast from the affected areas and set-aside for re-use	SM	100		
B	Re-Instate the affected areas with approximately 150mm thick Imported Murrum and compact to client approval using a tone vibratory roller.	CM	100		
D	Prepare and apply Gradiator 4TC or equal and approved insecticide to surfaces of murrum fill and blinding as per Manufacturer's written instructions	SM	100		
E	Apply suitable weed killer, herbicide to surfaces of blinding as per the Manufacture's written instructions	SM	100		
F	1000 gauge polythene or other equal and approved mebrane laid on compacted and treated murrum with welted laps of 200mm wide.	SM	100		
G	Re-Use Set aside ballast and spread Uniformly in switch- yard and Top up with new ones to Client Approval.	SM	100		
<b>ELEMENT No. 5</b>					
<b>GALVANIZED FOUNDATION BOLTS</b>					
A	Allow for supplyng, fixing and Grouting the foundtion bolts in stub columns by setting to precision and securing them in place when pouring concrete. (Bolts provided by client approx. size 600mm long and 25mm diameter).	PCS	48		
<b>ELEMENT No. 6</b>					
<b>Galvanized Steel Structures for Supporting Various Equipments</b>					
A	Supply and erect 12nos. 200x200 mm X 6mm thick S.H.S hot dip galvanized to 95 microns not exceeding 7m high, top cross-members, complte with base and top plates and necessary stiffeners welded to main post complete with bolts and nuts - to match existing structures	ITEM	1		
	Supply and fix 150mm dia HD pvc ducts and 105 DEGREE BENDS to receive cables from equipment to trenches including haunching with 150mm class 15 mass concrete and self supportes to levels not exeeding 1m from the ground ;each installation to link to nearest trench point to terminate at CT/VT/ES/LTX/CB	ITEM	1		
<b>Total to this page and carried to Summary page 4</b>					

	<b>SUMMARY PAGE.</b>				
	TOTAL FROM PAGE 1				
	TOTAL FROM PAGE 2				
	TOTAL FROM PAGE 3				
	TOTAL FROM PAGE 4				
	<b>SUB TOTAL</b>				
	16%VAT				
	GRAND TOTAL				
	AMOUNT IN WORDS				
	COMPANY STAMP				
	SIGN:				
	NAME & ADDRESS:				
	CONTRACT PERIOD: -				

