

**BOQ FOR ELECTRIFICATION 125 STANDS IN WITTEN EXT-8**

Item	Description	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
<b>A</b>	<b>PRELIMINARY &amp; GENERAL</b>								
1	Site establishment	Sum	1		1				
2	<b>CLO @ R3,900.00</b>	Mth			2				
3	<b>Safety Representative @ R2,900.00</b>	Mth			2				
4	PSC Members @ R160	Mth			2				
5	Compensation to land owner @ R 10,000.00	Sum			1	R 10 000,00			<b>R 10 000,00</b>
6	25-Ton Truck ( Lowbed)	Mth	2						
7	8-Ton Crane truck	Mth	2						
8	2-Tonner Ldv	Mth	2						
9	1-Tonner Ldv	Mth	2						
10	Sign Board	Mth			1				
11	Site store & storeman	Mth			2				
12	Staff food & accommodation	Mth			2				
13	Security	Mth			2				
14	Supervision	Mth			2				
15	Clothing/Equipment & ensure use thereof for full compliance	Prov. Sum			1				
16	Payment of UIF EPWP	Prov. Sum			1				
17	Payment of EPWP	Prov. Sum			1				
18	Health & Safety Requirements	Mth			2				
19	<b>Handing Over Ceremony@ R 20,000.00</b>	Prov. Sum			1	R 20 000,00			<b>R 20 000,00</b>
<b>SUB-TOTAL</b>									

<b>B</b>	<b>Pegging out the works</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	MV Pegging (Who mapped the area)	Sum			1,00				
	LV Pegging (Who mapped the area)				1,00				
3	te pegging of the area)	Sum	1,00		1,00				
4	Bush Clearing and Tree Felling	m							
<b>SUB-TOTAL</b>									
<b>C</b>	<b>Digging Holes</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
<b>1A</b>	LV stay back-actor or hand	e.a.		0,00					
<b>1B</b>	Rock Drill	e.a.		0,00	14				
<b>1C</b>	Compressors	e.a.		0,00					
<b>2A</b>	MV stay back-actor or hand	e.a.		0,00					
<b>2B</b>	Rock Drill	e.a.		0,00	1				
<b>2C</b>	Compressors	e.a.		0,00					
<b>3A</b>	7m Pole back-actor or hand	e.a.		0,00					
<b>3B</b>	Rock Drill	e.a.		0,00	25				
<b>3C</b>	Compressors	e.a.		0,00					
<b>4A</b>	9m Pole back-actor or hand	e.a.		0,00					
<b>4B</b>	Rock Drill	e.a.		0,00	13				
<b>4C</b>	Compressors	e.a.		0,00					
<b>5A</b>	10m Pole back-actor or hand	e.a.		0,00					
<b>5B</b>	Rock Drill	e.a.		0,00					
<b>5C</b>	Compressors	e.a.		0,00					
<b>6A</b>	11m Pole back-actor or hand	e.a.		0,00					
<b>6B</b>	Rock Drill	e.a.		0,00	3				
<b>6C</b>	Compressors	e.a.		0,00					
7A	13m Pole back-actor or hand	e.a.		0,00					
7B	Rock Drill	e.a.		0,00					
7C	Compressors	e.a.		0,00					
<b>SUB-TOTAL</b>									

<b>D</b>	<b>Plant poles</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	7m Wood 120-140mm tops	e.a.	25		25				
2	9m Wood 140-160mm tops	e.a.	13		13				
3	9m Wood 180-200 mm tops	e.a.	2		2				
4	10m Wood 160-180mm tops	e.a.							
5	10m Wood 180-200mm tops	e.a.							
6	11m Wood 160-180mm tops	e.a.	2		2				
7	11m Wood 180-200mm tops	e.a.	1		1				
8	12m Wood 180-200mm tops	e.a.							
9	13m Wood 180-200mm tops	e.a.							
<b>SUB-TOTAL</b>									
<b>E</b>	<b>HV STRUCTURES</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
	Int ass stag vertical ( 0 deg )3ph								
1	T-off ass int vert	m							
2	Susp ass vert (10-30 deg)	m							
3	Strain ass vertical (30-90 deg)	m							
4	Terminal ass vert	m							
<b>SUB-TOTAL</b>									
<b>F</b>	<b>MV 'THREE PHASE</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	Int ass delta 0 deg	e.a.							
2	Int ass vertical (1-10 deg)	e.a.	2		2				
3	Int ass stag vertical ( 0-10 deg )3ph	e.a.							
4	Strain ass delta (10-30 deg)	e.a.							
5	Strain ass delta (30-90 deg)	e.a.							
6	Terminal delta	e.a.							
6	T-off ass int-delta	e.a.							
7	T-off ass str-delta	e.a.							
9	T-off ass int vert	e.a.	1		1				
10	Susp ass vert (10-30 deg)	e.a.							
11	Strain ass vertical (30-90 deg)	e.a.							
12	Terminal ass vert	e.a.	1		1				
13	in-line strain vert	e.a.							
<b>SUB-TOTAL</b>									

<b>G</b>	<b>MV Stays</b>	<b>Unit</b>	<b>MQty</b>		<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	1 Off conv anchor	e.a.	1		1				
2	1 Off flying stay	e.a.							
3	1 Off strut pole 9m	e.a.							
<b>SUB-TOTAL</b>									
<b>H</b>	<b>LV Structures</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	Int / susp (0-30 deg) DD-T (1100)	e.a.	25		25				
2	Intermediate service	e.a.							
3	Strain (0-60 deg) (DD-T1121)	e.a.	2		2				
4	Strain (60-90 deg) (DD-T 1122)	e.a.	2		2				
5	Terminal (DD-T1120)	e.a.	14		14				
6	T-off from interm (1140)	e.a.	1		1				
7	T-off from Strain (1141)	e.a.	2		2				
8	Cross int-int ass (1142)	e.a.	1		1				
9	In-line Strain (1161)	e.a.							
10	Strain (60-90 deg) 2ph	e.a.							
11	l-off ass 2ph	e.a.							
<b>SUB-TOTAL</b>									
<b>I</b>	<b>LV Stays</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	1 Off conv anchor	e.a.	14		14				
2	1 Off flying stay	e.a.							
3	1 Off strut pole 7m	e.a.	3		3				
<b>SUB-TOTAL</b>									
<b>J</b>	<b>Service Boxes</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	1-2Way box : 1x 63A mcb	e.a.	13		13				
1	1-4 Way box : 1x 63A mcb	e.a.	29		29				
2	5 - 8 Way box : 2 x 63 A mcb	e.a.	1		1				
<b>SUB-TOTAL</b>									

<b>K</b>	<b>Stringing</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	Squirrel conductor	m							
2	Fox conductor	m	500		500				
3	Mink conductor	m							
4	35 mm sq ABC 1-ph	m							
5	35 mm sq ABC 2- ph	m							
6	35 mm sq ABC 3-ph	m	2000		2000				
7	70 mm sq ABC 1-ph	m							
8	70 mm sq ABC 2-ph	m	50		50				
9	70 mm sq ABC 3-ph	m	500		500				
10	MV Fox full tension joint	e.a.	2		2				
11	LV joint 35 mm full tension	e.a.	2		2				
12	LV joint 70 mm full tension	e.a.	2		2				
<b>SUB-TOTAL</b>									
<b>L</b>	<b>Transformer Installation</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
	<b>Transformers: 11kV</b>								
1	200kVA x 3 Ph (1 off) - new	ea							
2	200kVA x 3 Ph (1 off) - new	ea							
3	100kVA x 3 Ph (2 off) - relocate	ea							
4	100kVA x 3 Ph (1 off) - new	ea	1		1				
5	50kVA x 3 Ph (0 off) - relocate	ea							
6	50kVA x 3 Ph (0 off) - new	ea							
7	32kVA x 2 Ph (0 off) - relocate	ea							
8	32kVA x 2 Ph (0 off) - new	ea							
9	25kVA x 3 Ph (0 off) - relocate	ea							
10	25kVA x 3 Ph (0 off) - new	ea							
11	16kVA x 1 Ph (1 off) - relocate	ea							
12	16kVA x 1 Ph (1 off) - new	ea							
<b>SUB-TOTAL</b>									

<b>M</b>	<b>Distribution Box</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	63 A	e.a.							
2	80A Dual phase (32kVA)	e.a.							
3	80A Three phase (50kVA)	e.a.							
4	125A	e.a.	3		3				
5	160A	e.a.							
<b>SUB-TOTAL</b>									
<b>O</b>	<b>Installation Earthing</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	MV Earthing (Type 1 crowfoot)	e.a.	1		1				
2	LV Earthing (Type 1 crowfoot)	e.a.	1		1				
3	Bonding	e.a.	2		2				
<b>SUB-TOTAL</b>									
<b>O</b>	<b>Pole Numbering</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	MV pole number	e.a.	3		3				
2	LV pole number	e.a.	38		38				
<b>SUB-TOTAL</b>									
<b>P</b>	<b>Commissioning</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	Test & commission test and MV equipment	e.a.	1		1				
<b>SUB-TOTAL</b>									
<b>R</b>	<b>Other</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	Link assembly ( On-load) per phase	ea	3		3				
2	Link assembly (Off load) per phase	ea							
3	Drop-out fuses three phase	ea	3		3				
4	Drop-out fuses dual phase	ea							
5	Sample line /Material Board	sum							
6	CT/VT unit, incl meter box, links	ea							
7	Remove existing poles	ea							
8	Remove existing conductor	m							
9	Remove existing stay	ea							
10	Remove existing transformer	ea							
11	include dressing and re-tension old dual phases.	m							
12	Live work ( <b>Provisional Amount</b> )	ea			1				
13	Remove existing dressing	ea							
14	Ant-clim device	ea	4		4				
15	Tree felling (truck diameter > 300mm)	ea			4				
<b>SUB-TOTAL</b>									

<b>S</b>	<b>House Connections</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	Underground connection	ea							
2	Overhead connection	ea	125		125				
3	Supply ECU base, fixing rails and plug	ea							
4	Supply 20A ECU (internal ELPU)	ea							
5	<b>Procure Split Meter Din Rail 20A WS with Keypad</b>	ea	125						
6	Sealing of meters	ea	125		125				
7	COC certificates	ea	125		125				
8	COC Certificate ECA version	Sum							
9	Supply and install additional 63A circuit breaker	ea							
10	<b>Supply Ready Board plus Rail (No Light)</b>	ea	125		125				
11	Existing, incl. GPS co-ordinates and Supply of Data	ea	125		125				
<b>SUB-TOTAL</b>									
<b>T</b>	<b>Excavate and plant poles</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1A	5m Wood 80-100 mm tops	e.a.	120		120				
1B	Rock Drill	e.a.							
1C	Compressors	e.a.							
2A	7m Wood 120-140 mm tops	e.a.	5		5				
2B	Rock Drill	e.a.							
2C	Compressors	e.a.							
3	Shackpole Dressing	e.a.	120		120				
4	Compressors	e.a.							
5	Hand Excavate Cable trench -house connection	m							
6	Hand Excavate Cable trench-Road Crossing	m							
7	Install Cable Sleeves 110mm	m							
<b>SUB-TOTAL</b>									
<b>U</b>	<b>Conductor( Installation incl in service con rate)</b>	<b>Unit</b>	<b>MQty</b>	<b>MRate</b>	<b>LQty</b>	<b>LRate</b>	<b>Mtotal</b>	<b>Ltotal</b>	<b>Total</b>
1	<b>4mm sq Airdac CNE plus Pilot wires</b>	m							
2	10mm sq Airdac CNE plus Pilot wires	m	5000		5000				
<b>SUB-TOTAL</b>									