

ELECTRIFICATION OF NEW PHEPHENE VILLAGE				
ITEM	DESCRIPTION			AMOUNT
NUMBER OF STANDS: 75		Materials	Labour	Total Price
A	Preliminaries & General			
B	Pegging out the works			
C	Digging Holes			
D	Plant poles			
E	Three Phase			
F	MV Stays			
G	LV Structures			
H	LV Stays			
I	Service Boxes			
J	Stringing			
K	Transformer Installation			
L	LV Protection Morsdorf type fuse			
M	Installation Earthing			
N	Pole Numbering			
O	Commissioning			
P	Other			
Q	House Connections			
R	Excavate and plant poles			
S	Conductor			
<b>SUB TOTAL 1 EXCL VAT</b>				
<b>CONTINGENCY @10%</b>				
<b>TOTAL 2 INCL CONTINGENCIES</b>				
<b>VAT @ 15%</b>				
<b>TOTAL BID AMOUNT</b>				

ELECTRIFICATION OF NEW PHEPHENE VILLAGE BOQ									
Item	Description	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
<b>A</b>	<b>Site Establishment &amp; Safety</b>								
1	Site Camp, store, personnel, rental, safety, transport, <b>notice board</b> , etc.	months	3		3				
2	Payment of CLO (3 Months) <b>(Provisional Amount)</b>	e.a.	0	0.00	3	R 4 900.00	<b>0.00</b>	R 14 700.00	R 14 700.00
3	Payment of PSC Members (6) <b>(Prov. Amount)</b>	e.a.	0	0.00	3	R 600.00	<b>0.00</b>	R 1 800.00	R 1 800.00
4	Compliance with OHS ACT incl. Safety File and safety inspections and COVID-19	Sum	1		1				
5	SHE Representative <b>(Prov. Amount)</b>	Sum	0	0.00	3	R 4 100.00	<b>0.00</b>	R 12 300.00	R 12 300.00
6	Medical Surveillance (6) <b>(Prov. Amount)</b>	Sum	0	0.00	6	R 700.00	<b>0.00</b>	R 4 200.00	R 4 200.00
7	PPE for EPWP workers (8) <b>(Prov. Amount)</b>	Sum	0	0.00	8	R 800.00	<b>0.00</b>	R 6 400.00	R 6 400.00
8	Payment of EPWP workers(6) <b>(Prov. Amount)</b>	months	0	0.00	3	R 23 760.00	<b>0.00</b>	R 71 280.00	R 71 280.00
<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 <b>(Provisional Amount)</b>	Sum	0.00	0.00	1.00	R 6 000.00	<b>0.00</b>	R 6 000.00	R 6 000.00
2	LV Pegging <b>(Provisional Amount)</b>	Sum	0.00	0.00	2.50	R 5 000.00	<b>0.00</b>	R 12 500.00	R 12 500.00
4	AS-Built drawing (by an Eskom approved surveyor who pegged the lines) Only <b>(Provisional amount)</b>	sum	0.00	0.00	1.00	R 35 000.00	<b>0.00</b>	R 35 000.00	R 35 000.00
5	Bush Clearing and Tree Felling	sum	1.00		1.00				
<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>
1A	LV stay back-actor or hand	e.a.	0	0.00	9				
1B	Rock Drill	e.a.	0	0.00	5				
1C	Compressors	e.a.	0	0.00	20				
2A	MV stay back-actor or hand	e.a.	0	0.00	3				
2B	Rock Drill	e.a.	0	0.00	2				
2C	Compressors	e.a.	0	0.00	5				
3A	7m Pole back-actor or hand	e.a.	0	0.00	15				
3B	Rock Drill	e.a.	0	0.00	10				
3C	Compressors	e.a.	0	0.00	20				
4A	9m Pole back-actor or hand	e.a.	0	0.00	5				
4B	Rock Drill	e.a.	0	0.00	1				
4C	Compressors	e.a.	0	0.00	6				
5A	11m Pole back-actor or hand	e.a.	0	0.00	5				
5B	Rock Drill	e.a.	0	0.00	9				
5C	Compressors	e.a.	0	0.00	15				
6A	13m Pole back-actor or hand	e.a.	0	0.00	0				
6B	Rock Drill	e.a.	0	0.00	1				
6C	Compressors	e.a.	0	0.00	0				
<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.	45		45				
2	9m Wood 140-160mm tops	e.a.	8		8				
3	9m Wood 160-180 mm tops	e.a.	4		4				
4	11m Wood 160-180mm tops	e.a.	21		21				
5	11m Wood 180-200mm tops	e.a.	9		9				
6	12m Wood 180-200mm tops	e.a.							
7	13m Wood 180-200mm tops	e.a.	2		2				
<b>SUB-TOTAL</b>									
<b>E</b>	<b>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.	0		0				
2	Int ass vertical (1-10 deg)	e.a.							
3	Int ass stag vertical ( 0 deg )3ph	e.a.	3		3				
4	Strain ass delta (0-30 deg)	e.a.	0		0				
5	Strain ass delta (30-90 deg)	e.a.	6		6				
7	T-off ass int-delta	e.a.							
8	T-off ass str-delta	e.a.							
9	T-off ass int vert	e.a.	3		3				
10	Susp ass vert (10-30 deg)	e.a.	0		0				
11	Strain ass vertical (30-90 deg)	e.a.	0		0				
12	Terminal ass vert	e.a.	3		3				
13	In-line strain vert	e.a.							
<b>SUB-TOTAL</b>									
<b>F</b>	<b>MV 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.	6		6				
2	1 Off flying stay	e.a.	2		2				
3	1 Off strut pole 11m	e.a.	5		5				
<b>SUB-TOTAL</b>									
<b>G</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)	e.a.	21		21				
2	Intermediate service	e.a.							
3	Strain (0-60 deg)	e.a.	12		12				
4	Strain (60-90 deg)	e.a.	2		2				
5	Terminal	e.a.	0		0				
6	T-off from interm	e.a.	5		5				
7	T-off from strain	e.a.							
8	Cross int-int ass	e.a.	0		0				
9	Termination at T f	e.a.							
<b>SUB-TOTAL</b>									

H	LV Stays	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	1 Off conv anchor	e.a.	34		34				
2	1 Off flying stay	e.a.							
3	1 Off strut pole 9m/7m	e.a.	4		4				
<b>SUB-TOTAL</b>									
I	Service Boxes	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1A	1 - 4 Way Split Meter box : 1 x 63 A mcb	e.a.	41		41				
2B	5 - 8 Way Split Meter box : 2 x 63 A mcb	e.a.							
<b>SUB-TOTAL</b>									
J	Stringing	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Squirrel conductor	m							
2	Fox conductor	m	2744		2744				
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	879		879				
7	70 mm sq ABC 1-ph	m							
8	70 mm sq ABC 2-ph	m							
9	70 mm sq ABC 3-ph	m	1438		1438				
10	MV FOX full tension joint	e.a.	4		4				
11	LV joint 35 mm full tension	e.a.	10		10				
12	LV joint 70 mm full tension	e.a.	22		22				
<b>SUB-TOTAL</b>									
K	Transformer Installation	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
<b>Transformers: 11kV &amp; 22kV</b>									
1	200kVA x 3 Ph (1 off) - relocate	ea							
2	200kVA x 3 Ph (1 off) - new	ea							
3	100kVA x 3 Ph (2 off) - relocate	ea							
4	100kVA x 3 Ph (2 off) - new(22kV)	ea							
5	50kVA x 3 Ph (0 off) - relocate	ea							
6	50kVA x 3 Ph (0 off) - new(11kV)	ea	4		4				
7	32kVA x 2 Ph (0 off) - relocate	ea							
8	32kVA x 2 Ph (0 off) - new(11kV)	ea							
9	25kVA x 3 Ph (0 off) - relocate	ea							
<b>SUB-TOTAL</b>									
L	LV Protection Morsdorf type fuses	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	80 A Single Phase	e.a.							
2	80A Dual phase (32kVA)	e.a.							
3	80A Three phase (50kVA)	e.a.	4		4				
4	125A	e.a.							
5	160A Three phase (100kVA)	e.a.							
<b>SUB-TOTAL</b>									

M	Installation Earthing	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	MV Earthing (Type 1 crowfoot)	e.a.	4		4				
2	LV Earthing (Type 1 crowfoot)	e.a.	10		10				
3	Bonding	e.a.	14		14				
<b>SUB-TOTAL</b>									
N	Pole Numbering	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	MV pole number	e.a.	32		32				
2	LV pole number	e.a.	49		49				
<b>SUB-TOTAL</b>									
O	Commissioning	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Test & commission trsf and MV equipment	e.a.	0	0.00	4				
<b>SUB-TOTAL</b>							R -	R -	R -
P	Other	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Link assembly ( On-load) per phase	ea	12		12				
2	Link assembly (Off load) per phase	ea	12		12				
3	Drop-out fuses three phase	ea	12		12				
4	Drop-out fuses single 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	Upgrade Dual Phase fox MV to three phase fox line, include dressing and re-tension old dual phases. <b>(Provisional Amount)</b>	m							
12	Live work <b>(Provisional Amount)</b>	ea	1	0.00	0	R 95 000.00	<b>95 000.00</b>	R -	R 95 000.00
13	Remove existing dressing	ea							
14	Ant-clim device	ea	12		12				
15	Tree felling (trunk diameter > 300mm)	ea							
<b>SUB-TOTAL</b>									

Q	House Connections	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Underground connection	ea							
2	Overhead connection	ea	75		75				
3	Supply ECU base, fixing rails and plug	ea	75		75				
4	Supply 20A ECU (internal ELPU)	ea	75		75				
5	Supply Split Meter Din Rail 20A PLC with Keypad	ea	75		75				
6	Sealing of meters	ea	75		75				
7	COC certificates	ea	0		0				
8	COC Certificate ECA version	ea	75		75				
9	Supply and install additional 63A circuit breaker	ea							
10	Supply Ready Board plus Rail (No Light)	ea							
11	Capture and upload of customer data new & Existing, incl. GPS co-ordinates and Supply of Data books	ea	75		75				
<b>SUB-TOTAL</b>									
R	Excavate and plant poles	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1A	5m Wood 80-100 mm tops	e.a.	5		5				
1B	Rock Drill	e.a.	4		4				
1C	Compressors	e.a.	10		10				
2A	7m Wood 120-140 mm tops	e.a.							
2B	Rock Drill	e.a.							
2C	Compressors	e.a.							
3	Shackpole Dressing	e.a.	19		19				
<b>SUB-TOTAL</b>									
S	Conductor( Installation incl in service con rate)	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	4mm sq Airdac SNE plus Pilot wires	m							
2	10mm/6mm sq Airdac SNE plus Pilot wires	m	3012		3012				
<b>SUB-TOTAL</b>									