

TITLE OF THE CONTRACT: ELECTRIFICATION OF MAKGOPHONG VILLAGE (110 STANDS)
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Contractor:		Employer:	Lepelle Nkumpi Municipality
VAT No.:		VAT NO.	4320213251
Contact Person:		Contact Person:	T Phasha
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		Contract No.	LN007/2016/17

Item	Description	Amount		
		Materials	Labour	Total Price
A	Preliminaries & General			
B	Pegging out the works			
C	Digging Holes			
D	Plant poles			
E	MV Structures			
F	MV Stays			
G	LV Structures			
H	LV Stays			
I	Service Boxes			
J	Stringing			
K	Transformer Installation			
L	Installation of Earthing			
M	Pole Numbering			
N	Commissioning			
O	Other			
P	House Connections			
Q	Excavate and plant poles			
R	Conductor			
S	General			

Total Bid Price VAT excluding	
10% Contingencies	
Sub Total Incl Contingencies	
Add 15% VAT	
Total VAT Inclusive	

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Item	Description	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
A	Preliminaries & General								
1	Transport materials on site	Sum	1		-	-		-	
2	25-Ton Truck (Lowbed)	km	1000		-	-		-	
3	8-Ton Crane truck	Mth	3		-	-		-	
4	8-Ton Crane Truck 4 X 4	Mth	3		-	-		-	
5	2-Tonner Ldv	Mth	3		-	-		-	
6	1-Tonner Ldv	Mth	3		-	-		-	
7	Fuel	Mth	3		-	-		-	
8	Site establishment	Sum	1		-	-		-	
9	Site store & storeman	Mth	3		-	-		-	
10	Site office	Mth	3		-	-		-	
11	Staff food & accommodation	Mth	3		-	-		-	
12	Security	Mth	-	-	3		-		
13	Supervision	Mth	-	-	3		-		
14	Additional 24 Hr Security December Holidays	day	-	-	-	-	-	-	-
15	Health & Safety Requirements by Eskom Incl COVID 19	Sum	-	-	1		-		
SUB-TOTAL									
B	Pegging out the works	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	MV Pegging - excl bush clearing and tree felling	km			1,2		-		
2	LV Pegging - excl bush clearing and tree felling	km			3,5		-		
SUB-TOTAL									

C	Digging Holes	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	LV stay back-actor or hand	e.a.			20				
2	Rock Drill	e.a.			15				
3	Compressors	e.a.			10				
4	MV stay back-actor or hand	e.a.			5				
5	Rock Drill	e.a.			3				
6	Compressors	e.a.			2				
7	7m Pole back-actor or hand	e.a.			40				
8	Rock Drill	e.a.			30				
9	Compressors	e.a.			10				
10	9m Pole back-actor or hand	e.a.			5				
11	Rock Drill	e.a.			3				
12	Compressors	e.a.			2				
13	10m Pole back-actor or hand	e.a.							
14	Rock Drill	e.a.							
15	Compressors	e.a.							
16	11m Pole back-actor or hand	e.a.			10				
17	Rock Drill	e.a.			5				
18	Compressors	e.a.			5				
19	13m Pole back-actor or hand	e.a.							
20	Rock Drill	e.a.			2				
21	Compressors	e.a.							
SUB-TOTAL					167				
D	Plant poles	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	7m Wood 120-140mm tops	e.a.	80		80				
2	9m Wood 140-160mm tops	e.a.	10		10				
3	9m Wood 160-180 mm tops	e.a.							
4	10m Wood 160-180mm tops	e.a.							
5	10m Wood 180-200mm tops	e.a.							
6	11m Wood 160-180mm tops	e.a.							
7	11m Wood 180-200mm tops	e.a.	20		20				
8	12m Wood 180-200mm tops	e.a.							
9	13m Wood 180-200mm tops	e.a.	2		2				
SUB-TOTAL					112				

E	THREE PHASE	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Int ass vertical (1-10 deg)	e.a.	12		12				
2	Int ass stag vertical (0 deg)3ph	e.a.							
3	Terminal delta	e.a.							
4	T-off ass int vert	e.a.	2		2				
5	Susp ass vert (10-30 deg)	e.a.	4		4				
6	Strain ass vertical (30-90 deg)	e.a.	6		6				
7	Terminal ass vert	e.a.	2		2				
8	In-line strain vert	e.a.	2		2				
SUB-TOTAL					28				
F	MV Stays	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	1 Off conv anchor	e.a.	10		10				
2	1 Off flying stay	e.a.	2		2				
3	1 Off strut pole 12m	e.a.	6		6				
SUB-TOTAL									
G	LV Structures	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Int / susp (0-30 deg) - DDT 1100	e.a.	60		60				
2	Intermediate service	e.a.							
3	Strain (0-60 deg) - DDT 1121	e.a.	10		10				
4	Strain (60-90 deg) - DDT 1122	e.a.	10		10				
5	Terminal - DDT 1120	e.a.	20		20				
6	T-off from interm - DDT 1140	e.a.	8		8				
7	T-off from strain - DDT 1142	e.a.	3		3				
8	Cross int-int ass - DDT 1141	e.a.	2		2				
9	Cross int-strain ass - DDT 1143	e.a.	1		1				
SUB-TOTAL					114				
H	LV Stays	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	1 Off conv anchor	e.a.	45		45				
2	1 Off flying stay	e.a.	4		4				
3	1 Off strut pole 9m	e.a.	10		10				
SUB-TOTAL					59				

I	Service Boxes	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1A	1 - 4 Way box : 1 x 63 A mcb	e.a.	45		45				
2B	5 - 8 Way box : 2 x 63 A mcb	e.a.							
SUB-TOTAL									
J	Stringing	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Squirrel conductor	m							
2	Fox conductor	m	3000		3000				
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							
7	70 mm sq ABC 1-ph	m							
8	70 mm sq ABC 2-ph	m							
9	70 mm sq ABC 3-ph	m	4000		4000				
10	MV Fox full tension joint	e.a.	18		18				
11	LV joint 35 mm full tension	e.a.							
12	LV joint 70 mm full tension	e.a.	12		12				
SUB-TOTAL									
K	Transformer Installation	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
	Transformers: 22kV - Off Line								
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	ea	2		2				
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	e.a.							
SUB-TOTAL									

	LV Protection Morsdorf type fuses	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	63 A	e.a.							
2	80A Single phase (16kVA)	e.a.							
3	80A 3 Dual phase (32kVA)	e.a.							
4	80A Three phase (50kVA)	e.a.							
5	125A	e.a.							
6	160A	e.a.	6		6				
SUB-TOTAL									
L	Installation of Earthing	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	MV Earthing (Type 1 crowfoot)	e.a.	2		2				
2	LV Earthing (Type 1 crowfoot)	e.a.	6		6				
3	Bonding	e.a.	8		8				
SUB-TOTAL									
M	Pole Numbering	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	MV pole number	e.a.	22		22				
2	LV pole number	e.a.	90		90				
SUB-TOTAL									
N	Commissioning	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Test & commission trsf and MV equipment	e.a.	-	-	2				
SUB-TOTAL									

O	Other	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Link assembly (On-load) per phase	ea	2		2				
2	Link assembly (Off load) per phase	ea	2		2				
3	Drop-out fuses three phase	ea	2		2				
4	Drop-out fuses dual phase	ea	1		1				
5	Sample line /Material Board	sum	1		1				
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	Remove existing dressing	ea							
12	Disconnect existing connection	ea							
13	Reconnect existing customer to new network	ea							
14	Ant-clim device	ea	5		5				
15	Labeling of equipment	e.a.	5		5				
16	Tree felling (trunk diameter > 300mm)	ea	5,00		5				
17	Nulec Auto Recloser	ea							
SUB-TOTAL									
P	House Connections	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Underground connection (Trenches supplied by others)	ea	-		-				
2	Overhead connection	ea	110		110				
3	Supply ECU base, fixing rails and plug	ea	110		110				
4	Supply 20A ECU (internal ELPU) Split	ea	110		110				
5	Supply 60A ED (no internal ELPU)	ea	0		-				
6	Sealing of meters	ea	110		110				
7	COC certificates	ea	-		-				
8	COC Certificate ECA version	ea	-		-				
9	Supply and install additional 63A circuit breaker	ea	-		-				
10	Marketing connections	ea	-		-				
11	Capture and upload of customer data new & existing	ea	-		110				
12	GPS co-ordinates	ea	-		110				
SUB-TOTAL									

Q	Excavate and plant poles	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	5m Wood 80-100 mm tops	e.a.	40		40				
2	Rock Drill	e.a.	20		20				
3	Compressors	e.a.	10		10				
4	7m Wood 120-140 mm tops	e.a.							
5	Rock Drill	e.a.							
6	Compressors	e.a.							
7	Shackpole Dressing	e.a.	70		70				
8	Rock Drill	e.a.							
9	Compressors	e.a.							
SUB-TOTAL									
R	Conductor	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	4mm sq Airdac	m							
2	10mm sq Airdac with 2 pilot wire	m	4000		4000				
SUB-TOTAL									
S	General	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Community Liason Officer	Month	-	0,00	3				
2	Project Steering Committee	Month	-	0,00	3				
3	Payment of students	Month	-	0,00	3				
4	Provision for Live Work	e.a.	2		2				
5	Provision for CoW	Month	-	0,00	3				
SUB-TOTAL									