

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:	MG Maribe
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		Contract No.	LNLM007/2016/17

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	10000,00	-				
2	25-Ton Truck (Lowbed)	km	1000	18,00	-				
3	8-Ton Crane truck	Mth	3	7500,00	-				
4	8-Ton Crane Truck 4 X 4	Mth	3	10000,00	-				
5	2-Tonner Ldv	Mth	3	5500,00	-				
6	1-Tonner Ldv	Mth	3	3500,00	-				
7	Fuel	Mth	3	3000,00	-				
8	Site establishment	Sum	1	5000,00	-				
9	Site store & storeman	Mth	3	5000,00	-				
10	Site office	Mth	3	3000,00	-				
11	Staff food & accommodation	Mth	3	1500,00	-				
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	650,00	80				
2	9m Wood 140-160mm tops	e.a.	10	760,00	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	1 350,00	20				
8	12m Wood 180-200mm tops	e.a.							
9	13m Wood 180-200mm tops	e.a.	2	2 000,00	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	442,60	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	764,14	2				
5	Susp ass vert (10-30 deg)	e.a.	4	1 023,40	4				
6	Strain ass vertical (30-90 deg)	e.a.	6	2 049,00	6				
7	Terminal ass vert	e.a.	2	931,78	2				
8	In-line strain vert	e.a.	2	1 975,04	2				
SUB-TOTAL					28				
F	MV Stays	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	1 Off conv anchor	e.a.	10	559,58	10				
2	1 Off flying stay	e.a.	2	1 777,71	2				
3	1 Off strut pole 12m	e.a.	6	1 025,80	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	96,19	60				
2	Intermediate service	e.a.							
3	Strain (0-60 deg) - DDT 1121	e.a.	10	98,33	10				
4	Strain (60-90 deg) - DDT 1122	e.a.	10	166,21	10				
5	Terminal - DDT 1120	e.a.	20	88,81	20				
6	T-off from interm - DDT 1140	e.a.	8	180,60	8				
7	T-off from strain - DDT 1142	e.a.	3	221,56	3				
8	Cross int-int ass - DDT 1141	e.a.	2	292,39	2				
9	Cross int-strain ass - DDT 1143	e.a.	1	322,84	1				
SUB-TOTAL					114				
H	LV Stays	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	1 Off conv anchor	e.a.	45	246,52	45				
2	1 Off flying stay	e.a.	4	869,34	4				
3	1 Off strut pole 9m	e.a.	10	711,55	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	367,00	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	6,00	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	47,00	4000				
10	MV Fox full tension joint	e.a.	18	136,43	18				
11	LV joint 35 mm full tension	e.a.							
12	LV joint 70 mm full tension	e.a.	12	122,40	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	37 713,20	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	650,30	6				
SUB-TOTAL									
L	Installation of Earthing	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	MV Earthing (Type 1 crowfoot)	e.a.	2	755,54	2				
2	LV Earthing (Type 1 crowfoot)	e.a.	6	766,91	6				
3	Bonding	e.a.	8	154,24	8				
SUB-TOTAL									
M	Pole Numbering	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	MV pole number	e.a.	22	9,63	22				
2	LV pole number	e.a.	90	9,76	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									

Q	Excavate and plant poles	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	5m Wood 80-100 mm tops	e.a.	40	246,30	40				
2	Rock Drill	e.a.	20	-	20				
3	Compressors	e.a.	10	77,13	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	76,15	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	31,57	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	19 500,00	2				
5	Provision for CoW	Month	-	0,00	3				
SUB-TOTAL									