

ELECTRIFICATION OF MESOPOTAMIA VILLAGE - 100 HOUSEHOLDS CONNECTIONS (225 STANDS)

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

Total Bid Price VAT excluding	R -
Add 10% Contingency	R -
Subtotal A	R -
Add 15% VAT	R -
Total VAT Inclusive	R -

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Item	Description	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
A	Preliminaries & General								
1	Transport materials on site	Sum	1		0,00	-		0,00	
2	8-Ton Crane Truck 4 X 4	Mth	3		0,00	-		0,00	
3	2-Tonner Ldv	Mth	3		0,00	-		0,00	
4	1-Tonner Ldv	Mth	3		0,00	-		0,00	
5	Site establishment	Sum	1		0,00	-		0,00	
6	Site store & storeman	Mth	3		0,00	-		0,00	
7	Site office	Mth	3		0,00	-		0,00	
8	Staff food & accommodation	Mth	3		0,00	-		0,00	
9	Security	Mth	0,00	0,00	3		0,00		
10	Supervision	Mth	0,00	0,00	3		0,00		
11	Additional 24 Hr Security December Holidays	day	0,00	0,00	0,00		0,00	0,00	0,00
12	Health & Safety Requirements by Eskom	Sum	0,00	0,00	1		0,00		
13	Allow sum for CLO	Mth	0,00	0,00	3		0,00		
14	Eskom approved Clerk of Works	Mth	0,00	0,00	3		0,00		
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	0,00	0,00	1,7		0,00		
2	LV Pegging - excl bush clearing and tree felling	km	0,00	0,00	5		0,00		
3	As-Built drawing Survey by Eskom approved Surveyor	km	0,00	0,00	6,7		0,00		
SUB-TOTAL							0,00		
C	Digging Holes	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	LV stay back-actor or hand	e.a.		0,00	50				
2	Rock Drill	e.a.		0,00	50				
3	Compressors	e.a.		0,00	10				
4	MV stay back-actor or hand	e.a.		0,00	15				
5	Rock Drill	e.a.		0,00	15				
6	Compressors	e.a.		0,00	10				
7	7m Pole back-actor or hand	e.a.		0,00	45				
8	Rock Drill	e.a.		0,00	55				
9	Compressors	e.a.		0,00	15				
10	9m Pole back-actor or hand	e.a.		0,00	20				
11	Rock Drill	e.a.		0,00	20				
12	Compressors	e.a.		0,00	17				
13	10m Pole back-actor or hand	e.a.		0,00	0	0,00	0,00	0,00	0,00
14	Rock Drill	e.a.		0,00	0	0,00	0,00	0,00	0,00
15	Compressors	e.a.		0,00	0	0,00	0,00	0,00	0,00
16	11m Pole back-actor or hand	e.a.		0,00	0	0,00	0,00	0,00	0,00
17	Rock Drill	e.a.		0,00	20		0,00		
18	Compressors	e.a.		0,00	0	0,00	0,00	0,00	0,00
19	13m Pole back-actor or hand	e.a.		0,00	0	0,00	0,00	0,00	0,00
20	Rock Drill	e.a.		0,00	1		0,00		
21	Compressors	e.a.		0,00	0	0,00	0,00	0,00	0,00
SUB-TOTAL					343		250,00		
D	Plant poles	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	7m Wood 120-140mm tops	e.a.	115		115				
2	9m Wood 140-160mm tops	e.a.	57		57				
3	9m Wood 160-180 mm tops	e.a.	0	0,00	0	0,00	0,00	0,00	0,00
4	10m Wood 160-180mm tops	e.a.	0	0,00	0	0,00	0,00	0,00	0,00
5	10m Wood 180-200mm tops	e.a.	0	0,00	0	0,00	0,00	0,00	0,00
6	11m Wood 160-180mm tops	e.a.	14		14				
7	11m Wood 180-200mm tops	e.a.	6		6				
8	12m Wood 180-200mm tops	e.a.	0	0,00	0	0,00	0,00	0,00	0,00
9	13m Wood 180-200mm tops	e.a.	1		1				
SUB-TOTAL					193				

E	THREE PHASE	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Int ass delta 0 deg	e.a.	0		0		0,00	0,00	0,00
2	Int ass vertical (1-10 deg)	e.a.	12		12				
3	Int ass stag vertical (0 deg)3ph	e.a.	7		7				
4	Strain ass delta (0-30 deg)	e.a.	0	0,00	0	0,00	0,00	0,00	0,00
5	Strain ass delta (30-90 deg)	e.a.	0	0,00	0	0,00	0,00	0,00	0,00
6	Terminal delta	e.a.	0	0,00	0	0,00	0,00	0,00	0,00
7	T-off ass int-delta	e.a.	0	0,00	0	0,00	0,00	0,00	0,00
8	T-off ass str-delta	e.a.	0	0,00	0	0,00	0,00	0,00	0,00
9	T-off ass int vert	e.a.	3		3				
10	Susp ass vert (10-30 deg)	e.a.	2		2				
11	Strain ass vertical (30-90 deg)	e.a.	6		6				
12	Terminal ass vert	e.a.	5		5				
13	In-line strain vert	e.a.	0	0,00	0	0,00	0,00	0,00	0,00
SUB-TOTAL					35				
F	MV Stays	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	1 Off conv anchor	e.a.	40		40				
2	1 Off flying stay	e.a.	0	-	0	-	0,00	0,00	0,00
3	1 Off strut pole 12m	e.a.	8		8				
SUB-TOTAL									
G	LV Structures	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Int / susp (0-30 deg) - DDT 1100	e.a.	72		72				
2	Intermediate service	e.a.	0	0,00	0	-	0,00	0,00	0,00
3	Strain (0-60 deg) - DDT 1121	e.a.	28		28				
4	Strain (60-90 deg) - DDT 1122	e.a.	28		28				
5	Terminal - DDT 1120	e.a.	25		25				
6	T-off from interm - DDT 1140	e.a.	12		12				
7	T-off from strain - DDT 1142	e.a.	0	0,00	0	-	0,00	0,00	0,00
8	Cross int-int ass - DDT 1141	e.a.	2		2				
9	Cross int-strain ass - DDT 1143	e.a.	0		0				
SUB-TOTAL					167				
H	LV Stays	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	1 Off conv anchor	e.a.	87		87				
2	1 Off flying stay	e.a.	0	-	0	-	0,00	0,00	0,00
3	1 Off strut pole 10m	e.a.	12		12				
SUB-TOTAL					99				
I	Service Boxes	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1A	1 - 4 Way box : 1 x 63 A mcb	e.a.	91		91				
2B	5 - 8 Way box : 2 x 63 A mcb	e.a.	0		0				
SUB-TOTAL									
J	Stringing	Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Squirrel conductor	m	0		0		0,00	0,00	0,00
2	Fox conductor	m	5800		5800				
3	Mink conductor	m	0	-	0		0,00	0,00	0,00
4	35 mm sq ABC 1-ph	m	0	-	0	0,00	0,00	0,00	0,00
5	35 mm sq ABC 2- ph	m	0	-	0	0,00	0,00	0,00	0,00
6	35 mm sq ABC 3-ph	m	4500		4500				
7	70 mm sq ABC 1-ph	m	0	-	0		0,00	0,00	0,00
8	70 mm sq ABC 2-ph	m	0	-	0		0,00	0,00	0,00
9	70 mm sq ABC 3-ph	m	1500		1500				
10	MV Mink full tension joint	e.a.	0	-	0		0,00	0,00	0,00
11	LV joint 35 mm full tension	e.a.	0	-	0	0,00	0,00	0,00	0,00
12	LV joint 70 mm full tension	e.a.	5		5				
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	0		0		0,00	0,00	0,00
2	200kVA x 3 Ph (1 off) - new	ea	0		0		0,00	0,00	0,00
3	100kVA x 3 Ph (2 off) - relocate	ea	0		0		0,00	0,00	0,00
4	100kVA x 3 Ph (2 off) - new	ea	4		4				
5	50kVA x 3 Ph (0 off) - relocate	ea	0		0		0,00	0,00	0,00
6	50kVA x 3 Ph (0 off) - new	ea	0		0	-	0,00	0,00	0,00
7	32kVA x 2 Ph (0 off) - relocate	ea	0		0		0,00	0,00	0,00
8	32kVA x 2 Ph (0 off) - new	ea	1		1				
9	25kVA x 3 Ph (0 off) - relocate	ea	0		0		0,00	0,00	0,00
10	25kVA x 3 Ph (0 off) - new	ea	0		0		0,00	0,00	0,00
11	16kVA x 1 Ph (1 off) - relocate	ea	0		0		0,00	0,00	0,00
12	16kVA x 1 Ph (1 off) - new	e.a.	0		0	-	0,00	0,00	0,00
SUB-TOTAL									

LV Protection Morsdorf type fuses		Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	63 A	e.a.	0	-	0	-	0,00	0,00	0,00
2	80A Single phase (16kVA)	e.a.	0	-	0	-	0,00	0,00	0,00
3	80A 3 Dual phase (32kVA)	e.a.	1		1				
4	80A Three phase (50kVA)	e.a.	0	-	0	-	0,00	0,00	0,00
5	125A	e.a.	0	-	0	-	0,00	0,00	0,00
6	160A	e.a.	4		4				
SUB-TOTAL									
L Installation of Earthing		Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	MV Earthing (Type 1 crowfoot)	e.a.	5		5				
2	LV Earthing (Type 1 crowfoot)	e.a.	11		11				
3	Bonding	e.a.	16		16				
SUB-TOTAL									
M Pole Numbering		Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	MV pole number	e.a.	21		21				
2	LV pole number	e.a.	172		172				
SUB-TOTAL									
N Commissioning		Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Test & commission trst and MV equipment	e.a.	0	0,00	5		0,00		
SUB-TOTAL									
O Other		Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Link assembly (On-load) per phase	ea	0		0		0,00	0,00	0,00
2	Link assembly (Off load) per phase	ea	14		14				
3	Drop-out fuses three phase	ea	5		5				
4	Drop-out fuses dual phase	ea	0	-	0	0,00	0,00	0,00	0,00
5	Sample line /Material Board	sum	1		1				
6	CT/VT unit, incl meter box, links	ea	0	-	0		0,00	0,00	0,00
7	Remove existing poles	ea	0	-	0		0,00	0,00	0,00
8	Remove existing conductor	m	0	-	0		0,00	0,00	0,00
9	Remove existing stay	ea	0	-	0		0,00	0,00	0,00
10	Remove existing transformer	ea	0	-	0		0,00	0,00	0,00
11	Remove existing dressing	ea	0	-	0		0,00	0,00	0,00
12	Disconnect existing connection	ea	0	-	0		0,00	0,00	0,00
13	Reconnect existing customer to new network	ea	0	-	0		0,00	0,00	0,00
14	Ant-clim device	ea	15		15				
15	Labeling of equipment	e.a.	5		5				
16	Tree felling (trunk diameter > 300mm)	ea	0	-	0		0,00	0,00	0,00
17	Nulec Auto Recloser	ea	0	-	0		0,00	0,00	0,00
SUB-TOTAL									
P House Connections		Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Underground connection (1 trenches supplied by others)	ea	0		0				
2	Overhead connection	ea	100		100				
3	Supply ECU base, fixing rails and plug	ea	100		100				
4	Supply 20A ECU (internal ELPU) c/w Split meter	ea	100		100				
5	Supply 60A ED (no internal ELPU) c/w Split meter	ea	0		0		0,00	0,00	0,00
6	Sealing of meters	ea	100		100				
7	COC certificates	ea	0		0		0,00	0,00	0,00
8	COC Certificate ECA version	ea	0		0		0,00	0,00	0,00
9	Supply and install additional 63A circuit breaker	ea	0		0		0,00	0,00	0,00
10	Marketing connections	ea					0,00	0,00	0,00
11	Capture and upload of customer data new & existing	ea	0		100		0,00	0,00	
12	GPS co-ordinates	ea	0		100		0,00		
SUB-TOTAL									
Q Excavate and plant poles		Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	5m Wood 80-100 mm tops	e.a.	50		50				
2	Rock Drill	e.a.	40		40				
3	Compressors	e.a.	0		0		0,00	0,00	0,00
4	7m Wood 120-140 mm tops	e.a.	0		0		0,00	0,00	0,00
5	Rock Drill	e.a.	0		0		0,00	0,00	0,00
6	Compressors	e.a.	0		0		0,00	0,00	0,00
7	Shackpole Dressing	e.a.	90		90				
8	Rock Drill	e.a.	0		0		0,00	0,00	0,00
9	Compressors	e.a.	0		0		0,00	0,00	0,00
SUB-TOTAL									
R Conductor		Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	4mm sq Airdac	m	0		0				
2	10mm sq Airdac with 2 pilot wire	m	3200		3200				
SUB-TOTAL									
S General		Unit	MQty	MRate	LQty	LRate	Mtotal	Ltotal	Total
1	Project Steering Committee	Month	0		4				
2	Provision for Live Work	e.a.	1		3				
3	COVID-19 Compliance	sum	0		1		0,00		
4	Allowance for survey	sum	1		1	0,00		0,00	
SUB-TOTAL									
SUB-TOTAL									
SUB-TOTAL									
SUB-TOTAL									