

THE ELECTRIFICATION OF KWAZA

SCHEDULE OF QUANTITIES

ITEM	DESCRIPTION	QUAN- TITY	MATERIAL RATE	MATERIAL TOTAL	LABOUR RATE	LABOUR TOTAL	TOTAL
	LOW VOLTAGE 420 VOLT NETWORK						
1	WOODEN POLES (SABS 754) 9m SABS certified, treated wooden poles min top diameter 160mm, drilled	17					
2	STAYS ON 9m POLES Complete)						
2.1	With one isolator and 350mm base plate	10					
2.2	Strut stay pole included	0					
2.3	Flying stay	0					
2.4	Short stay	0					
3	POLE AND STAY EXCAVATIONS (Backfilling and compaction-complete)						
3.1	Hand excavated 9m poles 1,5m deep	17					
3.2	Hand excavated normal stays 1,5m deep	10					
3.3	Hand excavated strut stays 1,5m deep	0					
3.4	Drilled holes 1,5m deep for poles	0					
3.4	Bags of cement	0					
4	DRESSING OF 9m POLES						
4.1	Strain assembly	18					
4.2	Suspension assembly	28					
4.3	UV resistant labeling 300mm x 100mm on Runs	8					
4.4	12mm Stainless steel bandit strapping	100%					
4.5	Cable ties	100%					
		0					
5	LT OVERHEAD BUNDLE CONDUCTOR (According to SABS 1418)						
5.1	3 x 35mm + 54.6mm bare neutral + 25mm LL	1372					
5.2	3 x 50mm + 54.6mm bare neutral + 25mm LL	0					
5.3	3 x 70mm + 54.6mm bare neutral + 25mm LL	0					
5.4	3 x 25mm + 54.6mm bare neutral + 25mm LL	0					

ITEM	DESCRIPTION	QUAN- TITY	MATERIAL RATE	MATERIAL TOTAL	LABOUR RATE	LABOUR TOTAL	TOTAL
6	LT ABC TERMINATIONS The termination and connection of ABC to Transformer LT/LV cubicles						
6.1	3 x 35mm + 54.6mm bare neutral + 25mm LL	3					
6.2	3 x 50mm + 54.6mm bare neutral + 25mm LL	0					
6.3	3 x 70mm + 54.6mm bare neutral + 25mm LL	0					
6.4	3 x 25mm + 54.6mm bare neutral + 25mm LL	0					
6.5	End caps (35mm-95mm) complete (Dead ends)	18					
7	LT OHBC MIDSPAN JOINTS 3 Phase						
7.1	3 x 35mm + 54.6mm bare neutral + 25mm LL	3					
7.2	3 x 50mm + 54.6mm bare neutral + 25mm LL	0					
7.3	3 x 70mm + 54.6mm bare neutral + 25mm LL	0					
7.4	3 x 95mm + 54.6mm bare neutral + 25mm LL	0					
8	LT PIERCE CONNECTORS ON OHBC 3 Phase						
8.1	95mm to 70mm T-off						
8.2	70mm to 70mm T-off						
8.3	70mm to 50mm T-off	0					
8.4	50mm to 50mm T-off	0					
8.5	50mm to 35mm T-off	0					
8.6	35mm to 35mm T-off	7					
8.7	Supply to LT cubicles - Phase + neutral + earth						
8.71	95mm to 16mm Cu to supply consumer LT enclosure	0					
8.72	70mm to 16mm Cu to supply consumer LT enclosure	0					
8.73	50mm to 16mm Cu to supply consumer LT enclosure	0					
10.5	COC for each pole mounted kiosks	40					
8.74	35mm to 16mm Cu to supply consumer LT enclosure	0					

ITEM	DESCRIPTION	QUAN- TITY	MATERIAL RATE	MATERIAL TOTAL	LABOUR RATE	LABOUR TOTAL	TOTAL
9	3CR12 POLE MOUNTED KIOSKS Equipped with 60Amp, 5kA curve 1 circuit breaker per consumer, with cover plate, pad lockable, labeled with stand numbers - single UV -protected phase incoming conductors 16mm with sealing glands and 2m tail - neutral bar, earth stud, neutral and earth connected via 16mm Cu conductor						
9.1	6-Way	0					
9.2	4-Way	25					
9.3	3-Way	0					
9.4	2-Way	15					
10	EARTHING OF LT NETWORK Neutral of transformer earthed at first LT pole + each T-off + end of each run.	0					
10.1	35mm Stay wire	200					
10.2	1.8m Earth rods, driven into ground	17					
10.3	Terminations of 35mm stay wire	13					
10.4	Galvanized kick pipe 25mm, 7m	0					
10.5	Bandit straps etc.	100%					
SCHEDULE SUMMARY							TOTAL
LOW VOLTAGE NETWORK							
SCHEDULE F CONTINGENCIES An amount only to be spent on instruction of the client in writing when necessary							R10,000.00
SUB TOTAL							R10,000.00
VAT 14%							
TOTAL - VAT INCLUDED							