

Cost Estimate - Live Work Maintenance 44-132kV						
Item	Ref No	Description	Eskom Rates			
			Unit	Qty	Rate	Amount
<b>1 Preliminary &amp; General</b>						
1.1		Site Establishment	Sum	1		R -
1.2		Overheads for project (This includes paperwork, office overheads, telephone calls etc) (% of labour cost)	%		3%	R -
1.3		Safety allowance for project including contract specific risk assessment (% of labour cost)	%		5%	R -
1.4		Sleeping out allowance in excess of 100km return trip (to eliminate transport & for safety)	p/p/per day	90		R -
<b>Labour for Emergencies</b>						
1.5		Person to Perform (PTP)	day	20		R -
1.6		Person in Charge (PIC)	day	20		R -
1.7		Callout on standby	day	20		R -
1.8		Total callout per call not on standby	day	20		R -
						R -
<b>2 Digging Holes for Poles or Stays</b>						
2.1		Soft Soil	ea	200		R -
2.2		Hard (Auger drill) * PC to approve prior using an Auger drill)	ea	200		R -
2.3		Rock drill	ea	200		R -
2.4		Jack Hammer Hole Complete (Must be surported with a site instruction)	ea	100		R -
2.5		Compressor Complete/day (Must be surported by site instruction)	day	100		R -
						R -
<b>3 Wooden / Concrete Poles / Steel Poles</b>						
3.1		Pole top inspection	ea	200		R -
<b>Pole Replacements including all angles deviations below</b>						
3.21		Staggerd & Verticals (intermediate, no deviations)	structure	150		R -
3.22		Delta (intermediate, no deviations)	structure	150		R -
3.23		Delta / Steel & wooden X-arms (Strains, terminals - all angle deviations)	structure	150		R -
3.24		H-poles (intermediate, no deviations)	structure	150		R -
3.25		H-poles (strains with all angle deviations and terminals)	structure	150		R -
3.26		5-Pole wooden configuration (complete)	structure	150		R -
						R -
<b>4 Stringing</b>						
4.1		Stringing of HV Bare conductor per phase	m	1200		R -
						R -
<b>5 Miscellaneous (To be claimed only as single items and not to make up a set/ structure)</b>						
5.1	240-129231821	Intermediate insulators (44kV - 66kV)	ea	300		R -
5.2	1710000993	Strain insulators (44kV - 66kV)	ea	300		R -
5.3	240-134719151	Intermediate insulators (88kV - 132kV)	ea	300		R -
5.4	1710000993	Strain insulators (88kV - 132kV)	ea	300		R -
5.5		Replacement on one leg "H" pole structure	ea	200		R -
5.6		Replace cross arm 2.4m - 4.5m (Remove and Replace)	ea	200		R -
5.7		Isolator assembly installation (complete unit)	ea	300		R -
5.8	240-134638814	Repair conductors at midspan and jumpers 66-132kV	ea	300		R -
5.9		Replacement of all types of insulators	ea	300		R -
5.10	240-170000503	Installation or replacement of vibration dampers	ea	200		R -
5.11	240-134719127	Installation/replacement of bird protectors stick and bare hand	ea	200		R -
5.12	240-134719141	Bonding of cross arms on 66-132kV H poles and 5 poles	ea	300		R -
5.13		Remove arching horns	ea	200		R -
5.14		Strut / Stay Wire	ea	300		R -
5.15		Conductor Midspan joint per phase	ea	300		R -
5.16		Replace missing or rotten split pin	ea	100		R -
5.17		Sagging repair per span per phase	ea	300		R -
5.18	240-42025805	Stringing conductors over energised lines 44kV to 132kV using Live Work methods	ea	300		R -
5.19		Stringing new lines over energised line (per phase)	ea	300		R -
5.20		Construction of closing span	ea	300		R -
5.21	240-134719105	Stubbing damaged /rotten poles on 132kV 5 pole structure	ea	300		R -
5.22	DMN34-1810	Spray washing of insulators	ea	100		R -
5.23	240-1710000317	Making and breaking of jumpers	ea	300		R -
5.24		Installation/replacement of bird protectors	ea	200		R -
5.25		Removal of bird nests	ea	80		R -
5.26	DMN34-1681	Installation of aircraft warning spheres	ea	200		R -
5.27	240-170001145	Remove, re-string and join damaged earth wire	ea	300		R -
		Installation and replacement of stay wire	ea	300		R -
5.28		Outage cancellation when on site	day	30		R -
						R -
<b>6 Transport</b>						
6.1		Construction regulation - Transport of personnels to site in safe vehicle	km	1000		R -
6.2		LDV	km	1000		R -
6.3		Truck 5-8 Ton	km	1000		R -
6.4		5 - 8 Ton with crane	km	1000		R -
6.5		9 - 14 Ton	km	1000		R -
6.6		9 - 14 Ton with crane	km	800		R -
6.7		Live Line Truck/Drill truck	km	800		R -
						R -
<b>7 Miscellaneous (supply material – as per site instruction)</b>						
7.1		Actual cost plus 5% handling fee (when not available in store)	%		5%	R -
						R -

**44 - 132kV Live Work Maintenance**

SUMMARY OF BILL OF QUANTITIES				
Item	Description	Qty	Price	Total Price
1	P&G's		R -	R -
2	Digging Holes for Poles or Stays		R -	R -
3	Wooden / Concrete Poles / Steel Poles		R -	R -
4	Stringing		R -	R -
5	Miscellaneous (To be claimed only as single items and not to make up a set/ structure)		R -	R -
6	Transport		R -	R -
7	Miscellaneous (supply material – as per site instruction)		R -	R -
			<b>Total of the prices Excluding VAT</b>	<b>R -</b>
			<b>Value Added Tax @ 15%</b>	<b>R -</b>
			<b>Total of the prices including VAT</b>	<b>R -</b>

**Name & Surname:** Liliso Mabongo

**Designation:** Officer Quantity Surveyor

**Signature:** 

**Date:** 23.03.2026