


**Bill of Quantities**
**Supply and installation of 212.09 mm<sup>2</sup> ACSR phase wires, insulators and 50mm<sup>2</sup> ACSR earth wires for 44kV transmission line**

<u>Schedule of quantities and Rates / Price (s)</u>					
Item No.	Description	Unit	Qty	Rate/unit (Excl VAT)	Total Price (Excl VAT)
Between Bosman Train Station and Mitchell Relay Room					
1.	Dismantling and removal of existing phase wires, insulators and all the associated works.	Sum	1	R.....	R.....
2.	Supply and installation of 212.09 mm <sup>2</sup> (18/1/3.77) ACSR phase wires along with jumpers, clamps and all the associated works. The distance between the two make-off towers is 2500m.	M	7500	R.....	R.....
3.	Supply and installation of 50mm <sup>2</sup> (6/1/3.35 ACSR) earth wires and all the associated works. This shall include the two steel galvanized brackets on top of tower 0/882 and 0/762 to hold the two earth wires.	M	250	R.....	R.....
4.	Supply and installation of 44kV composite suspension insulators and all the associated works, e.g., suspension clamps.	Each	6	R.....	R.....
5.	Supply and installation of 44kV composite tension insulators at make-off towers and all the associated works, e.g., tension clamps.	Each	6	R.....	R.....
6.	Transporting of removed or dismantled material from site to Rebecca Depot	KM	10	R.....	R.....
Pretoria Traction Substation					
7.	Dismantling and removal of existing phase wires and all the associated works.	Sum	1	R.....	R.....
8.	Supply and installation of 212.09 mm <sup>2</sup> (18/1/3.77) ACSR phase wires along with jumpers, clamps and all the associated works. The distance between the two towers is 30m	M	90	R.....	R.....
9.	Supply and installation of 50mm <sup>2</sup> (6/1/3.35 ACSR) earth wires and all the associated works.	M	140	R.....	R.....
10.	Supply and installation of 44kV composite tension insulators and all the associated works, e.g., tension clamps	Each	6	R.....	R.....



11.	Supply and installation of 44kV composite suspension insulators and all the associated works, e.g., suspension clamps.	Each	4	R.....	R.....
12.	Transporting of removed or dismantled material from site to Rebecca Depot	KM	10	R.....	R.....
13.	Between Hercules substation and Technikon rand train station				
14.	Dismantling and removal of existing phase wires and all the associated works.	Sum	1	R.....	R.....
15.	Supply and installation of 212.09 mm <sup>2</sup> (18/1/3.77) ACSR phase wires along with jumpers, clamps and all the associated works. The distance between Hercules substation and Technikon Rand train station is 1160m. Mast location 5/325.	M	3480	R.....	R.....
16.	Supply and installation of 44kV composite tension insulators and all the associated works e.g., tension clamps.	Each	3	R.....	R.....
17.	Supply and installation of 44kV composite suspension insulators and all the associated works, e.g., suspension clamps.	Each	6	R.....	R.....
18.	Supply and installation of the 44kV MOD together with the control panel and all the associated works (control cable, jumpers, clamps, trenching, testing, and commissioning etc.	Each	1	R.....	R.....
19.	Transporting of removed or dismantled material from site to Rebecca Depot	KM	10	R.....	R.....
20.	Between Electro train station and Cordelfos substation station				
21.	Dismantling and removal of existing phase wires and all the associated works.	Sum	1	R.....	R.....
22.	Supply and installation of 212.09 mm <sup>2</sup> (18/1/3.77) ACSR phase wires along with jumpers, clamps and all the associated works. The distance between Electro station (from 4/710 mast location to mast location 5/325) and Cordelfos substation is 1187m.	M	3600	R.....	R.....
23.	Supply and installation of 44kV composite tension insulators and all the associated works e.g., tension clamps.	Each	12	R.....	R.....
24.	Supply and installation of 44kV composite suspension insulators and all the associated works, e.g., suspension clamps.	Each	6	R.....	R.....



25.	Transporting of removed or dismantled material from site to Rebecca Depot	KM	10	R.....	R.....
26.	between Barracks train station and Pretoria West train station / Mitchell relay room				
27.	Dismantling and removal of existing phase wires and all the associated works.	Sum	1	R.....	R.....
28.	Supply and installation of 212.09 mm <sup>2</sup> (18/1/3.77) ACSR phase wires along with jumpers, clamps and all the associated works. The distance between the two towers is 1500m. (From mast location 1/221 to 2/532)	M	4500m	R.....	R.....
29.	Transporting of removed or dismantled material from site to Rebecca Depot.	KM	10	R.....	R.....
30.	Between Golf train station and Schutterstraat train station				
31.	Dismantling and removal of existing phase wires and all the associated works.	Sum	1	R.....	R.....
32.	Supply and installation of 212.09 mm <sup>2</sup> (18/1/3.77) ACSR phase wires along with jumpers, clamps and all the associated works. The distance between the two towers is 460m. (From mast location 4/351 to 4/245)	M	1380m	R.....	R.....
33.	Transporting of removed or dismantled material from site to Rebecca Depot.	KM	10	R.....	R.....
34.	Preliminary and generals				
35.	Preliminary and Generals.  N.B. Please provide a separate breakdown of all the items with the amount per item that you have included to arrive at your quotation here.	Sum	1	R.....	R.....
	<b>Total Excluding VAT</b>			R.....	
	<b>VAT @ 15%</b>			R.....	
	<b>GRAND TOTAL</b>			R.....	