

C2.2. PRICING SCHEDULES / BILLS OF QUANTITIES (BOQ)

Item No	Description	Minimum threshold for Local content	Unit of measure	Quantity	Total cost
1	Locate and identify the size and termination/end point, of the existing medium voltage (MV) 11kV supply cable, feeding from the Eskom substation to the Spiral Mill Incomer.		Item	Item	
2	Supply and install a new 70mm ² x 3 core medium voltage (MV) 11kV XLPE cable from the Spiral Mill Incomer cable, to the origin of the overhead line, situated to the South of the Emhlangeni Pipe Fabrication storage facility.	90%	Item	Item	
3	Supply and install a transition joint between the Spiral Mill Incomer cable and the cable feeding the origin of the overhead line. (95mm ² x 3 core to 70mm ² x 3 core)	90%	Item	Item	
4	Supply and install an outdoor 70mm ² x 3 core, MV cable termination, for the cable end at the start of the overhead line.	90%	Item	Item	
5	Test and replace the fuse links and damaged/faulty insulators, on the pole where the overhead line originates/starts.		Item	Item	
6	Design, supply and install a new overhead line conductor, to replace the damaged middle conductor, from the Emhlangeni Pipe Fabrication Plant side to opposite side of Klip River. The new conductor to be joined to existing conductor.		Item	Item	

7	Inspect all insulators, poles, conductors, fuse links, and replace as required.		Item	Item	
8	Design, supply, install and commission two new 50kVA, oil filled 11kV/415V, Dyn11 pole mounted transformers, situated at the Stores as well as the Dairy.	80%	Item	2	
9	Allow for cable trenching to Rand Water's specification.		Item	Item	
10	Supply and install concrete cable route markers, spaced 20m apart and buried a minimum of 300mm below NGL (normal ground level). The cable route markers (figure 1) shall include engraved aluminum labels describing cable type and showing cable direction.		Item	Item	
11	Re-tape medium voltage and low voltage connections on transformer situated at farmhouses		Item	Item	
12	Test all MV cables, including cable joints and terminations, utilizing a Very Low Frequency (VLF) pressure testing unit only.		Item	Item	
13	Test the entire overhead line installation, up to and including the last termination point.		Item	Item	
14	Re-tension sagging overhead line conductors at Klip River crossing and elsewhere, as required		Item	Item	
15	Test low voltage cabling to Stores, Dairy, Rand Water houses (2 off) and office building.		Item	Item	
16	Replace stolen equipment and circuit breakers in office building distribution board.		Item	Item	

17	Submit comprehensive test reports and certify the installation safe for energizing and dated photographic evidence for all executed works		Item	Item	
18	Compilation of SHE File for approval		Item	Item	
SUB TOTAL					
VAT					
TOTAL					