

Maraisburg Traction H-frame

MARAISBURG 6.6kV AC H-FRAME (Traction Substation Auxiliary)					
BILL OF QUANTITIES					
CIVIL AND ELECTRICAL WORKS					
A bidder shall refer to the Project specification for detailed information per item					
Item	Description	Unit	Quantity	Rate	Amount
1.0	50kVA, 6.6kV/400V DISTRIBUTION TRANSFORMER				
1.1	Supply and install a 50kVA, 6.6kV/400V, Dyn11, 3-phase AC, 50Hz, stepdown Distribution Transformer complete for the outdoor yard.	Each	1		
1.2	Supply and install 400V, ratio 1:1 isolation transformer for auxillary power supply	Each	1		
2.0	DROP OUT FUSES				
2.1	Design, supply and install a 6.6kV Drop-Out Fuses for outdoor H - frame complete.	Each	3		
2.2	Design, supply and install lightning protection system complete	sum	1		
3.0	3 POLE CIRCUIT BREAKER 100AMP				
3.1	Design, supply and install a 400V, 100Amp, 3 Pole Circuit Breaker with withdrawable complete	Each	1		
4.0	LOW AND MEDIUM VOLTAGE CABLES				
4.1	Supply and install low voltage cables PVC,PVC. SWA, PVC multicore cables between all the indoor and outdoor equipment . Allow to terminate all the cables onto equipment. Rate to include compression glands, and any other accessories.	m	sum		
5.0	POLE-MOUNTED METAL ELECTRICAL BOX				
5.1	Supply and install a Pole Mounted Box IP65 Rated Orange Metal to Be Supplied With Rail Mast Mounting And Be Lockable complete.	Each	1		
TOTAL FOR BILL OF QUANTITIES CARRIED TO THE SUMMARY OF PRICES					