

THE ELECTRIFICATION OF DOORNKOP

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 | 9 | | | | | |
| 2 | STAYS ON 9m POLES Complete) | | | | | | |
| 2.1 | With one isolator and 350mm base plate | 9 | | | | | |
| 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 | 0 | | | | | |
| 3.2 | Hand excavated normal stays 1,5m deep | 0 | | | | | |
| 3.3 | Hand excavated strut stays 1,5m deep | 0 | | | | | |
| 3.4 | Drilled holes 1,5m deep for poles | 14 | | | | | |
| 3.4 | Bags of cement | 0 | | | | | |
| 4 | DRESSING OF 9m POLES | | | | | | |
| 4.1 | Strain assembly | 16 | | | | | |
| 4.2 | Suspension assembly | 16 | | | | | |
| 4.3 | UV resistant labeling 300mm x 100mm on Runs | 3 | | | | | |
| 4.4 | 12mm Stainless steel bandit strapping | 100% | | | | | |
| 4.5 | Cable ties | 100% | | | | | |
| 5 | LT OVERHEAD BUNDLE CONDUCTOR (According to SABS 1418) | | | | | | |
| 5.1 | 3 x 35mm + 54.6mm bare neutral + 25mm LL | 859 | | | | | |
| 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 | | | | | |

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| 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 | 1 | | | | | |
| 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) | 7 | | | | | |
| 7 | LT OHBC MIDSPAN JOINTS 3 Phase | | | | | | |
| 7.1 | 3 x 35mm + 54.6mm bare neutral + 25mm LL | 1 | | | | | |
| 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 | 3 | | | | | |
| 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 | | | | | |
| 8.74 | COC for each pole mounted kiosks | 19 | | | | | |
| 8.75 | 35mm to 16mm Cu to supply consumer LT enclosure | 19 | | | | | |

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| 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 | 16 | | | | | |
| 9.3 | 3-Way | 0 | | | | | |
| 9.4 | 2-Way | 3 | | | | | |
| 10 | EARTHING OF LT NETWORK Neutral of transformer earthed at first LT pole + each T-off + end of each run. | 4 | | | | | |
| 10.1 | 35mm Stay wire | 60 | | | | | |
| 10.2 | 1.8m Earth rods, driven into ground | 4 | | | | | |
| 10.3 | Terminations of 35mm stay wire | 4 | | | | | |
| 10.4 | Galvanized kick pipe 25mm, 7m | 4 | | | | | |
| 10.5 | Bandit straps etc. | 10% | | | | | |
| SUB TOTAL | | | | | | | |
| 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 | | | | | | | |