



| Item No | | Unit | Rate |
|------------|--|------|----------|
| | <u>BILL No 1</u> | | |
| | <u>GENERAL REPAIRS</u> | | |
| | <u>EARTHWORKS</u> | | |
| | <u>ORDINARY EXCAVATION, FILLING, ETC.</u> | | |
| | <u>Excavation in earth not exceeding 1m deep for :</u> | | |
| 1 | Trenches and holes | m3 | 195.91 |
| | <u>Excavation in earth exceeding 1m deep for :</u> | | |
| 2 | Trenches and holes | m3 | 211.94 |
| | <u>Extra over trench and hole excavations in earth for excavation in :</u> | | |
| 3 | Soft rock (the use of jack hammers is necessary) | m3 | 541.13 |
| 4 | Hard rock (blasting is necessary) | m3 | 901.37 |
| | <u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density in layers not exceeding 150mm thick :</u> | | |
| 5 | Backfilling to trenches, holes, etc. | m3 | 119.41 |
| | <u>CONCRETE BASES, ETC.</u> | | |
| | <u>Concrete class 20MPa/19mm in :</u> | | |
| 6 | Base size 1 000mm x 1 000mm x 500mm deep to support pole not exceeding 3 metres high including all necessary excavation, casing, etc. | No | 1 009.59 |
| 7 | Base size 1 000mm x 1 000mm x 500mm deep to support pole not exceeding 6 metres high including all necessary excavation, casing, etc. | No | 1 096.43 |
| 8 | Base size 1 000mm x 1 000mm x 500mm deep to support pole not exceeding 9 metres high including all necessary excavation, casing, etc. | No | 1 203.14 |
| | Bill No. 1 GENERAL REPAIRS | | |
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| | <u>Cutting through surface beds, etc. :</u> | | |
| 9 | Cut through 100mm concrete surface bed 500mm wide and later make good filling, apply soil insecticide and make good damp proof membrane and concrete surface bed | m | 339.72 |
| | <u>REPAIRS TO EXISTING PLASTERED SURFACES</u> | | |
| | <u>One coat external cement plaster wood floated smooth :</u> | | |
| 10 | Hack off external plaster not exceeding 100mm wide and replaster and repaint to match existing | m | 71.37 |
| | <u>One coat internal compo plaster steel trowelled smooth :</u> | | |
| 11 | Hack off internal plaster not exceeding 100mm wide and replaster and repaint to match existing | m | 79.69 |
| | <u>REPAIRS TO FLOOR COVERINGS</u> | | |
| 12 | Replace tiles in repairs in isolated areas with new 300mm x 300mm x 2.5mm semi-flexible vinyl tiles fixed with adhesive including preparation | m2 | 469.46 |
| 13 | Replace tiles in repairs in isolated areas with new 300mm x 300mm x 2mm fully flexible vinyl tiles fixed with adhesive including preparation | m2 | 489.62 |
| 14 | Replace sheeting in repairs in isolated areas with new 2mm fully flexible vinyl sheeting with welded joints fixed with adhesive including preparation | m2 | 544.58 |
| 15 | Replace sheeting in repairs in isolated areas with new 3.5mm heavy duty embossed fully flexible vinyl sheeting with welded joints fixed with adhesive including preparation | m2 | 584.53 |
| 16 | Replace tiles in repairs in isolated areas with new 608mm x 608mm x 2mm electrostatic conductive vinyl tiles fixed with adhesive including preparation | m2 | 645.52 |
| 17 | Replace sheeting in repairs in isolated areas with new 2.5mm "Marmoleum" fully flexible linoleum floor sheeting with welded joints fixed with adhesive including preparation | m2 | 622.30 |
| 18 | Replace tiles in repairs in isolated areas with new 500mm x 500mm x 8mm "Florpoint" heavy duty carpet tiles fixed with adhesive including preparation | m2 | 609.15 |
| 19 | Replace carpeting in repairs in isolated areas with new needle punched plain resin backed heavy residential grade broadloom carpeting to match existing fixed with adhesive including preparation | m2 | 606.96 |
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|----------------|---|-------------|-------------|
| | <u>SUNDRY REPAIRS</u> | | |
| | <u>Interlocking paving, slasto or precast slab pavings :</u> | | |
| 20 | Lift up interlocking paving stones, slasto or precast paving slabs, set aside for re-use, scarify and compact existing surface under, provide and lay additional base course and clean sand bedding as necessary and re-lay paving stones, slasto or paving slabs | m2 | 303.93 |
| | <u>CHASING IN BRICK WALLS, (PIERS, ETC., ELSEWHERE MEASURED)</u> | | |
| | <u>Chasing in of galvanised/PVC pipes, channels, trunking, etc., in a straight line :</u> | | |
| 21 | 21mm - 25mm PVC pipes | m | 39.73 |
| 22 | 32mm - 50mm PVC pipes | m | 102.34 |
| 23 | O.L. 1 000 Galvanised trunking | m | 148.53 |
| 24 | O.L. 2 000 Galvanised trunking | m | 123.53 |
| 25 | O.L. 4 000 Galvanised trunking | m | 124.15 |
| 26 | O.L. 8 000 Galvanised trunking | m | 163.18 |
| 27 | O.L. 9 000 Galvanised trunking | m | 184.48 |
| 28 | 16mm x 16mm PVC trunking | m | 47.52 |
| 29 | 25mm x 16mm PVC trunking | m | 54.85 |
| 30 | 40mm x 16mm PVC trunking | m | 59.49 |
| 31 | 40mm x 25mm PVC trunking | m | 64.29 |
| 32 | 40mm x 40mm PVC trunking | m | 93.78 |
| | <u>MAKING GOOD OF FINISHES</u> | | |
| 33 | Cement plaster and painting in chasing of flush installation | m | 63.09 |
| | Bill No. 1 GENERAL REPAIRS | | |
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|----------------|--|-------------|-------------|
| 34 | Painting of pipes | m | 41.70 |
| 35 | Cables not exceeding 50mm ² | m | 46.70 |
| | <u>TAKING UP AND REMOVING</u> | | |
| 36 | Trunking, channels and pipes | m | 60.91 |
| | <u>TAKING DOWN, STORING AND SETTING ASIDE FOR RE-USE LATER AND INSTALL OR RE-FIX</u> | | |
| 37 | Cables not exceeding 50mm ² | m | 53.78 |
| 38 | PVC/galvanised trunking | m | 45.31 |
| 39 | PVC/galvanised pipes | m | 44.25 |
| 40 | Channels | m | 44.25 |
| 41 | Removal of old wiring circuit fall out | m | 48.96 |
| 42 | Removal of old light fittings | m | 97.18 |
| | <u>SCAFFOLDING</u> | | |
| | <p>The contractor must provide all necessary scaffolding for any and all work required to single storey buildings and to use the insides of building irrespective of the height of the building as no additional payment will be made in this regard</p> <p>Scaffolding will only be measured and paid for work to the external face of the building where the building is higher than one storey and to the actual height of the scaffolding erected</p> <p>The contractor must ensure the stability of the scaffolding at all times and must provide adequate safety rails, barriers and walkways for the workmen using the scaffolding. No materials may be stored on scaffolding</p> <p>The height of the scaffolding stated includes the ground floor level</p> | | |
| 43 | Scaffolding to the external face of double storey buildings | m | 1 605.66 |
| | <p>Bill No. 1 GENERAL REPAIRS</p> <p style="text-align: right;">Initial here.....</p> | | |



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|----------------|--|-------------------|-------------|
| 44 | Scaffolding to the external face of three storey buildings | m | 3 052.66 |
| 45 | Scaffolding to the external face of four storey buildings | m | 4 845.69 |
| 46 | Scaffolding to the external face of five storey buildings | m | 6 643.22 |
| 47 | Scaffolding to the external face of six storey buildings | m | 7 841.26 |
| 48 | Scaffolding to the external face of seven storey buildings | m | 9 074.48 |
| 49 | Scaffolding to the external face of eight storey buildings | m | 10 694.28 |
| 50 | Scaffolding to the external face of nine storey buildings | m | 10 292.70 |
| 51 | Scaffolding to the external face of ten storey buildings | m | 13 574.42 |
| | Bill No. 1 GENERAL REPAIRS | | |
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| | <u>BILL No 2</u> | | |
| | <u>LOW TENSION DISTRIBUTION</u> | | |
| | <u>BLACK ENAMELLED CONDUIT</u> | | |
| | <u>Cast in concrete, surface bed or screed :</u> | | |
| 52 | 20mm Diameter | m | 79.91 |
| 53 | 25mm Diameter | m | 89.36 |
| 54 | 32mm Diameter | m | 122.85 |
| | <u>Chased and/or fixed in brickwork not exceeding 3000mm above floor level (making good of chase by others) :</u> | | |
| 55 | 20mm Diameter | m | 82.85 |
| 56 | 25mm Diameter | m | 93.94 |
| 57 | 32mm Diameter | m | 123.18 |
| | <u>Fixed in dry wall partitioning not exceeding 3000mm above floor level :</u> | | |
| 58 | 20mm Diameter | m | 77.47 |
| 59 | 25mm Diameter | m | 89.12 |
| 60 | 32mm Diameter | m | 114.79 |
| | <u>Surface mounted to brickwork, concrete, steel, wood, roof members, etc., not exceeding 3000 mm above floor level :</u> | | |
| 61 | 20mm Diameter | m | 77.77 |
| 62 | 25mm Diameter | m | 89.66 |
| 63 | 2 Compartment power skirting | m | 964.72 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------------|
| 64 | 32mm Diameter <u>Suspended from steel trusses or concrete slab with and including hangers not exceeding 1000mm long and not exceeding 3000mm above floor level :</u> | m | 118.30 |
| 65 | 20mm Diameter | m | 92.08 |
| 66 | 25mm Diameter | m | 108.10 |
| 67 | 32mm Diameter <u>Surface mounted to brickwork, concrete, steel, wood, roof members, etc exceeding 3000mm above floor level :</u> | m | 137.38 |
| 68 | 20mm Diameter | m | 79.55 |
| 69 | 25mm Diameter | m | 88.65 |
| 70 | 32mm Diameter | m | 119.09 |
| | <u>GALVANISED CONDUIT</u> <u>Cast in concrete, surface bed or screed :</u> | | |
| 71 | 20mm Diameter | m | 95.36 |
| 72 | 25mm Diameter | m | 113.84 |
| 73 | 32mm Diameter <u>Laid in ground (excavations measured elsewhere) :</u> | m | 147.86 |
| 74 | 20mm Diameter | m | 89.97 |
| 75 | 25mm Diameter | m | 107.37 |
| 76 | 32mm Diameter | m | 144.12 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|--|-------------|-------------------|
| | <u>Laid in ground and encased in 75mm x 75mm concrete (excavations measured elsewhere) :</u> | | |
| 77 | 20mm Diameter | m | 99.63 |
| 78 | 25mm Diameter | m | 118.13 |
| 79 | 32mm Diameter | m | 150.59 |
| | <u>Chased and/or fixed in brickwork not exceeding 3000mm above floor level (making good of chase by others) :</u> | | |
| 80 | 20mm Diameter | m | 97.41 |
| 81 | 25mm Diameter | m | 116.17 |
| 82 | 32mm Diameter | m | 153.84 |
| | <u>Fixed in dry wall partitioning not exceeding 3000mm above floor level :</u> | | |
| 83 | 20mm Diameter | m | 93.90 |
| 84 | 25mm Diameter | m | 112.32 |
| 85 | 32mm Diameter | m | 147.02 |
| | <u>Surface mounted to brickwork, concrete, steel, wood, roof members, etc not exceeding 3000mm above floor level :</u> | | |
| 86 | 20mm Diameter | m | 98.16 |
| 87 | 25mm Diameter | m | 116.84 |
| 88 | 32mm Diameter | m | 148.98 |
| | <u>Suspended from steel trusses or concrete slab with and including hangers not exceeding 1000mm long and not exceeding 3000mm above floor level :</u> | | |
| 89 | 20mm Diameter | m | 113.07 |
| 90 | 25mm Diameter | m | 135.42 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|---|-------------|-------------------|
| 91 | 32mm Diameter <u>Surface mounted to brickwork, concrete, steel, wood, roof members, etc not exceeding 3000mm above floor level :</u> | m | 164.02 |
| 92 | 20mm Diameter | m | 94.35 |
| 93 | 25mm Diameter | m | 114.15 |
| 94 | 32mm Diameter <u>RIGID PVC CONDUIT</u> <u>Cast in concrete, surface bed or screed :</u> | m | 148.89 |
| 95 | 20mm Diameter | m | 42.81 |
| 96 | 25mm Diameter | m | 52.75 |
| 97 | 32mm Diameter <u>Laid in ground (excavations measured elsewhere) :</u> | m | 70.01 |
| 98 | 20mm Diameter | m | 44.16 |
| 99 | 25mm Diameter | m | 53.03 |
| 100 | 32mm Diameter <u>Chased and/or fixed in brickwork not exceeding 3000mm above floor level (making good of chase by others) :</u> | m | 68.17 |
| 101 | 20mm Diameter | m | 47.23 |
| 102 | 25mm Diameter | m | 54.98 |
| 103 | 32mm Diameter | m | 69.91 |
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| | <u>Fixed in dry wall partitioning not exceeding 3000mm above floor level :</u> | | |
| 104 | 20mm Diameter | m | 44.58 |
| 105 | 25mm Diameter | m | 52.00 |
| 106 | 32mm Diameter | m | 66.89 |
| | <u>Surface mounted to brickwork, concrete, steel, wood, etc., not exceeding 3000mm above floor level :</u> | | |
| 107 | 20mm Diameter | m | 48.61 |
| 108 | 25mm Diameter | m | 56.91 |
| 109 | 32mm Diameter | m | 72.31 |
| | <u>Surface mounted to brickwork, concrete, steel, wood, roof members, etc., not exceeding 3000mm above floor level :</u> | | |
| 110 | 20mm Diameter | m | 55.86 |
| 111 | 25mm Diameter | m | 67.95 |
| 112 | 32mm Diameter | m | 84.24 |
| | <u>FLEXIBLE CONDUIT</u> | | |
| | <u>Light gauge PVC flexible conduit :</u> | | |
| 113 | 20mm Diameter x 300mm long complete with connectors at both ends | No | 45.46 |
| 114 | 20mm Diameters x 1000mm long complete with connectors at both ends | No | 76.31 |
| 115 | 25mm Diameter x 300mm long complete with connectors at both ends | No | 49.88 |
| 116 | 25mm Diameter x 1000mm long complete with connectors at both ends | No | 88.61 |
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|----------------|---|-------------|-------------------|
| | <u>Galvanised steel flexible conduit with PVC sheath :</u> | | |
| 117 | 20mm Diameter x 300mm long complete with connectors at both ends | No | 112.52 |
| 118 | 20mm Diameter x 1000mm long complete with connectors at both ends | No | 207.35 |
| 119 | 25mm Diameter x 300mm long complete with connectors at both ends | No | 180.05 |
| 120 | 25mm Diameter x 1000mm long complete with connectors at both ends | No | 245.91 |
| 121 | 32mm Diameter x 300mm long complete with connectors at both ends | No | 157.18 |
| 122 | 32mm Diameter x 1000mm long complete with connectors at both ends | No | 255.41 |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| | <u>SLEEVES</u> | | |
| | <u>Unplasticised polyvinyl chloride (UPVC) sleeve piping including short lengths and jointing, cast in concrete</u> | | |
| 123 | 25mm Diameter | m | 62.09 |
| 124 | 50mm Diameter | m | 95.45 |
| 125 | 110mm Diameter | m | 146.07 |
| | <u>Unplasticised polyvinyl chloride (UPVC) sleeve piping including short lengths and jointing, laid in trench (trench backfilling measured elsewhere)</u> | | |
| 126 | 25mm Diameter | m | 66.53 |
| 127 | 50mm Diameter | m | 101.60 |
| 128 | 110mm Diameter | m | 154.97 |
| | <u>Extra on UPVC piping for:</u> | | |
| 129 | 25mm Diameter long radius bend | No | 82.41 |
| 130 | 50mm Diameter long radius bend | No | 116.21 |
| 131 | 110mm Diameter long radius bend | No | 186.85 |
| | <u>EXCAVATIONS, ETC.</u> | | |
| | <u>Excavate in earth and set excavated material aside for re-use as filling for:</u> | | |
| 132 | Cable or sleeve trenches not exceeding 1m deep | m3 | 232.25 |
| 133 | Extra over excavations in 'earth' for cable or sleeve trenches in 'soft rock' | m3 | 331.40 |
| 134 | Extra over excavations in 'earth' for cable or sleeve trenches in 'hard rock' | m3 | 693.30 |
| 135 | Selected and approved material from the excavations, in backfilling in trenches, to specified density | m3 | 475.28 |
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| 136 | Surplus material from the excavations spread and levelled over the site as directed | m3 | 466.10 |
| | <u>SUNDRIES</u> | | |
| 137 | Cable warning tape placed 150mm above cables in excavations | m | 255.29 |
| 138 | Concrete cable slabs placed 150mm above cables in excavations | m | 644.10 |
| 139 | 5mm x 300mm PVC interlocking protection sheet complete with warning signs | m | 308.30 |
| 140 | Cable route markers | No | 466.80 |
| | <u>CHANNELS AND TRUNKING</u> | | |
| | <u>Galvanised channeling :</u> | | |
| 141 | O-L1000 | m | 290.78 |
| 142 | Power skirting | m | 747.41 |
| 143 | UPS Plugs for power skirting | No | 470.41 |
| 144 | Power plugs for power skirting | No | 427.00 |
| 145 | O-L2000 | m | 271.58 |
| 146 | O-L4000 | m | 277.38 |
| 147 | O-L8000 | m | 317.19 |
| 148 | O-L8300 | m | 337.13 |
| 149 | O-L9000 | m | 386.27 |
| | <u>PVC trunking "EGA" trunking :</u> | | |
| 150 | 16 x 16mm | m | 37.77 |
| 151 | 25 x 16mm | m | 46.89 |
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| 152 | 40 x 16mm | m | 65.03 |
| 153 | 40 x 25mm | m | 74.76 |
| 154 | 40 x 40mm | m | 84.83 |
| <u>WIRING AND CABLES</u> | | | |
| <u>PVC wires :</u> | | | |
| 155 | 1.5mm ² | m | 9.41 |
| 156 | 2.5mm ² | m | 12.49 |
| 157 | 4mm ² | m | 16.04 |
| 158 | 6mm ² | m | 24.10 |
| 159 | 10mm ² | m | 34.06 |
| 160 | 16mm ² | m | 146.47 |
| <u>Bare copper wires :</u> | | | |
| 161 | 1.5mm ² | m | 9.65 |
| 162 | 2.5mm ² | m | 11.75 |
| 163 | 4mm ² | m | 15.83 |
| 164 | 6mm ² | m | 19.80 |
| 165 | 10mm ² | m | 25.84 |
| 166 | 16mm ² | m | 42.02 |
| 167 | 25mm ² | m | 65.35 |
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| | <u>Silicone insulated wires asbestos :</u> | | |
| 168 | 2.5mm ² | m | 23.91 |
| 169 | 4mm ² | m | 32.12 |
| 170 | 6mm ² | m | 43.85 |
| | <u>Underground cable PVC SWA PVC installed :</u> | | |
| 171 | 2 Core 2.5mm ² | m | 53.96 |
| 172 | 3 Core 2.5mm ² | m | 61.74 |
| 173 | 4 Core 2.5mm ² | m | 68.67 |
| 174 | 3 Core 4mm ² | m | 71.76 |
| 175 | 4 Core 4mm ² | m | 86.53 |
| 176 | 2 Core 6mm ² | m | 77.78 |
| 177 | 3 Core 6mm ² | m | 94.86 |
| 178 | 4 Core 6mm ² | m | 107.80 |
| 179 | 2 Core 10mm ² | m | 104.51 |
| 180 | 3 Core 10mm ² | m | 119.00 |
| 181 | 4 Core 10mm ² | m | 144.87 |
| 182 | 2 Core 16mm ² | m | 138.80 |
| 183 | 3 Core 16mm ² | m | 160.21 |
| 184 | 4 Core 16mm ² | m | 204.37 |
| 185 | 2 Core 25mm ² | m | 209.87 |
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| 186 | 3 Core 25mm ² | m | 279.79 |
| 187 | 4 Core 25mm ² | m | 309.79 |
| 188 | 4 Core 35mm ² | m | 401.45 |
| 189 | 4 Core 50mm ² | m | 508.72 |
| 190 | 4 Core 70mm ² | m | 735.16 |
| 191 | 4 Core 95mm ² | m | 977.42 |
| 192 | 4 Core 120mm ² | m | 1 147.64 |
| | <u>Surfix cables installed:</u> | | |
| 193 | 1.5mm ² Surfix cable 2 core + Earth | m | 33.72 |
| 194 | 1.5mm ² Surfix cable 3 core + Earth | m | 41.57 |
| 195 | 2.5mm ² Surfix cable 2 core + Earth | m | 43.64 |
| 196 | 2.5mm ² Surfix cable 3 core + Earth | m | 50.62 |
| 197 | 2.5mm ² Surfix cable 4 core + Earth | m | 59.76 |
| 198 | 4mm ² Surfix cable 2 core + Earth | m | 62.76 |
| 199 | 4mm ² Surfix cable 3 core + Earth | m | 74.95 |
| 200 | 4mm ² Surfix cable 4 core + Earth | m | 84.10 |
| | <u>CABLE TERMINATIONS OF THE FOLLOWING CABLES</u> | | |
| 201 | 2 Core 2.5mm ² | No | 112.88 |
| 202 | 3 Core 2.5mm ² | No | 114.62 |
| 203 | 2 Core 4mm ² | No | 126.35 |
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| 204 | 3 Core 4mm ² | No | 139.89 |
| 205 | 4 Core 4mm ² | No | 147.45 |
| 206 | 2 Core 6mm ² | No | 146.48 |
| 207 | 3 Core 6mm ² | No | 142.62 |
| 208 | 4 Core 6mm ² | No | 150.45 |
| 209 | 2 Core 10mm ² | No | 154.49 |
| 210 | 10mm ² Wire termination | No | 76.54 |
| 211 | 3 Core 10mm ² | No | 168.78 |
| 212 | 4 Core 10mm ² | No | 173.77 |
| 213 | 2 Core 16mm ² | No | 176.68 |
| 214 | 16mm ² Wire termination | No | 106.67 |
| 215 | 3 Core 16mm ² | No | 208.65 |
| 216 | 4 Core 16mm ² | No | 242.75 |
| 217 | 2 Core 25mm ² | No | 248.18 |
| 218 | 3 Core 25mm ² | No | 252.24 |
| 219 | 4 Core 25mm ² | No | 259.18 |
| 220 | 4 Core 35mm ² | No | 389.66 |
| 221 | 4 Core 50mm ² | No | 532.48 |
| 222 | 4 Core 70mm ² | No | 640.06 |
| 223 | 4 Core 95mm ² | No | 774.74 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------------|-------------|
| 224 | Welding cable termination | No | 201.21 |
| 225 | 4 Core 120mm ² | No | 945.50 |
| | <u>PVC Cable terminations:</u> | | |
| 226 | No 0 glands | No | 48.72 |
| 227 | No 1 glands | No | 51.08 |
| 228 | No 2 glands | No | 64.56 |
| | <u>Metal Cable terminations:</u> | | |
| 229 | No 0 glands | No | 99.46 |
| 230 | No 1 glands | No | 131.63 |
| 231 | No 2 glands | No | 209.04 |
| 232 | No 3 glands | No | 304.94 |
| 233 | No 4 glands | No | 464.62 |
| 234 | No 5 glands | No | 674.21 |
| 235 | No 6 glands | No | 850.76 |
| 236 | No 7 glands | No | 1 079.77 |
| | <u>Cable joints PVC "Pratley" or "Scotch" to the following :</u> | | |
| 237 | 2 Core 2.5mm ² | No | 292.50 |
| 238 | 3 Core 2.5mm ² | No | 292.98 |
| 239 | 2 Core 4mm ² | No | 310.02 |
| 240 | 3 Core 4mm ² | No | 371.37 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------------|-------------|
| 241 | 4 Core 4mm ² | No | 380.81 |
| 242 | 2 Core 6mm ² | No | 439.41 |
| 243 | 3 Core 6mm ² | No | 446.45 |
| 244 | 4 Core 6mm ² | No | 465.53 |
| 245 | 2 Core 10mm ² | No | 480.90 |
| 246 | 3 Core 10mm ² | No | 514.54 |
| 247 | 4 Core 10mm ² | No | 534.16 |
| 248 | 2 Core 16mm ² | No | 563.15 |
| 249 | 3 Core 16mm ² | No | 572.30 |
| 250 | 4 Core 16mm ² | No | 633.76 |
| 251 | 2 Core 25mm ² | No | 787.09 |
| 252 | 3 Core 25mm ² | No | 858.77 |
| 253 | 4 Core 25mm ² | No | 1 041.65 |
| 254 | 4 Core 35mm ² | No | 1 234.25 |
| 255 | 4 Core 50mm ² | No | 1 526.25 |
| 256 | 4 Core 95mm ² | No | 2 394.64 |
| 257 | 4 Core 70mm ² | No | 2 007.07 |
| 258 | 4 Core 95mm ² | No | 2 661.15 |
| 259 | 4 Core 120mm ² | No | 4 162.54 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|--|-------------|-------------|
| | <u>"Pratley" aluminium alloy, epoxy coated cable boxes excluding accessories but including installation :</u> | | |
| | <u>Right angle box No. 2 three way :</u> | | |
| 260 | With circuit breaker | No | 1 158.99 |
| 261 | Without circuit breaker | No | 927.13 |
| | <u>Parallel entry box No. 2 three way :</u> | | |
| 262 | With circuit breaker | No | 1 087.81 |
| 263 | Without circuit breaker | No | 925.52 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------------|
| | <u>SWITCHES</u> | | |
| | <u>16Amp switches :</u> | | |
| 264 | Single lever industrial type surface mounted | No | 189.03 |
| 265 | Two lever industrial type surface mounted | No | 260.55 |
| 266 | Three lever industrial type surface mounted | No | 683.50 |
| 267 | Rotary water tight industrial type surface mounted | No | 374.71 |
| 268 | 1 Lever 1 way flush with cover plate | No | 125.76 |
| 269 | 1L Two way complete | No | 156.05 |
| 270 | Intermediate complete | No | 353.64 |
| 271 | 2L Two way complete | No | 212.84 |
| 272 | 3L Two way complete | No | 253.81 |
| 273 | 1L One way switch without cover plate | No | 140.48 |
| 274 | 1L Two way switch without cover plate | No | 133.76 |
| 275 | 2L One way complete | No | 164.33 |
| 276 | 3L One way complete | No | 213.53 |
| | <u>Pull switch 10Amp :</u> | | |
| 277 | Complete with cord | No | 233.88 |
| 278 | Replacement of cord | No | 67.30 |
| 279 | "Eagle" type pull switch | No | 219.06 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------------|
| | <u>Daylight switches :</u> | | |
| 280 | 10 Amp dimmer switch | No | 876.11 |
| 281 | 24 Hours timers with spring reserve | No | 1 086.98 |
| 282 | 10 Amp including mounting bracket surface mounted as national or other equal or approved | No | 853.18 |
| 283 | 10 Amp "window" mounted in boards or kiosks with adjustable sensitivity and separate rail mounted switching unit similar or equal to BBT | No | 720.08 |
| | <u>Cover only for one lever switch :</u> | | |
| 284 | Metal ivory | No | 49.65 |
| 285 | PVC | No | 42.86 |
| | <u>Cover only for two lever switch :</u> | | |
| 286 | Metal ivory | No | 49.86 |
| 287 | PVC | No | 42.86 |
| | <u>Cover only for three lever switch :</u> | | |
| 288 | Metal ivory | No | 49.00 |
| 289 | PVC | No | 42.73 |
| | <u>Bell items :</u> | | |
| 290 | 10A Single lever bell switch | No | 163.49 |
| 291 | 22V/12V Standard bell transformer rail mounted | No | 715.51 |
| 292 | 110mm Diameter, 220V bell unit | No | 883.96 |
| | <u>Bell transformers :</u> | | |
| 293 | Transformer 220-12-24V | No | 591.02 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 294 | 80mm Diameter, 24V bell units | No | 745.81 |
| | <u>Sirens :</u> | | |
| 295 | 220V 500m | No | 1 334.91 |
| 296 | 220V 1000m | No | 1 657.62 |
| | <u>Socket outlet :</u> | | |
| 297 | Surface type industrial metal switched socket outlet | No | 259.91 |
| 298 | Water tight switched socket outlet (surface mounted) | No | 382.04 |
| 299 | Water tight surface socket outlet PVC | No | 399.04 |
| | <u>Flush mounted :</u> | | |
| 300 | Single outlet 100 x 50mm complete with cover | No | 182.44 |
| 301 | Double outlet 100 x 50mm complete with cover | No | 200.19 |
| 302 | Single outlet 100 x 100mm complete with cover | No | 201.24 |
| 303 | Double outlet 100 x 100mm complete with cover | No | 231.92 |
| | <u>Cover only to single outlet 100mm x 50mm :</u> | | |
| 304 | UPS skirting plug | No | 65.59 |
| 305 | Standard power skirting plug | No | 65.59 |
| 306 | Metal ivory | No | 57.80 |
| 307 | PVC | No | 54.77 |
| | <u>Cover only to single outlet 100mm x 100mm :</u> | | |
| 308 | Metal ivory | No | 61.56 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------------|
| 309 | PVC <u>Cover only to double outlet 100mm x 100mm :</u> | No | 55.16 |
| 310 | Metal ivory | No | 64.92 |
| 311 | PVC <u>Replace or install the following extension boxes :</u> | No | 60.05 |
| 312 | 100 x 50mm | No | 76.01 |
| 313 | 100 x 100mm <u>Galvanised wall boxes for switches or socket outlets :</u> | No | 91.42 |
| 314 | 100 x 50mm | No | 74.63 |
| 315 | 100 x 100mm <u>In concrete :</u> | No | 82.63 |
| 316 | 100 x 50mm | No | 77.39 |
| 317 | 100 x 100mm <u>PVC surface "EGA" boxes :</u> | No | 91.30 |
| 318 | 100 x 50mm | No | 76.36 |
| 319 | 100 x 50mm Blank cover only | No | 67.72 |
| 320 | 100 x 100mm | No | 92.79 |
| 321 | 100 x 100mm Blank cover only <u>Draw boxes miscellaneous junctions :</u> | No | 70.86 |
| 322 | 60mm Diameter PVC | No | 64.91 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------------|
| 323 | 60mm Diameter metal | No | 97.59 |
| | <u>ISOLATORS UP TO 63 AMP</u> | | |
| | <u>Double pole isolators only :</u> | | |
| 324 | Double pole isolator, rail mounted | No | 547.53 |
| 325 | As above, but surface mounted including enclosure | No | 795.87 |
| 326 | Triple pole isolator, rail mounted | No | 797.84 |
| 327 | As above, but surface mounted including enclosure | No | 1 008.10 |
| | <u>INDUSTRIAL POWER PLUGS</u> | | |
| | <u>Single Phase:</u> | | |
| 328 | 16Amp 110Volt | No | 403.78 |
| 329 | 16Amp, 230Volt | No | 471.33 |
| 330 | 32Amp 230Volt | No | 648.47 |
| 331 | 125Amp, 230Volt | No | 1 939.81 |
| | <u>Three Phase:</u> | | |
| 332 | 16Amp 380Volt | No | 479.18 |
| 333 | 16Amp, 415Volt | No | 547.96 |
| 334 | 32Amp 380Volt | No | 634.04 |
| 335 | 32Amp, 415Volt | No | 1 111.16 |
| 336 | 63Amp 380Volt | No | 1 667.38 |
| 337 | 63Amp, 415Volt | No | 2 304.39 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|--|-------------|-------------------|
| 338 | 125Amp, 380Volt | No | 3 568.31 |
| 339 | 125Amp, 415Volt | No | 3 859.61 |
| | <u>MINIATURE CIRCUIT BREAKER 2.5Ka "HEINEMAN"</u> | | |
| | <u>Single pole :</u> | | |
| 340 | 1-10 Amp | No | 273.70 |
| 341 | 15-25 Amp | No | 283.02 |
| 342 | 30-40 Amp | No | 288.82 |
| 343 | 45-60 Amp | No | 299.72 |
| | <u>Double pole :</u> | | |
| 344 | 1-10 Amp | No | 845.59 |
| 345 | 15-25 Amp | No | 935.18 |
| 346 | 30-40 Amp | No | 950.86 |
| 347 | 45-60 Amp | No | 984.01 |
| | <u>Triple pole :</u> | | |
| 348 | 1-10 Amp | No | 1 165.11 |
| 349 | 15-25 Amp | No | 1 291.88 |
| 350 | 30-40 Amp | No | 1 322.45 |
| 351 | 45-60 Amp | No | 1 312.25 |
| | <u>MINIATURE CIRCUIT BREAKER 6Ka "HEINEMAN"</u> | | |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|---|-------------------|-------------|
| | <u>Single pole :</u> | | |
| 352 | 1-10 Amp | No | 291.93 |
| 353 | 15-25 Amp | No | 305.16 |
| 354 | 30-40 Amp | No | 313.01 |
| 355 | 45-60 Amp | No | 336.09 |
| 356 | 80-100 Amp | No | 502.39 |
| 357 | 125-175 Amp | No | 762.96 |
| | <u>Double pole :</u> | | |
| 358 | 1-10 Amp | No | 878.75 |
| 359 | 15-25 Amp | No | 929.46 |
| 360 | 30-40 Amp | No | 953.15 |
| 361 | 45-60 Amp | No | 1 077.43 |
| 362 | 80-100 Amp | No | 1 904.46 |
| | <u>Triple pole :</u> | | |
| 363 | 1-10 Amp | No | 1 225.95 |
| 364 | 15-25 Amp | No | 1 291.37 |
| 365 | 30-40 Amp | No | 1 339.43 |
| 366 | 45-60 Amp | No | 1 340.55 |
| 367 | 80-100 Amp | No | 2 256.63 |
| | <u>MINIATURE CIRCUIT BREAKER 6Ka "DIN"</u> | | |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------------|
| | <u>Single pole :</u> | | |
| 368 | 1-3 Amp | No | 467.55 |
| 369 | 5-25 Amp | No | 502.32 |
| 370 | 32-45 Amp | No | 522.29 |
| 371 | 50-63 Amp | No | 606.07 |
| 372 | 80 Amp | No | 975.87 |
| | <u>Double pole :</u> | | |
| 373 | 1-3 Amp | No | 906.28 |
| 374 | 5-25 Amp | No | 1 065.88 |
| 375 | 32-45 Amp | No | 1 110.73 |
| 376 | 50-63 Amp | No | 1 240.19 |
| 377 | 80 Amp | No | 1 677.35 |
| | <u>Triple pole :</u> | | |
| 378 | 1-3 Amp | No | 1 401.02 |
| 379 | 5-25 Amp | No | 1 396.79 |
| 380 | 32-45 Amp | No | 1 468.19 |
| 381 | 50-63 Amp | No | 1 603.29 |
| 382 | 80 Amp | No | 2 568.25 |
| | <u>"JSO" CIRCUIT BREAKERS</u> | | |
| 383 | 100 ATP | No | 3 492.44 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|--|---------|-------------------|-------------|
| 384 | 150 ATP | No | 3 834.48 |
| 385 | 200 ATP | No | 5 073.30 |
| 386 | 250 ATP | No | 5 626.62 |
| 387 | 300 ATP | No | 7 632.51 |
| 388 | 350 ATP | No | 8 277.45 |
| 389 | 400 ATP | No | 8 733.01 |
| 390 | 600 ATP | No | 9 859.81 |
| 391 | 800 ATP | No | 12 306.07 |
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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| | <u>MINIATURE EARTH LEAKAGE UNIT WITH OVERLOAD PROTECTION 6Ka "HEINEMAN"</u> | | |
| | <u>Single pole :</u> | | |
| 392 | 15-30 Amp | No | 3 058.67 |
| 393 | 40-60 Amp | No | 3 130.26 |
| 394 | 80-100 Amp | No | 3 920.12 |
| | <u>Triple pole :</u> | | |
| 395 | 15-30 Amp | No | 4 961.26 |
| 396 | 40-60 Amp | No | 5 140.55 |
| 397 | 80-100 Amp | No | 7 174.14 |
| | <u>MINIATURE EARTH LEAKAGE UNIT WITH OVERLOAD PROTECTION 6Ka "DIN"</u> | | |
| | <u>Single pole :</u> | | |
| 398 | 5-25 Amp | No | 1 302.82 |
| 399 | 32-45 Amp | No | 1 441.05 |
| 400 | 50-63 Amp | No | 1 701.65 |
| | <u>Triple pole :</u> | | |
| 401 | 5-25 Amp | No | 2 487.73 |
| 402 | 32-45 Amp | No | 2 658.62 |
| 403 | 50-63 Amp | No | 3 847.83 |
| | <u>MINIATURE EARTH LEAKAGE UNIT WITHOUT OVERLOAD PROTECTION 5ka "HEINEMAN"</u> | | |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|--|-------------|-------------------|
| | <u>Single pole :</u> | | |
| 404 | 15-30 Amp | No | 2 328.78 |
| 405 | 40-60 Amp | No | 2 148.59 |
| | <u>Triple pole :</u> | | |
| 406 | 15-30 Amp | No | 4 649.02 |
| 407 | 40-60 Amp | No | 5 288.53 |
| | <u>MINIATURE EARTH LEAKAGE UNIT WITHOUT OVERLOAD PROTECTION 3Ka "DIN"</u> | | |
| | <u>Single pole :</u> | | |
| 408 | 5-25 Amp | No | 2 036.24 |
| 409 | 32-45 Amp | No | 2 193.91 |
| 410 | 50-63 Amp | No | 2 451.54 |
| | <u>Single pole :</u> | | |
| 411 | 5-25 Amp | No | 2 653.66 |
| 412 | 32-45 Amp | No | 2 863.71 |
| 413 | 50-63 Amp | No | 3 621.06 |
| 414 | Miniature adaptor clips | No | 111 002.59 |
| | <u>CONTACTOR 220V SIMILAR TO "DIL CONTRACTORS KLOCKNER MOLLER"</u> | | |
| 415 | 3kW | No | 958.43 |
| 416 | 5.5kW | No | 1 095.32 |
| 417 | 11kW | No | 1 496.00 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|---|-------------------|-------------|
| 418 | 15kW | No | 1 890.17 |
| | <u>CONTACTOR 380V SIMILAR TO "DIL CONTRACTORS KLOCKNER MOLLER"</u> | | |
| 419 | 11kW | No | 1 847.33 |
| 420 | 15kW | No | 2 204.70 |
| 421 | 22kW | No | 3 050.88 |
| 422 | 30kW | No | 3 880.24 |
| | <u>ENERGY CONTROL UNITS "HEINEMANN"</u> | | |
| 423 | SA-ECU 21A/15A | No | 1 400.79 |
| 424 | SA-ECU 21A/25A | No | 1 563.93 |
| | <u>SAFETY BLANKS INSTALLED FOR COVERING</u> | | |
| 425 | Safety blank ("Samite") | No | 34.74 |
| 426 | Blanking plate per module ("DIN") | No | 65.90 |
| | <u>TIMERS 220V</u> | | |
| 427 | 24 Hours time, setting with 15 minutes intervals | No | 1 509.94 |
| 428 | 72 Hours spring reserve, rail mounted | No | 1 757.03 |
| 429 | Surface enclosure and accessories for above only | No | 816.10 |
| | <u>METAL PENDANT FITTING</u> | | |
| | <u>Aluminium rod pendant with fluted oval glass with open bottom entry minimum 900mm diameter, suitable for 60W lamps - similar or equal to "BEKA DR-1" :</u> | | |
| 430 | 1 Light pendant fitting complete | No | 519.26 |
| 431 | 2 Light pendant fitting complete | No | 654.73 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|--|-------------|-------------------|
| 432 | 3 Light pendant fitting complete | No | 1 087.68 |
| 433 | 1 Light wall bracket | No | 397.42 |
| 434 | Fluted glass for replacement only | No | 236.03 |
| | <u>Oval open bottom polycarbonate fitting similar or equal to "LASCON V2/0" :</u> | | |
| 435 | Porcelain gallery | No | 135.38 |
| | <u>Oval spherical bowl fitting gallery only scewneck 78mm diameter :</u> | | |
| 436 | Ceiling porcelain | No | 398.35 |
| 437 | Angle porcelain | No | 501.59 |
| | <u>Oval spherical bowl fitting gallery only scewneck 100mm diameter :</u> | | |
| 438 | Ceiling porcelain | No | 148.02 |
| 439 | Angle porcelain | No | 185.33 |
| | <u>Oval spherical bowls only :</u> | | |
| 440 | 150mm Diameter glass | No | 98.64 |
| 441 | 180mm Diameter glass | No | 175.55 |
| 442 | 180mm Diameter polycarbonate | No | 165.57 |
| | <u>Round bulkhead fitting with white reflector and clear polycarbonate similar or equal to "UNILUX 7610" :</u> | | |
| 443 | With lampholder - 100W ES fitting complete | No | 767.43 |
| 444 | With lampholder - 1PL9 fitting complete | No | 1 251.86 |
| 445 | With lampholder - 2PL9 fittings complete | No | 1 232.06 |
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|----------------|---|-------------|-------------|
| | <u>Square bulkhead fitting with white reflector and clear polycarbonate similar or equal to "LASCON B20" :</u> | | |
| 446 | With lampholder - 100W ES fitting complete | No | 1 928.94 |
| 447 | With lampholder - 1PL9 fitting complete | No | 1 022.48 |
| 448 | With lampholder - 2PL9 fittings complete | No | 925.17 |
| | <u>Wellglass fitting :</u> | | |
| 449 | Complete as type "Waco" 100 watt with 20mm diameter screwed entry | No | 189.22 |
| | <u>Sundries :</u> | | |
| 450 | Shave/mirror light with safety isolation transformer as "Legrand Type 60665" or other equal and approved | No | 1 483.44 |
| 451 | Angle bulkhead fittings as "Lascon B15" | No | 561.80 |
| 452 | Brass batten lampholder "BC" | No | 77.99 |
| 453 | Brass batten lampholder "BC", 100mm entry with shade ring | No | 85.42 |
| | <u>FLUORESCENT FITTINGS COMPLETE WITH TUBES COMMERCIAL TYPE SIMILAR OR EQUAL TO "ZUMTOBEL ZLN SYSTEM"</u> | | |
| | <u>Fluorescent "GEA" tray complete with mounting bracket (cover) for surface insallation switch start, but excluding diffusers, standard bi-pin lampholders instead of the ratchet type are not acceptable</u> : | | |
| 454 | 1 x 18W | No | 556.49 |
| 455 | 2 x 18W | No | 706.38 |
| 456 | 1 x 36W | No | 599.20 |
| 457 | 2 x 36W | No | 763.02 |
| 458 | 1 x 58W | No | 721.64 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|--|--|-------------------|----------|
| 459 | 2 x 58W <u>Brightness recessed fittings :</u> | No | 918.97 |
| 460 | 2 x 36W Low | No | 1 945.65 |
| 461 | 4 x 36W Low <u>Fluorescent fittings with water tight polycarbonate diffuser "IP65" :</u> | No | 1 978.16 |
| 462 | 1 x 58W | No | 1 316.91 |
| 463 | 2 x 58W <u>Surface mounted fluorescent fittings complete with tubes and prismatic diffuser similar or equal to "Lascon M6" :</u> | No | 1 881.37 |
| 464 | 1 x 36W | No | 854.00 |
| 465 | 2 x 36W | No | 1 000.86 |
| 466 | 1 x 58W | No | 1 062.57 |
| 467 | 2 x 58W <u>Down lights complete</u> <u>Same as above but suitable for installations in prisons. The fittings shall be equal or similar to :</u> | No | 1 183.14 |
| 468 | "Unilux 7612-2PL9" with "Allen-Key" to fasten the diffusers <u>SECURITY FLOODLIGHTS</u> <u>Complete with lamp but excluding mounting pole. Tungsten halogen or similar or equal to "Beka DL" or "Lascon L2" :</u> | No | 2 249.86 |
| 469 | Halogen 300 - 500W | No | 462.29 |
| 470 | Halogen 100W | No | 386.74 |
| Bill No. 2 LOW TENSION DISTRIBUTION | | | |
| | | Initial here..... | |



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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|--|---|-------------------|-------------|
| 471 | Halogen 150W <u>Discharge luminaries similar or equal to "Lascon L114ST" with asymmetrical reflector :</u> | No | 380.16 |
| 472 | 70/HP-E (Symmetrical reflector only) | No | 2 219.50 |
| 473 | -125W/MV-E (Symmetrical reflector only) | No | 1 898.00 |
| 474 | -250W/HP-T | No | 3 387.87 |
| 475 | -400W/HPD-T | No | 4 247.54 |
| 476 | Securi flood 2 x 250Watt HPS | No | 10 394.28 |
| 477 | Securi flood 2 x 400Watt HPS | No | 10 367.14 |
| <u>STREET AND PARKING AREA LIGHTS</u> | | | |
| <u>Complete with lamp including installation but excluding mounting pole, similar or equal to "Beakalux" or "Lascon SL1" :</u> | | | |
| 478 | -80W/MV-E | No | 2 101.61 |
| 479 | -125W/MV-E | No | 2 188.15 |
| 480 | -250W/MV-E | No | 4 116.75 |
| 481 | -400W/MV-E | No | 6 727.41 |
| 482 | -70W/HPS-E | No | 2 590.13 |
| 483 | -100W/HPS-E | No | 3 114.76 |
| 484 | -150W/HPS-E | No | 3 562.39 |
| 485 | -250W/HPS-E | No | 4 841.55 |
| 486 | -400W/HPS-E | No | 7 468.62 |
| Bill No. 2 LOW TENSION DISTRIBUTION | | Initial here..... | |



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|----------------|--|-------------|-------------|
| | <u>Complete with lamp including installation but excluding mounting pole, similar or equal to "Beka Decor" or "Lascon SK3/SK4" :</u> | | |
| 487 | -200W/ES | No | 2 118.86 |
| 488 | -160W/MB | No | 2 283.22 |
| 489 | -125W/MV-E | No | 2 562.21 |
| 490 | -70W/HPS-E | No | 2 528.77 |
| | <u>Area lights - wall mounted similar or equal to "Lascon B41" :</u> | | |
| 491 | -125W/MV-E | No | 3 653.70 |
| 492 | -70W/HPS-E | No | 3 082.82 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|---|--|-------------------|-------------|
| <u>MOUNTING POLES WITHOUT CANTILEVER INCLUDING INSTALLATION BUT EXCLUDING POLE HOLE AND CONCRETE BASE (LPH = LIGHT POINT HEIGHT)</u> | | | |
| <u>Galvanised poles :</u> | | | |
| 493 | 3m LPH | No | 3 766.98 |
| 494 | 4m LPH | No | 4 616.05 |
| 495 | 6m LPH | No | 6 325.38 |
| 496 | 8m LPH | No | 7 793.76 |
| <u>Fibreglass poles :</u> | | | |
| 497 | 3m LPH | No | 4 544.93 |
| 498 | 4m LPH | No | 5 561.65 |
| 499 | 6m LPH | No | 7 402.37 |
| 500 | 8m LPH | No | 11 026.60 |
| <u>Wooden poles :</u> | | | |
| 501 | 6m Length including installation but excluding pole hole | No | 2 701.41 |
| 502 | 9.3m Length including installation but excluding pole hole | No | 2 976.74 |
| <u>PVC sleeve pipes with draw wire :</u> | | | |
| 503 | 110mm On surface (in trench or similar) | m | 238.15 |
| 504 | 110mm In brick | m | 305.66 |
| 505 | 110mm In concrete | m | 956.18 |
| <u>Pitch fibre (Class C) sleeve pipes with draw wire :</u> | | | |
| 506 | 110mm On surface (in trench or similar) | m | 342.81 |
| Bill No. 2 LOW TENSION DISTRIBUTION | | Initial here..... | |



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|----------------|---|-------------|-------------------|
| 507 | 110mm In brick | m | 355.94 |
| 508 | 110mm In concrete | m | 332.24 |
| | <u>LAMPS</u> | | |
| | <u>Incandescent 40 - 100 watt "BC" or "ES" 250 volts lamps :</u> | | |
| 509 | 1 - 5 Lamps | No | 33.45 |
| 510 | 1 - 25 Lamps | No | 33.45 |
| 511 | More than 25 lamps | No | 40.04 |
| | <u>Incandescent 150 - 200 watt "BC" or "ES" 250 volts lamps :</u> | | |
| 512 | 1 - 5 Lamps | No | 53.08 |
| 513 | 1 - 25 Lamps | No | 53.08 |
| 514 | More than 25 lamps | No | 52.00 |
| | <u>TUBES</u> | | |
| | <u>Fluorescent 610mm - 18 watt white "SS" or "RS" lamps :</u> | | |
| 515 | 1 - 5 Lamps | No | 53.77 |
| 516 | 1 - 25 Lamps | No | 53.77 |
| 517 | More than 25 lamps | No | 54.69 |
| | <u>Fluorescent 1 220mm x 36mm - 36 watt white "SS" lamps :</u> | | |
| 518 | 1 - 5 Lamps | No | 56.69 |
| 519 | 1 - 25 Lamps | No | 56.69 |
| 520 | More than 25 lamps | No | 57.37 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|---|-------------|-------------------|
| | <u>Fluorescent 1 220mm 40 watt white "RS" :</u> | | |
| 521 | 1 - 5 Lamps | No | 67.72 |
| 522 | 1 - 25 Lamps | No | 67.69 |
| 523 | More than 25 lamps | No | 69.94 |
| | <u>Fluorescent 1 524mm 58 watt white "SS" lamps :</u> | | |
| 524 | 1 - 5 Lamps | No | 63.22 |
| 525 | 1 - 25 Lamps | No | 64.22 |
| 526 | More than 25 lamps | No | 67.13 |
| | <u>Fluorescent 2 440mm (8ft) 58 watt white "Slimline" lamps :</u> | | |
| 527 | 1 - 5 Lamps | No | 102.40 |
| 528 | 1 - 25 Lamps | No | 101.63 |
| 529 | More than 25 lamps | No | 135.85 |
| | <u>Fluorescent saving lamps :</u> | | |
| 530 | "Phillips SL" 9 watt | No | 763.45 |
| 531 | "Phillips SL" 18 watt | No | 124.31 |
| 532 | "PL" 7 watt | No | 88.11 |
| 533 | "PL" 9 watt | No | 87.46 |
| 534 | "PL" 11 watt | No | 115.13 |
| 535 | "PL" 13 watt | No | 95.33 |
| 536 | "2D" 16 watt | No | 92.78 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|--|-------------|-------------------|
| | <u>LAMPS</u> | | |
| | <u>Tungsten halogen 250 volt :</u> | | |
| 537 | 300/500 Watt | No | 114.62 |
| 538 | 1000 Watt | No | 135.29 |
| 539 | 1500 Watt | No | 191.66 |
| | <u>Mercury vapour :</u> | | |
| 540 | 80 Watt | No | 124.11 |
| 541 | 125 Watt | No | 158.22 |
| 542 | 250 Watt | No | 291.67 |
| 543 | 400 Watt | No | 311.13 |
| 544 | 160 Watt mercury blended | No | 236.51 |
| | <u>High pressure sodium :</u> | | |
| 545 | 70 Watt HPS - E | No | 372.91 |
| 546 | 100 Watt HPS - E | No | 476.78 |
| 547 | 50 Watt HPS - E | No | 472.17 |
| 548 | 250 Watt HPS - E | No | 327.50 |
| 549 | 400 Watt HPS - E | No | 335.45 |
| 550 | 250 HPS - T | No | 334.27 |
| 551 | 400 HPS - T | No | 364.69 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|---|-------------|-------------------|
| | <u>Energy saving bulbs "BC" or "ES" :</u> | | |
| 552 | 9 Watt | No | 72.20 |
| 553 | 12 Watt | No | 70.97 |
| 554 | 14 Watt | No | 74.13 |
| 555 | 24 Watt | No | 123.85 |
| | <u>Control gear for "HPS / MV" :</u> | | |
| 556 | MW choke 80W | No | 328.51 |
| 557 | MW choke 400W | No | 514.74 |
| 558 | MW choke 250W | No | 580.76 |
| 559 | MW choke 400W | No | 608.08 |
| 560 | HPS choke 100W | No | 463.27 |
| 561 | HPS choke 150W | No | 632.48 |
| 562 | HPS choke 250W | No | 690.96 |
| 563 | HPS choke 400W | No | 654.72 |
| 564 | HPS ignitor 100W | No | 324.30 |
| 565 | HPS ignitor 150W | No | 320.71 |
| 566 | HPS ignitor 250W/400W | No | 280.03 |
| 567 | Capacitor 25uF/250V | No | 181.23 |
| 568 | Capacitor 8uF/250V | No | 289.32 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|--|-------------------|-------------|
| | <u>Control gear for fluorescent fittings :</u> | | |
| 569 | "Slimline" 2 x 75W | No | 573.01 |
| 570 | Rapid start 2 x 40W | No | 425.72 |
| 571 | 1 x 20W switch start ballast | No | 119.63 |
| 572 | 1 x 40W switch start ballast | No | 139.80 |
| 573 | 1 x 60W switch start ballast | No | 144.95 |
| 574 | 1 x Capacitor for 40 Watt lamp | No | 134.03 |
| 575 | 1 x Capacitor for 65 Watt lamp | No | 133.35 |
| 576 | PL - 7 - 9W ballast | No | 153.96 |
| 577 | PL 11W ballast | No | 150.20 |
| 578 | 2PL - 7 - 9W ballast | No | 186.52 |
| 579 | 2PL - 13W ballast | No | 191.49 |
| 580 | 2D - 16W ballast | No | 218.54 |
| | <u>Lampholders fluorescent :</u> | | |
| 581 | Telescope type two pin | No | 116.39 |
| 582 | Telescope type single pin | No | 109.98 |
| 583 | Ratchet type one lamp fitting | No | 89.71 |
| 584 | Ratchet type two lamp fitting | No | 89.44 |
| | <u>Starters for fluorescent fittings :</u> | | |
| 585 | 4 - 80 Watt universal type "S10" | No | 58.06 |
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|----------------|---|-------------------|-------------|
| 586 | Lamps with diachroid reflector | No | 148.43 |
| 587 | 20W | No | 107.76 |
| 588 | 35W | No | 107.35 |
| 589 | 50W | No | 154.78 |
| | <u>Safety transformers 220V/12V with fuse and protected terminals :</u> | | |
| 590 | 50W | No | 666.71 |
| 591 | 200W | No | 815.19 |
| | <u>ELECTRIC GEYSERS</u> | | |
| 592 | Replace thermostat | No | 527.61 |
| 593 | Spiral type hardwater 2kW | No | 738.39 |
| 594 | Replace element (for porcelain type element) | No | 737.80 |
| 595 | Replace spiral type element hardwater 3kW | No | 845.72 |
| 596 | Replace 3kW element ("Sadia" geyser) | No | 705.69 |
| 597 | Replace 0.75kW immersion type element | No | 673.58 |
| 598 | Replace 1.5kW immersion type element | No | 675.44 |
| 599 | Replace 2kW immersion type element | No | 815.10 |
| 600 | Replace kwick heat blue element with thermostat 2kW | No | 1 206.92 |
| 601 | Replace 3kW immersion type element | No | 1 022.78 |
| | <u>EXISTING INSTALLATIONS : GENERAL WORK</u> | | |
| 602 | Replace indoor type lighting arrestor | No | 731.35 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|---|-------------|-------------|
| 603 | Replace hinges of outdoor meter box or distribution board | No | 360.78 |
| 604 | Replace door catch of outdoor meter box or distribution board | No | 412.07 |
| 605 | Replace staple and hasp | No | 487.36 |
| 606 | Replace indoor distribution board face plate | No | 669.42 |
| 607 | Replace indoor distribution board door | No | 688.16 |
| 608 | Cover for outdoor distribution board | No | 704.08 |
| | <u>Replace "Yorkshire" fuse or circuit breaker with "New Pole" type circuit breaker and drip-roof box :</u> | | |
| 609 | Single phase | No | 1 086.20 |
| 610 | Three phase | No | 1 699.20 |
| 611 | Connect/disconnect existing power supply to electrical appliances, motors or other equipment | No | 393.77 |
| | <u>Replace "HRC" fuse cartridges :</u> | | |
| 612 | 0.5 - 15 Ampere | No | 214.66 |
| 613 | 60 - 100 Ampere | No | 438.50 |
| 614 | 150 - 200 Ampere | No | 675.29 |
| 615 | 300 - 400 Ampere | No | 1 041.60 |
| 616 | 500 Ampere | No | 1 144.62 |
| | <u>EARTHING AND BONDING</u> | | |
| 617 | Earthing of metal roof with 50mm ² copper wire in 25mm conduit connected to 1,5mm earth spike | No | 752.91 |
| 618 | Earthing and bonding of roof, downpipes and gutter (per bumper strap of connection, not exceeding 1 metre) | No | 261.59 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
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|----------------|---|-------------|-------------|
| 619 | Bond waste pipes to cold water pipes (not exceeding 1 metre length) | No | 363.62 |
| | <u>CABLE CONNECTION TO MAIN POWER OVERHEAD DISTRIBUTION LINE</u> | | |
| | <u>Including fastening of cable into standard municipal wooden pole by stainless steel strappers, wire clamps to Q.H. wires and trenching shall be EXCLUDED :</u> | | |
| 620 | Single phase + neutral | No | 1 370.81 |
| 621 | Three phase + neutral | No | 1 546.75 |
| | <u>COVERS ONLY TO OUTDOORS DB</u> | | |
| 622 | SK0 | No | 768.03 |
| 623 | SK2 | No | 1 025.56 |
| 624 | SK3 | No | 918.10 |
| 625 | SK5 | No | 1 432.98 |
| | <u>METER BOARDS, DISTRIBUTION BOARDS AND SUPPLY MAINS</u> | | |
| | <u>Flush Mounted:</u> | | |
| 626 | 2 Way | No | 1 914.97 |
| 627 | 4 Way | No | 2 574.68 |
| 628 | 6 Way | No | 3 920.68 |
| 629 | 8 Way | No | 4 869.63 |
| 630 | 10 Way | No | 4 738.15 |
| 631 | 12 Way | No | 6 187.22 |
| 632 | 15 Way | No | 7 185.98 |
| 633 | 18 Way | No | 8 192.61 |
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|----------------|--|-------------------|-------------|
| 634 | 24 Way | No | 8 853.81 |
| 635 | 36 Way | No | 9 929.50 |
| 636 | 45 Way | No | 11 904.54 |
| | <u>Flush Mounted with Galvanised Steel Tray:</u> | | |
| 637 | 12 Way | No | 6 399.86 |
| 638 | 15 Way | No | 6 890.39 |
| 639 | 18 Way | No | 7 425.56 |
| | <u>Surface Mounted:</u> | | |
| 640 | 2 Way | No | 2 115.85 |
| 641 | 4 Way | No | 3 272.31 |
| 642 | 6 Way | No | 3 996.50 |
| 643 | 8 Way | No | 4 496.51 |
| 644 | 10 Way | No | 4 737.97 |
| 645 | 12 Way | No | 5 307.60 |
| 646 | 15 Way | No | 6 192.64 |
| 647 | 18 Way | No | 7 081.76 |
| 648 | 24 Way | No | 8 372.10 |
| 649 | 36 Way | No | 10 596.60 |
| 650 | 45 Way | No | 12 836.97 |
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|---|---|-------------------|-------------|
| <u>FIBREGLASS DISTRIBUTION KIOSK COMPLETE</u> | | | |
| 651 | 6 Way double door | No | 11 559.39 |
| 652 | 12 Way double door | No | 15 808.10 |
| 653 | 18 Way double door | No | 18 658.35 |
| <u>SUPPLY AND INSTALLATION OF CABLE ENTRY SLEEVES AND CHANNELS</u> | | | |
| 654 | Internal supply mains from meterboard to DB consisting of 2 x 16mm PVC insulated conductors and 1 x 10mm BC earth wire per metre run | m | 953.11 |
| 655 | Internal supply mains from roof to meter board as item above and including roof connection as per std.spc WS20 | m | 485.85 |
| 656 | Overhead bundle conductors | m | 402.88 |
| 657 | Supply and install single phase roof box | No | 1 308.16 |
| 658 | Supply and install three phase roof box | No | 1 888.59 |
| <u>INSTALL AND CONNECT ISOLATOR, EARTH LEAKAGE OR CIRCUIT BREAKER AT DB, MATERIAL SUPPLIED BY OTHERS</u> | | | |
| 659 | Single pole | No | 375.77 |
| 660 | Double pole | No | 527.61 |
| 661 | Triple pole | No | 825.45 |
| <u>REWIRING OF EXISTING LIGHT CIRCUIT</u> | | | |
| 662 | Rewire existing light circuit to meet standard of wiring. The price shall be given per metre circuit-run, but shall EXCLUDE all necessary disconnection and reconnection or appliances removal work. Termination work at the distribution board as well as withdraw of existing wires shall be INCLUDED | m | 154.02 |
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|---|--|-------------------|-------------|
| <u>DISCONNECT, REMOVE, REINSTALL AND RECONNECT</u> | | | |
| 663 | Light switches for above | No | 585.79 |
| <u>LIGHT FITTINGS OF VARIOUS TYPES AS MENTIONED PREVIOUSLY</u> | | | |
| 664 | 1 - 5 Fittings | No | 629.80 |
| 665 | 1 - 25 Fittings | No | 2 883.52 |
| 666 | More than 25 fittings | No | 5 677.22 |
| <u>SOCKET OUTLET POINTS</u> | | | |
| 667 | Rewire existing socket circuit by means of 2 x 4mm ² PVC wires plus 2.5mm ² BCEW. The price shall be given per metre circuit-run, but shall EXCLUDE all necessary disconnection and reconnection or appliances removal work. Termination work at the distribution board as well as withdrawing of existing wires shall be included | m | 180.71 |
| 668 | Single switched socket | No | 238.26 |
| 669 | Dual switched socket | No | 363.42 |
| <u>INSTALL STOVE OUTLET POINT</u> | | | |
| 670 | Stove isolator | No | 456.77 |
| 671 | Withdraw existing stove circuit wiring and rewire to include 2 x 6mm 253 conductors plus 4mm ² earth wire (invoiced per metre run) | m | 346.74 |
| 672 | Withdraw existing stove circuit wiring and rewire to include 2 x 6mm 253 conductors plus 4mm ² earth wire (invoiced per metre run) | m | 481.10 |
| 673 | Replace flexible stove connection consisting 2 x 6mm ² PVC conductors plus 4mm ² earth wire in "Kopex" tubing. Allow for 1.50 metre 25mm tubing with compression glands | No | 559.94 |
| <u>GEYSER CONNECTIONS</u> | | | |
| 674 | Withdraw existing geyser circuit wiring and rewire to include 2 x 4mm ² PVC conductors plus 2.5mm ² earth wire (invoiced per metre run) | m | 264.59 |
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|--|--|-------------|-------------|
| 675 | Replace 20mm sprague connection with 20mm flexible "Kopex" connection per metre length including disconnection and reconnection of conductors and 2 x glands | m | 339.53 |
| <u>WEATHERPROOF AND GEYSERS</u> | | | |
| 676 | Replace weatherproof isolator | No | 913.84 |
| 677 | Install weatherproof isolator | No | 909.99 |
| 678 | Install geyser connection excluding weatherproof isolator | No | 757.12 |
| 679 | Isolator to include 2 x 4mm ² conductors plus 2.5mm ² earthwire per metre run | m | 432.98 |
| <u>SUNDRIES</u> | | | |
| 680 | One lever two way type surface mounted | No | 293.97 |
| 681 | Three lever two way type surface mounted | No | 370.01 |
| 682 | Surface type dual industrial metal switch socket | No | 422.12 |
| 683 | Flush mounted 100mm x 50mm computer switch plug + cover | No | 372.41 |
| 684 | Single outlet 100mm x 100mm computer switch plug + cover | No | 434.68 |
| 685 | Dual outlet 100mm x 100mm computer switch plug + cover | No | 432.11 |
| 686 | Round blank cover plate | No | 34.96 |
| 687 | Metal round blank cover plate oversize | No | 60.92 |
| 688 | Metal round blank cover plate oversize with knockout | No | 300.52 |
| 689 | Contractor 240V complete | No | 1 950.31 |
| 690 | Disconnection of single phase + neutral | No | 422.41 |
| 691 | Disconnection of three phase + neutral | No | 566.92 |
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|----------------|--|-------------|-------------------|
| | <u>Conventional Meters:</u> | | |
| | <u>Digital Meters:</u> | | |
| 692 | Single phase meter board complete outdoor | No | 2 696.80 |
| 693 | Three phase meter board complete outdoor | No | 3 460.09 |
| | <u>Analogue Meters:</u> | | |
| 694 | Single phase meter board complete outdoor | No | 3 183.40 |
| 695 | Three phase meter board complete outdoor | No | 4 782.97 |
| | <u>Pre-paid Meters:</u> | | |
| 696 | Pre-paid single phase | No | 2 677.65 |
| 697 | Pre-paid three phase | No | 5 781.92 |
| 698 | Rewire single distribution board to standard | No | 1 252.17 |
| 699 | Rewire three phase board to standard | No | 1 757.83 |
| 700 | SABS 1524 Glass 2 5 -60A ready box complete | No | 1 570.13 |
| 701 | Disconnect, remove, reinstall and reconnect cable at single phase distribution board | No | 1 857.90 |
| 702 | Labelling of single phase distribution board | No | 426.57 |
| 703 | Disconnect, remove, reinstall and reconnect cable at three phase distribution board | No | 1 425.44 |
| 704 | Labelling of three phase distribution board | No | 718.61 |
| | Bill No. 2 LOW TENSION DISTRIBUTION | | |
| | | | Initial here..... |



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 on Low Tension Installations, Volume 2
 Erongo Region

| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| | <p><u>BILL No 3</u></p> <p><u>NON-SCHEDULED WORK</u></p> <p><u>NOTES</u></p> <p>1. The following must be priced by the Tenderer. Failure to do so or to only price some of the items in this Bill will result in the Tenderer being DISQUALIFIED.</p> <p>2. Tenderers are to take note of the method of calculating the Contract Sum and the order of calculating the Contract Sum as clearly specified and stated in Volume 1 and 2.</p> <p><u>NON-SCHEDULED MATERIAL</u></p> | | |
| 705 | Percentage allowance to be added to the NETT purchase cost of non-scheduled items excluding VAT for profit and overhead costs | | 0.00% |
| | <p><u>LABOUR RATES</u></p> <p><u>NOTES</u></p> <p>1. The following labour rates must be INCLUSIVE of all labour costs such as social security costs, pensions, bonuses and the like.</p> <p>2. The labour rates must also be INCLUSIVE of all supervision costs, foremen cost and the PROFIT on labour as no extra costs in connection herewith will be payable.</p> | | |
| 706 | Driver | Per Hr | 58.60 |
| 707 | Artisan | Per Hr | 197.03 |
| 708 | Artisan Foreman | Per Hr | 257.31 |
| 709 | Handyman | Per Hr | 89.96 |
| 710 | Workhand | Per Hr | 66.74 |
| 711 | Labourer | Per Hr | 51.09 |
| | <p>Bill No. 3 NON-SCHEDULED WORK</p> <p style="text-align: right;">Initial here.....</p> | | |



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| <u>Item No</u> | | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------------|
| | <u>EMERGENCY CALL OUTS</u> | | |
| | <u>NOTES</u> | | |
| | 1. Payment of Emergency Call-Outs will only take place when the call-out is outside of normal working hours. | | |
| | 2. Travelling time of labour will be paid at the all inclusive labour rates stated above within this Bill. | | |
| 712 | Fixed cost of Emergency Call-Out | No | 853.75 |
| 713 | Kilometre rate for transport of material and labour for journeys where distance is more than 25 kilometres from the Home Base or Branch Office (i.e. kilometre return journey) | No | 11.79 |
| | <u>SELECTED SUB-CONTRACTORS</u> | | |
| 714 | Percentage allowance to be added to the NETT value of the work of selected sub-contractors excluding VAT for profit and attendance on the selected sub-contractors | | 0.00% |
| | Bill No. 3 NON-SCHEDULED WORK | | |
| | | | Initial here..... |



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| <u>Bill No</u> | <u>FINAL SUMMARY</u> | <u>Page No</u> | <u>Amount</u> |
|----------------|--------------------------|----------------|-----------------------|
| | GENERAL REPAIRS | 6 | Not Priced |
| | LOW TENSION DISTRIBUTION | 52 | Not Priced |
| | NON-SCHEDULED WORK | 55 | Not Priced |
| | Initial here..... | | N\$ Not Priced |