

| SAP | Item Description                              | Line Hardware Components            |                                        |
|-----|-----------------------------------------------|-------------------------------------|----------------------------------------|
|     |                                               | Conductor<br>eg Tern,<br>Wolf, Bear | Configuration<br>Twin/Trip<br>Quad/Hex |
| 1   | 2X 380 mm spacing Spacer Damper for Conductor | Goat                                | Twin                                   |
| 2   | 2X 380 mm spacing Spacer Damper for Conductor | Tern                                | Twin                                   |
| 3   | 2X 570 mm spacing Spacer Damper for Conductor | Dinosaur                            | Twin                                   |
| 4   | 3X 450 mm spacing Spacer Damper for Conductor | Tern                                | Trip                                   |
| 5   | 3X 570 mm spacing Spacer Damper for Conductor | Bersfort                            | Trip                                   |
| 6   | 3X 570 mm spacing Spacer Damper for Conductor | Dinosaur                            | Trip                                   |
| 7   | 3X 570 mm spacing Spacer Damper for Conductor | IEC315                              | Trip                                   |
| 8   | 3X 570 mm spacing Spacer Damper for Conductor | Kingbird                            | Trip                                   |
| 9   | 4X 380 mm spacing Spacer Damper for Conductor | Tern                                | Quad                                   |
| 10  | 4X 380 mm spacing Spacer Damper for Conductor | Wolf                                | Quad                                   |
| 11  | 4X 380 mm spacing Spacer Damper for Conductor | Zebra                               | Quad                                   |
| 12  | 4X 570 mm spacing Spacer Damper for Conductor | IEC560                              | Quad                                   |
| 13  | 6X 320 mm spacing Spacer Damper for Conductor | Tern                                | Hex                                    |
| 14  | Spacer Damper - twin bear                     | Bear                                | Twin                                   |
| 15  | Midspan Joints for Conductor                  | Bear                                | Twin                                   |
| 16  | Midspan Joints for Conductor                  | Bersfort                            | Trip                                   |
| 17  | Midspan Joints for Conductor                  | Dinosaur                            | Trip                                   |
| 18  | Midspan Joints for Conductor                  | Goat                                | Twin                                   |
| 19  | Midspan Joints for Conductor                  | IEC315                              | Trip                                   |
| 20  | Midspan Joints for Conductor                  | IEC560                              | Quad                                   |
| 21  | Midspan Joints for Conductor                  | Kingbird                            | Trip                                   |
| 22  | Midspan Joints for Conductor                  | Tern                                | Hex                                    |
| 23  | Midspan Joints for Conductor                  | Wolf                                | Quad                                   |
| 24  | Midspan Joints for Conductor                  | Zebra                               | Quad                                   |
| 25  | Vibration damper                              | Bear                                | Twin                                   |
| 26  | Strain Clamps – Straight type 10-13,5mm       |                                     |                                        |
| 27  | Midspan Joints -Dino                          |                                     |                                        |
| 28  | Midspan Joints -Zebra                         |                                     |                                        |
| 29  | Midspan Joints - Bersfort                     |                                     |                                        |
| 30  | Midspan Joints –Tern                          |                                     |                                        |
| 31  | Midspan Joints –Goat                          |                                     |                                        |
| 32  | Midspan Joints -Bear                          |                                     |                                        |
| 33  | Midspan Joints -Wolf                          |                                     |                                        |
| 34  | Midspan Joints – Horse                        |                                     |                                        |
| 35  | Midspan Joints - Tiger                        |                                     |                                        |
| 36  | Midspan Joint Compression –Earth wire 13,48mm |                                     |                                        |
| 37  | Compression Repair sleeves – Dino (short)     |                                     |                                        |
| 38  | Compression Repair sleeves- Bersfort          |                                     |                                        |
| 39  | Compression Repair sleeves - Zebra            |                                     |                                        |
| 40  | Compression Repair sleeves – Tern             |                                     |                                        |
| 41  | Compression Repair sleeves – Goat             |                                     |                                        |

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| 42 | Compression Repair sleeves - Bear           |  |  |
| 43 | Compression Repair sleeves – Wolf           |  |  |
| 44 | Compression Repair sleeves – Horse          |  |  |
| 45 | Compression Repair sleeves - Tiger          |  |  |
| 46 | Armour Rods/Helical Wraps –Dino - 36mm      |  |  |
| 47 | Armour Rods/Helical Wraps - Bersfort        |  |  |
| 48 | Armour Rods/Helical Wraps -Zebra            |  |  |
| 49 | Armour Rods/Helical Wraps –Tern             |  |  |
| 50 | Armour Rods/Helical Wraps –Goat             |  |  |
| 51 | Armour Rods/Helical Wraps -Bear             |  |  |
| 52 | Armour Rods/Helical Wraps – Wolf            |  |  |
| 53 | Armour Rods/Helical Wraps – Horse           |  |  |
| 54 | Armour Rods/Helical Wraps - Tiger           |  |  |
| 55 | Shackles-210kN                              |  |  |
| 56 | Shackles-300kN                              |  |  |
| 57 | Vibration damper - Dinosaur                 |  |  |
| 58 | Crosby clamps 19/2,70                       |  |  |
| 59 | Bird Flight Diverters - Black               |  |  |
| 60 | Bird Flight Diverters - White               |  |  |
| 61 | Aircraft Warning spheres - Red              |  |  |
| 62 | Aircraft warning spheres - White            |  |  |
| 63 |                                             |  |  |
| 64 | Suspension Clamps – 16 – 24mm               |  |  |
| 65 | Suspension Clamps – 25 – 40mm               |  |  |
| 66 | Suspension Clamps – Earth wire type 11-21mm |  |  |
| 67 | Compression Dead-end Clamp-Dino             |  |  |
| 68 | Compression Dead-end Clamp Bersfort         |  |  |
| 69 | Compression Dead-end Clamp-Zebra            |  |  |
| 70 | Compression Dead-end Clamp-Tern             |  |  |
| 71 | Compression Dead-end Clamp-Goat             |  |  |
| 72 | Compression Dead-end Clamp-Bear             |  |  |
| 73 | Compression Dead-end Clamp-Wolf             |  |  |
| 74 | Compression Dead-end Clamp - Horse          |  |  |
| 75 | Compression Dead-end Clamp - Tiger          |  |  |
| 76 | Compression Dead-end Clamp - Chicadee       |  |  |
| 77 | Compression Dead-end Clamp-IEC315           |  |  |
| 78 | Compression Dead-end Clamp-IEC560           |  |  |
| 79 | Strain Clamps – Straight type 10-13,5mm     |  |  |
| 80 | Midspan Joints -Dino                        |  |  |
| 81 | Midspan Joints -Zebra                       |  |  |
| 82 | Midspan Joints - Bersfort                   |  |  |
| 83 | Midspan Joints –Tern                        |  |  |
| 84 | Midspan Joints –Goat                        |  |  |
| 85 | Midspan Joints -Bear                        |  |  |
| 86 | Midspan Joints -Wolf                        |  |  |
| 87 | Midspan Joints – Horse                      |  |  |
| 88 | Midspan Joints - Tiger                      |  |  |

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| 89  | Midspan Joints - Chicadee                                                                                                 |  |  |
| 90  | Midspan Joints –IEC315                                                                                                    |  |  |
| 91  | Midspan Joints –IEC560                                                                                                    |  |  |
| 92  | Midspan Joint Compression – Earth wire 10.53mm                                                                            |  |  |
| 93  | Midspan Joint Compression –Earth wire 13,48mm                                                                             |  |  |
| 94  | Compression Repair sleeves – Dino (short)                                                                                 |  |  |
| 95  | Compression Repair sleeves- Bersfort                                                                                      |  |  |
| 96  | Compression Repair sleeves - Zebra                                                                                        |  |  |
| 97  | Compression Repair sleeves – Tern                                                                                         |  |  |
| 98  | Compression Repair sleeves – Goat                                                                                         |  |  |
| 99  | Compression Repair sleeves - Bear                                                                                         |  |  |
| 100 | Compression Repair sleeves – Wolf                                                                                         |  |  |
| 101 | Compression Repair sleeves – Horse                                                                                        |  |  |
| 102 | Compression Repair sleeves - Tiger                                                                                        |  |  |
| 103 | Compression Repair sleeves – IEC315                                                                                       |  |  |
| 104 | Compression Repair sleeves - IEC560                                                                                       |  |  |
| 105 | Pistol Grip/Cricket Bat Strain Clamps – 7.95 – 10.50mm                                                                    |  |  |
| 106 | Pistol Grip Strain/Cricket Bat Clamps – 11.50- 13.50mm                                                                    |  |  |
| 107 | Yoke Plates- triangle, trapezoidal, service, Y and Vee types                                                              |  |  |
| 108 | Triangular yoke for I assembly-210kN-with 450mm spacing                                                                   |  |  |
| 109 | Trapezoidal yoke for V assembly-210kN-450mm spacing                                                                       |  |  |
| 110 | Rectangular yoke- 450kN with 450mm spacing                                                                                |  |  |
| 111 | 765kv- suspension yoke                                                                                                    |  |  |
| 112 | 765kv strain yoke-live end                                                                                                |  |  |
| 113 | 765kV strain yoke dead end                                                                                                |  |  |
| 114 | I assembly triple yoke -450mm spacing-210kN                                                                               |  |  |
| 115 | V assembly triple yoke-450mm spacing-210kN                                                                                |  |  |
| 116 | Strain triple yoke- 600kN- 450mm spacing for 2x 300kN insulators                                                          |  |  |
| 117 | Strain V yoke- 600kN- 450mm spacing for 2x 300kN insulators for dead end to connect to tower-single attachment.           |  |  |
| 118 | Strain rectangular yoke- 600kN- 450mm spacing for 2x 300kN insulators for dead end to connect to tower-double attachment. |  |  |
| 119 | Armour Rods/Helical Wraps –Dino - 36mm                                                                                    |  |  |
| 120 | Armour Rods/Helical Wraps - Bersfort                                                                                      |  |  |
| 121 | Armour Rods/Helical Wraps -Zebra                                                                                          |  |  |
| 122 | Armour Rods/Helical Wraps –Tern                                                                                           |  |  |
| 123 | Armour Rods/Helical Wraps –Goat                                                                                           |  |  |

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| 124 | Armour Rods/Helical Wraps -Bear                                    |  |  |
| 125 | Armour Rods/Helical Wraps – Wolf                                   |  |  |
| 126 | Armour Rods/Helical Wraps – Horse                                  |  |  |
| 127 | Armour Rods/Helical Wraps - Tiger                                  |  |  |
| 128 | Armour Rods/Helical Wraps –IEC315                                  |  |  |
| 129 | Armour Rods/Helical Wraps -IEC560                                  |  |  |
| 130 | Socket Tongues –16mm, 120kN                                        |  |  |
| 131 | Socket Tongues – 20mm, 210kN                                       |  |  |
| 132 | Socket Tongues – 24mm, 300kN                                       |  |  |
| 133 | Socket Tongues – 28mm, 450kN                                       |  |  |
| 134 | Socket Clevis –16mm, 120kN                                         |  |  |
| 135 | Socket Clevis – 20mm, 120kn                                        |  |  |
| 136 | Socket Clevis – 24mm, 300kN                                        |  |  |
| 137 | Socket Clevis – 28mm, 450kN                                        |  |  |
| 138 | Ball Clevis –16mm, 120kN                                           |  |  |
| 139 | Ball Clevis – 20mm, 120kn                                          |  |  |
| 140 | BallClevis – 24mm, 300kN                                           |  |  |
| 141 | Ball Clevis-28mm-450kN                                             |  |  |
| 142 | Ball oval eyes –16mm, 120kN                                        |  |  |
| 143 | Ball oval eyes – 20mm, 120kn                                       |  |  |
| 144 | Balloval eyes – 24mm, 300kN                                        |  |  |
| 145 | Ball oval eyes-28mm-                                               |  |  |
| 146 | Junction Plates – Universal                                        |  |  |
| 147 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Twin -Dinosaur  |  |  |
| 148 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Twin - Bersfort |  |  |
| 149 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Twin - Zebra    |  |  |
| 150 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Twin - Tern     |  |  |
| 151 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Twin - Goat     |  |  |
| 152 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Twin - Bear     |  |  |
| 153 | Conductor Spacers, 570mm Spacing, Helical Wraps<br>Trip -Dinosaur  |  |  |
| 154 | Conductor Spacers, 570mm Spacing, Helical Wraps<br>Trip - Bersfort |  |  |
| 155 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Trip - Zebra    |  |  |
| 156 | Conductor Spacers, 450mm Spacing, Helical Wraps<br>Trip - Tern     |  |  |
| 157 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Trip - IEC315   |  |  |
| 158 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Quad - Bersfort |  |  |

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| 159 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Quad - Zebra          |  |  |
| 160 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Quad - Tern           |  |  |
| 161 | Conductor Spacers, 380mm Spacing, Helical Wraps<br>Quad - IEC560         |  |  |
| 162 | Conductor Spacers, 320mm Spacing, Helical Wraps<br>Hex - Tern            |  |  |
| 163 | Conductor Spacers, Twin Bolted O Ring Type - 380mm<br>Spacing - Dinosaur |  |  |
| 164 | Conductor Spacers, Twin Bolted O Ring Type - 380mm<br>Spacing - Bersfort |  |  |
| 165 | Conductor Spacers, Twin Bolted O Ring Type - 380mm<br>Spacing - Zebra    |  |  |
| 166 | Conductor Spacers, Twin Bolted O Ring Type - 380mm<br>Spacing - Tern     |  |  |
| 167 | Conductor Spacers, Twin Bolted O Ring Type - 380mm<br>Spacing - Goat     |  |  |
| 168 | Conductor Spacers, Twin Bolted O Ring Type - 380mm<br>Spacing - Bear     |  |  |
| 169 | Conductor Spacers, Trip Bolted Rigid Type - 380mm<br>Spacing - Dinosaur  |  |  |
| 170 | Conductor Spacers, Trip Bolted Rigid Type - 380mm<br>Spacing - Bersfort  |  |  |
| 171 | Conductor Spacers, Trip Bolted Rigid Type - 380mm<br>Spacing - Zebra     |  |  |
| 172 | Conductor Spacers, Trip Bolted Rigid Type - 380mm<br>Spacing - Tern      |  |  |
| 173 | Conductor Spacers, Trip Bolted Rigid Type - 380mm<br>Spacing - IEC315    |  |  |
| 174 | Conductor Spacers, Quad Bolted Rigid Type - 380mm<br>Spacing - Bersfort  |  |  |
| 175 | Conductor Spacers, Quad Bolted Rigid Type - 380mm<br>Spacing - Zebra     |  |  |
| 176 | Conductor Spacers, Quad Bolted Rigid Type - 380mm<br>Spacing - Tern      |  |  |
| 177 | Conductor Spacers, Quad Bolted Rigid Type - 380mm<br>Spacing - IEC560    |  |  |
| 178 | Conductor Spacers, Hex Bolted Rigid Type - 380mm<br>Spacing - Bull       |  |  |
| 179 | Shackles-120kN                                                           |  |  |
| 180 | Shackles-210kN                                                           |  |  |
| 181 | Shackles-300kN                                                           |  |  |
| 182 | Shackles-450kN                                                           |  |  |
| 183 | Shackles-600kN                                                           |  |  |
| 184 | Shackles-900kN                                                           |  |  |
| 185 | Adjustable Extension links-min 300mm-210kN                               |  |  |

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| 186 | Adjustable Extension links-min 300mm-450kN                  |  |  |
| 187 | Chain links- 120kN                                          |  |  |
| 188 | Chain links- 210kN                                          |  |  |
| 189 | Vibration damper - Dinosaur                                 |  |  |
| 190 | Vibration damper - Bersfort                                 |  |  |
| 191 | Vibration damper - Zebra                                    |  |  |
| 192 | Vibration damper - Tern                                     |  |  |
| 193 | Vibration damper - Goat                                     |  |  |
| 194 | Vibration damper - Bear                                     |  |  |
| 195 | Vibration damper - IEC315                                   |  |  |
| 196 | Vibration damper - IEC560                                   |  |  |
| 197 | Vibration damper - 19/2,70                                  |  |  |
| 198 | Tee off Clamps (Bersfort bolted to Bersfort Compressed)     |  |  |
| 199 | Tee off Clamps (Tern bolted to Tern Compressed)             |  |  |
| 200 | Parallel groove clamps                                      |  |  |
| 201 | Sag adjuster 210kN                                          |  |  |
| 202 | Sag adjuster 120kN                                          |  |  |
| 203 | Crosby clamps 19/2,70                                       |  |  |
| 204 | Bird Flight Diverters - Black                               |  |  |
| 205 | Bird Flight Diverters - White                               |  |  |
| 206 | Aircraft Warning spheres - Red                              |  |  |
| 207 | Aircraft warning spheres - White                            |  |  |
| 208 | Earth wire Suspension Assembly                              |  |  |
| 209 | Earth wire Insulator (Composite types)                      |  |  |
| 210 | Earth wire Mid-span joints Compression ( Size 17.8)         |  |  |
| 211 | Preform repair for steel earth wire                         |  |  |
| 212 | Earth wire Full Tension joints                              |  |  |
| 213 | Preform Repair Aluminum Zambezi Conductor ( )               |  |  |
| 214 | Repair Sleeves compression Zambezi conductor (Full Tension) |  |  |
| 215 | Repair Sleeves compression Zambezi conductor (Non-Tension)  |  |  |
| 216 | Damper Spacers Quad Zambezi conductor                       |  |  |
| 217 | Crossing labels                                             |  |  |
| 218 | Vibration Dampers - Shieldwire                              |  |  |
| 219 | Conductor Vibration Dampers - Zambezi                       |  |  |
| 220 | Shield Wire Dampers - 533kV Oden                            |  |  |
| 221 | Suspension Clamps                                           |  |  |
| 222 | Compression Dead-end Clamp- Oden                            |  |  |
| 223 | Compression Dead-end Clamp- Zambezi                         |  |  |
| 224 | Strain Clamps – Straight type 10-13,5mm                     |  |  |
| 225 | Midspan Joints -Oden                                        |  |  |
| 226 | Midspan Joints -Zambezi                                     |  |  |
| 227 | Midspan Joint Compression – Earth wire 17.80mm              |  |  |
| 228 | Compression Repair sleeves – Oden (short)                   |  |  |
| 229 | Compression Repair sleeves- Zambezi (Long)                  |  |  |

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| Offered (X)               | Not Offered (X) | Estimated Quantities | Unit Price |
|                           |                 | 630                  |            |
|                           |                 | 621                  |            |
|                           |                 | 70                   |            |
|                           |                 | 19397                |            |
|                           |                 | 3214                 |            |
|                           |                 | 306                  |            |
|                           |                 | 35432                |            |
|                           |                 | 90                   |            |
|                           |                 | 5136                 |            |
|                           |                 | 76                   |            |
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|                           |                 | 2151                 |            |
|                           |                 | 55154                |            |
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|                           |                 | 26                   |            |
|                           |                 | 879                  |            |
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|                           |                 | 120                  |            |
|                           |                 | 5770                 |            |
|                           |                 | 424                  |            |
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