

ANÁLISIS DE COSTOS UNITARIOS

|                      |                                                            |                            |        |
|----------------------|------------------------------------------------------------|----------------------------|--------|
| CODIGO:              | ATBV3                                                      | COSTO MATERIALES US(\$):   | 813.80 |
| ARMADO:              | ARMADO TRIFÁSICO EN BANDERA VERTICAL DE ANCLAJE CON CADENA | COSTO MANO DE OBRA US(\$): | 104.16 |
| NIVEL DE TENSIÓN:    | 22.9 kV                                                    | COSTO EQUIPO US(\$):       | 0.00   |
| ESTRUCTURA:          | CONCRETO                                                   | % HERRAM. MO:              | 5.00   |
| RENDIMIENTO Un/Jorn: | 1                                                          | COSTO HERRAM. US (\$):     | 40.69  |
| JORNAL (Hrs):        | 8                                                          | COSTO TOTAL US (\$):       | 958.65 |

| ÍTEM | CÓDIGO ELSE | CODIGO SICODI | INSUMO                                                                                              | UND. | CUAD. | CANT. | C.U. US (\$) | PARCIAL US (\$) |
|------|-------------|---------------|-----------------------------------------------------------------------------------------------------|------|-------|-------|--------------|-----------------|
| 1    | I-LP060202  | AP504         | AISLADOR DE PORCELANA TIPO PIN ANSI 56-3                                                            | Und. | 0.00  | 3.00  | 19.22        | 57.66           |
| 2    | I-LP070101  | ASS01         | AISLADOR DE PORCELANA TIPO SUSPENSION 52-3                                                          | Und. | 0.00  | 12.00 | 6.43         | 77.16           |
| 3    | I-LP130204  | AXC18         | ESPIGA PARA CRUCETA L= 203 + 178 mm, D= 28,6 mm, DR= 35 mm, PARA AISLADOR PIN ANSI 56-3 C/T/C/A/AP  | Und. | 0.00  | 3.00  | 4.25         | 12.75           |
| 4    | I-LP140301  | AXA04         | ADAPTADOR CASQUILLO OJO LARGO                                                                       | Und. | 0.00  | 6.00  | 2.27         | 13.62           |
| 5    | I-LP140601  | AXA02         | ADAPTADOR HORQUILLA BOLA                                                                            | Und. | 0.00  | 6.00  | 2.41         | 14.46           |
| 6    | I-LP150402  | CXP12         | VARILLA DE ARMAR PREFORMADA SIMPLE DE AL DE 1117 mm, 8 HILOS,PARA CONDUCTOR DE AL 35 mm²            | Und. | 0.00  | 3.00  | 1.4          | 4.20            |
| 7    | I-LP150701  | CXX09         | CINTA PLANA DE ARMAR DE ALUMINIO                                                                    | Und. | 0.00  | 6.00  | 0.26         | 1.56            |
| 8    | I-LP150901  | CXX05         | ALAMBRE DE AMARRE DE ALUMINIO DE 10 mm²                                                             | m    | 0.00  | 7.50  | 2.18         | 16.35           |
| 9    | I-LP151001  | AXG01         | GRAPA DE ANCLAJE TIPO PISTOLA DE DOS PERNOS PARA CONDUCTORES DE SECCIÓN 16 a 50 mm²                 | Und. | 0.00  | 6.00  | 4.7          | 28.20           |
| 10   | I-LP151404  | FKX10         | CONECTOR DE DOBLE VIA AI-AI DE DOS PERNOS 16-120mm²                                                 | Und. | 0.00  | 3.00  | 0.99         | 2.97            |
| 11   | I-LP180238  | PAA07         | ABRAZADERA TIPO CAS DOBLE DE 75 mm, E=6,4 mm, D=260 mm C/4P/4T/4C/8A/4AP                            | Und. | 0.00  | 1.00  | 6.29         | 6.29            |
| 12   | I-LP181029  | PCB14         | PERFIL ANGULAR DE FIERRO GALVANIZADO DE 75x75x2075 mm., E=6,4mm                                     | Und. | 0.00  | 2.00  | 26.27        | 52.54           |
| 13   | I-LP181031  | PCF03         | CRUCETA DE PERFIL ANGULAR DE FIERRO GALVANIZADO DE 75x75x2500 mm, E=6.4 mm, 1 DADO 200 mm IZQUIERDA | Und. | 0.00  | 3.00  | 61.45        | 184.35          |
| 14   | I-LP181032  | PCF03         | CRUCETA DE PERFIL ANGULAR DE FIERRO GALVANIZADO DE 75x75x2500 mm, E=6.4 mm, 1 DADO 200 mm DERECHA   | Und. | 0.00  | 3.00  | 61.45        | 184.35          |
| 15   | I-LP181202  | AXA01         | GRILLETE DE ANCLAJE TIPO RECTO D=16mm C/PASADOR DE SEGURIDAD                                        | Und. | 0.00  | 6.00  | 1.7          | 10.20           |
| 16   | I-LP181807  | FPD06         | PERNO DOBLE ARMADO 16 mm, L= 508 mm, CR=77kN C/2T/2C/4A/2AP                                         | Und. | 0.00  | 12.00 | 3.09         | 37.08           |
| 17   | I-LP182321  | PCB14         | RIOSTRA DE PERFIL ANGULAR DE F°G° 75x75x1610 mm. E=6,4 mm.                                          | Und. | 0.00  | 2.00  | 26.27        | 52.54           |
| 18   | I-LP182323  | PCB14         | RIOSTRA DE PERFIL ANGULAR DE F°G° 75x75x2245 mm. E=6,4 mm.                                          | Und. | 0.00  | 2.00  | 26.27        | 52.54           |
| 19   | I-LP182902  | FTO01         | TUERCA OJO, D= 16 mm                                                                                | Und. | 0.00  | 6.00  | 0.83         | 4.98            |
| 20   | R-REC001    | REC03         | OPERARIO                                                                                            | Und. | 2.00  | 16.00 | 4.64         | 74.24           |
| 21   | R-REC002    | REC04         | PEON                                                                                                | Und. | 1.00  | 8.00  | 3.74         | 29.92           |