

ANÁLISIS DE COSTOS UNITARIOS

|                      |                                             |                            |        |
|----------------------|---------------------------------------------|----------------------------|--------|
| CODIGO:              | AT5                                         | COSTO MATERIALES US(\$):   | 238.12 |
| ARMADO:              | ARMADO TRIFÁSICO DE FIN DE LÍNEA CON CADENA | COSTO MANO DE OBRA US(\$): | 26.04  |
| NIVEL DE TENSIÓN:    | 13.2 kV                                     | COSTO EQUIPO US(\$):       | 0.00   |
| ESTRUCTURA:          | CONCRETO                                    | % HERRAM. MO:              | 5.00   |
| RENDIMIENTO Un/Jorn: | 4                                           | COSTO HERRAM. US (\$):     | 11.91  |
| JORNAL (Hrs):        | 8                                           | COSTO TOTAL US (\$):       | 276.07 |

| ÍTEM | CÓDIGO<br>ELSE | CODIGO<br>SICODI | INSUMO                                                                                     | UND. | CUAD. | CANT. | C.U.<br>US (\$) | PARCIAL<br>US (\$) |
|------|----------------|------------------|--------------------------------------------------------------------------------------------|------|-------|-------|-----------------|--------------------|
| 1    | I-LP070101     | ASS01            | AISLADOR DE PORCELANA TIPO SUSPENSION 52-3                                                 | Und. | 0.00  | 6.00  | 6.43            | 38.58              |
| 2    | I-LP140301     | AXA04            | ADAPTADOR CASQUILLO OJO LARGO                                                              | Und. | 0.00  | 3.00  | 2.27            | 6.81               |
| 3    | I-LP140601     | AXA02            | ADAPTADOR HORQUILLA BOLA                                                                   | Und. | 0.00  | 3.00  | 2.41            | 7.23               |
| 4    | I-LP150701     | CXX09            | CINTA PLANA DE ARMAR DE ALUMINIO                                                           | Und. | 0.00  | 3.00  | 0.26            | 0.78               |
| 5    | I-LP151001     | AXG01            | GRAPA DE ANCLAJE TIPO PISTOLA DE DOS PERNOS PARA CONDUCTORES DE SECCIÓN 16 a 50 mm²        | Und. | 0.00  | 3.00  | 4.7             | 14.10              |
| 6    | I-LP180107     | RXA01            | ABRAZADERA PARA ARMADO VERTICAL de 75 mm, E= 6,4 mm, D=165 mm C/3P/3T/3C/6A/3AP            | Und. | 0.00  | 1.00  | 7.91            | 7.91               |
| 7    | I-LP180209     | PAA07            | ABRAZADERA TIPO CAS DOBLE DE 64 mm, E=6,4 mm, D=170 mm C/4P/4T/4C/8A/4AP                   | Und. | 0.00  | 1.00  | 6.29            | 6.29               |
| 8    | I-LP181040     | PCF03            | CRUCETA DE PERFIL ANGULAR DE FIERRO GALVANIZADO DE 75x75x1500 mm., E=6.4mm, 2 DADOS 100 mm | Und. | 0.00  | 2.00  | 61.45           | 122.90             |
| 9    | I-LP181202     | AXA01            | GRILLETE DE ANCLAJE TIPO RECTO D=16mm C/PASADOR DE SEGURIDAD                               | Und. | 0.00  | 3.00  | 1.7             | 5.10               |
| 10   | I-LP181804     | FPD05            | PERNO DOBLE ARMADO 16 mm, L= 457 mm, CR=55kN C/2T/2C/4A/2AP                                | Und. | 0.00  | 4.00  | 2.01            | 8.04               |
| 11   | I-LP182001     | FPM01            | PERNO MAQUINADO L= 50 mm, D= 13 mm C/T/C/2A/AP                                             | Und. | 0.00  | 4.00  | 0.64            | 2.56               |
| 12   | I-LP182302     | PCB06            | RIOSTRA DE PERFIL ANGULAR DE F*G* 38x38x710 mm. E= 5 mm.                                   | Und. | 0.00  | 4.00  | 4.04            | 16.16              |
| 13   | I-LP182902     | FTO01            | TUERCA OJO, D= 16 mm                                                                       | Und. | 0.00  | 2.00  | 0.83            | 1.66               |
| 14   | R-REC001       | REC03            | OPERARIO                                                                                   | Und. | 2.00  | 4.00  | 4.64            | 18.56              |
| 15   | R-REC002       | REC04            | PEON                                                                                       | Und. | 1.00  | 2.00  | 3.74            | 7.48               |