

**CUADRO Nº 02 - REPORTE DE PLANILLA
VALORIZACION Nº 006 / ENERO DEL 2019
PRESUPUESTO PRINCIPAL
SECCION Nº 01 - LINEAS PRIMARIAS**

PROYECTO : "CREACIÓN DEL SERVICIO DE ENERGÍA ELÉCTRICA MEDIANTE SISTEMA CONVENCIONAL EN LAS LOCALIDADES Y/O SECTORES DE LAS PROVINCIAS DE MOYOBAMBA Y LAMAS, DEPARTAMENTO DE SAN MARTÍN".

LICITACION PUBLICA : LP Nº 004-2018-EO-SM PRIMERA CONVOCATORIA

CONTRATO Nº : GS - 073 - 2018

UNIDAD EJECUTORA : PROYECTOS Y OBRAS

CONSULTOR : ESTEBAN EDILBERTO BRAVO DEXTRE

JEFE DE SUPERVISION : ING. JORGE LUIS SERVA GUTIERREZ

ENTIDAD : ELECTRO ORIENTE S.A.

CONTRATISTA : CONSORCIO ALTO MAYO

VALORIZACIÓN Nº : 006

| ITEM | DESCRIPCION DE PARTIDAS | CONTRACTUAL | | | | ACUMULADO ANTERIOR | | | AVANCE DEL MES | | | ACUMULADO ACTUAL | | | SALDO POR VALORIZAR | | |
|-------------|--|-------------|----------|--------------|------------------|--------------------|------------------|---------|----------------|--------------|-------|------------------|------------------|---------|---------------------|-----------------|--------|
| | | METRADO | | PRECIO (S/.) | | METRADO | PRECIO (S/.) | (%) | METRADO | PRECIO (S/.) | (%) | METRADO | PRECIO (S/.) | (%) | METRADO | PRECIO (S/.) | (%) |
| | | UNID | CANT | UNIT | TOTAL | | | | | | | | | | | | |
| A | <u>SUMINISTRO DE MATERIALES</u> | | | | | | | | | | | | | | | | |
| 1.00 | <u>CRUCETAS DE MADERA</u> | | | | | | | | | | | | | | | | |
| 1.01 | Cruceta de madera tratada de 90 mm x 115 mm x 1,50 m | u | 18.00 | 87.58 | 1,576.36 | 10.00 | 875.76 | 55.56% | | 0.00 | 0.00% | 10.00 | 875.76 | 55.56% | 8.00 | 700.60 | 44.44% |
| 1.02 | Cruceta de madera tratada de 90 mm x 115 mm x 2,40 m | u | 102.00 | 131.13 | 13,375.41 | 102.00 | 13,375.41 | 100.00% | | 0.00 | 0.00% | 102.00 | 13,375.41 | 100.00% | 0.00 | 0.00 | 0.00% |
| | SUB-TOTAL 1: | | | | 14,951.77 | | 14,251.17 | 95.31% | | 0.00 | 0.00% | | 14,251.17 | 95.31% | | 700.60 | 4.69% |
| 2.00 | <u>POSTES DE CONCRETO ARMADO CENTRIFUGADO</u> | | | | | | | | | | | | | | | | |
| 2.01 | Poste de C.A.C. de 12 m/200 daN (Incluye perilla) | u | 16.00 | 716.75 | 11,468.01 | 10.00 | 7,167.51 | 62.50% | | 0.00 | 0.00% | 10.00 | 7,167.51 | 62.50% | 6.00 | 4,300.50 | 37.50% |
| 2.02 | Poste de C.A.C. de 12 m/300 daN (Incluye perilla) | u | 52.00 | 797.82 | 41,486.54 | 46.00 | 36,699.63 | 88.46% | | 0.00 | 0.00% | 46.00 | 36,699.63 | 88.46% | 6.00 | 4,786.91 | 11.54% |
| | SUB-TOTAL 2: | | | | 52,954.55 | | 43,867.14 | 82.84% | | 0.00 | 0.00% | | 43,867.14 | 82.84% | | 9,087.41 | 17.16% |
| 3.00 | <u> AISLADORES Y ACCESORIOS</u> | | | | | | | | | | | | | | | | |
| 3.01 | Aislador de Porcelana Tipo Pin, Clase ANSI 56-3 | u | 98.00 | 77.50 | 7,594.83 | 98.00 | 7,594.83 | 100.00% | | 0.00 | 0.00% | 98.00 | 7,594.83 | 100.00% | 0.00 | 0.00 | 0.00% |
| 3.02 | Espiga de A"G" de 609 mm longitud, para Cabeza de Poste y Aislador ANSI 56-3 | u | 2.00 | 27.28 | 54.55 | 2.00 | 54.55 | 100.00% | | 0.00 | 0.00% | 2.00 | 54.55 | 100.00% | 0.00 | 0.00 | 0.00% |
| 3.03 | Espiga de A"G" para Cruceta y Aislador 56-3, de 381 mm longitud y Accesorios | u | 96.00 | 31.89 | 3,061.63 | 96.00 | 3,061.63 | 100.00% | | 0.00 | 0.00% | 96.00 | 3,061.63 | 100.00% | 0.00 | 0.00 | 0.00% |
| | SUB-TOTAL 3: | | | | 10,711.01 | | 10,711.01 | 100.00% | | 0.00 | 0.00% | | 10,711.01 | 100.00% | | 0.00 | 0.00% |
| 4.00 | <u> AISLADORES DE SUSPENSIÓN Y ACCESORIOS</u> | | | | | | | | | | | | | | | | |
| 4.01 | Aislador Polimérico con Conexión Horquilla (Estructura) y Lengüeta (Línea) de 36 kV, según Especificación Técnica. | u | 112.00 | 64.36 | 7,208.07 | 86.00 | 5,534.77 | 76.79% | | 0.00 | 0.00% | 86.00 | 5,534.77 | 76.79% | 26.00 | 1,673.30 | 23.21% |
| | SUB-TOTAL 4: | | | | 7,208.07 | | 5,534.77 | 76.79% | | 0.00 | 0.00% | | 5,534.77 | 76.79% | | 1,673.30 | 23.21% |
| 5.00 | <u> CONDUCTOR DE ALEACIÓN DE ALUMINIO</u> | | | | | | | | | | | | | | | | |
| 5.01 | Conductor de Aleación de Aluminio de 35 mm² | km | 19.52 | 1,272.79 | 24,845.72 | 19.47 | 24,781.22 | 99.74% | | 0.00 | 0.00% | 19.47 | 24,781.22 | 99.74% | 0.05 | 64.50 | 0.26% |
| | SUB-TOTAL 5: | | | | 24,845.72 | | 24,781.22 | 99.74% | | 0.00 | 0.00% | | 24,781.22 | 99.74% | | 64.50 | 0.26% |
| 6.00 | <u> ACCESORIOS PARA CONDUCTOR DE ALEACION ALUMINIO</u> | | | | | | | | | | | | | | | | |
| 6.01 | Varilla de Armar preformada Simple para Conductor de 35 mm² | u | 42.00 | 7.40 | 310.74 | 40.00 | 295.94 | 95.24% | | 0.00 | 0.00% | 40.00 | 295.94 | 95.24% | 2.00 | 14.80 | 4.76% |
| 6.02 | Varilla de Armar preformada Doble para Conductor de 35 mm² | u | 12.00 | 8.51 | 102.09 | 12.00 | 102.09 | 100.00% | | 0.00 | 0.00% | 12.00 | 102.09 | 100.00% | 0.00 | 0.00 | 0.00% |
| 6.03 | Grapa de Doble Via de Aluminio para Conductor de 35 mm² | u | 46.00 | 6.31 | 290.10 | 46.00 | 290.10 | 100.00% | | 0.00 | 0.00% | 46.00 | 290.10 | 100.00% | 0.00 | 0.00 | 0.00% |
| 6.04 | Alambre de Amarre Aluminio Recocido de 16 mm² | m | 250.00 | 1.05 | 263.17 | 250.00 | 263.17 | 100.00% | | 0.00 | 0.00% | 250.00 | 263.17 | 100.00% | 0.00 | 0.00 | 0.00% |
| 6.05 | Amortiguador de Vibración Tipo Stockbridge para Conductor de 35 mm² | u | 106.00 | 32.80 | 3,476.41 | 52.00 | 1,705.41 | 49.06% | | 0.00 | 0.00% | 52.00 | 1,705.41 | 49.06% | 54.00 | 1,771.00 | 50.94% |
| 6.06 | Grapa de Angulo para Conductor de 35 mm² | u | 4.00 | 25.44 | 101.76 | 4.00 | 101.76 | 100.00% | | 0.00 | 0.00% | 4.00 | 101.76 | 100.00% | 0.00 | 0.00 | 0.00% |
| 6.07 | Grapa de Anclaje para Conductor de 35 mm² | u | 110.00 | 22.05 | 2,425.36 | 78.00 | 1,719.80 | 70.91% | | 0.00 | 0.00% | 78.00 | 1,719.80 | 70.91% | 32.00 | 705.56 | 29.09% |
| 6.08 | Cinta plana de armar de aluminio de 7,6 mmx1.3 de espesor | m | 112.00 | 2.01 | 224.56 | 93.60 | 187.67 | 83.57% | | 0.00 | 0.00% | 93.60 | 187.67 | 83.57% | 18.40 | 36.89 | 16.43% |
| | SUB-TOTAL 6: | | | | 7,194.19 | | 4,665.94 | | | 0.00 | | | 4,665.94 | | | 2,528.25 | |
| 7.00 | <u> CONDUCTOR DE COBRE</u> | | | | | | | | | | | | | | | | |
| 7.01 | Conductor de Cobre Recocido, Cableado, de 16 mm², para Puesta a Tierra | m | 1,359.80 | 4.25 | 5,785.94 | 1,300.80 | 5,534.89 | 95.66% | | 0.00 | 0.00% | 1,300.80 | 5,534.89 | 95.66% | 59.00 | 251.05 | 4.34% |
| | SUB-TOTAL 7: | | | | 5,785.94 | | 5,534.89 | | | 0.00 | | | 5,534.89 | | | 251.05 | |
| 8.00 | <u> MATERIAL DE FERRETERIA PARA POSTES Y CRUCETAS</u> | | | | | | | | | | | | | | | | |
| 8.01 | Perno Cabeza Coche de A"G" de 13 mm Ø x 152 mm longitud, 76 mm maquinado, con Arandela, Tuerca y Contratuerca | u | 222.00 | 4.22 | 936.85 | 180.00 | 759.61 | 81.08% | | 0.00 | 0.00% | 180.00 | 759.61 | 81.08% | 42.00 | 177.24 | 18.92% |
| 8.02 | Perno de A"G" de 13 mm Ø x 254 mm, provisto de Tuerca y Contratuerca | u | 83.00 | 10.80 | 896.36 | 61.00 | 658.77 | 73.49% | | 0.00 | 0.00% | 61.00 | 658.77 | 73.49% | 22.00 | 237.59 | 26.51% |
| 8.03 | Perno de A"G" de 16 mm Ø x 305 mm, provisto de Tuerca y Contratuerca | u | 46.00 | 14.06 | 646.94 | 27.00 | 379.73 | 58.70% | | 0.00 | 0.00% | 27.00 | 379.73 | 58.70% | 19.00 | 267.21 | 41.30% |

**CUADRO Nº 02 - REPORTE DE PLANILLA
VALORIZACION Nº 006 / ENERO DEL 2019
PRESUPUESTO PRINCIPAL
SECCION Nº 01 - LÍNEAS PRIMARIAS**

PROYECTO : "CREACIÓN DEL SERVICIO DE ENERGÍA ELÉCTRICA MEDIANTE SISTEMA CONVENCIONAL EN LAS LOCALIDADES Y/O SECTORES DE LAS PROVINCIAS DE MOYOBAMBA Y LAMAS, DEPARTAMENTO DE SAN MARTÍN".

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CONTRATISTA : CONSORCIO ALTO MAYO

VALORIZACIÓN Nº : 006

| ITEM | DESCRIPCION DE PARTIDAS | CONTRACTUAL | | | | ACUMULADO ANTERIOR | | | AVANCE DEL MES | | | ACUMULADO ACTUAL | | | SALDO POR VALORIZAR | | |
|---------------------------------------|---|-------------|--------|--------------|-------------------|--------------------|-------------------|---------------|----------------|--------------|--------------|-------------------|------------------|------------------|---------------------|-----------------|---------------|
| | | METRADO | | PRECIO (S/.) | | METRADO | PRECIO (S/.) | (%) | METRADO | PRECIO (S/.) | (%) | METRADO | PRECIO (S/.) | (%) | METRADO | PRECIO (S/.) | (%) |
| | | UNID | CANT | UNIT | TOTAL | | | | | | | | | | | | |
| A | SUMINISTRO DE MATERIALES | | | | | | | | | | | | | | | | |
| 8.04 | Perno Doble Armado de A°G° de 16 mm Ø x 457 mm, provisto de 4 Tuercas y 4 Contratuercas | u | 109.00 | 24.07 | 2,623.88 | 98.00 | 2,359.08 | 89.91% | | 0.00 | 0.00% | 98.00 | 2,359.08 | 89.91% | 11.00 | 264.80 | 10.09% |
| 8.05 | Perno Ojo de A°G° de 16 mm Ø x 254 mm, provisto de Tuerca y Contratuercas | u | 10.00 | 18.24 | 182.43 | 10.00 | 182.43 | 100.00% | | 0.00 | 0.00% | 10.00 | 182.43 | 100.00% | 0.00 | 0.00 | 0.00% |
| 8.06 | Tuerca-Ojo para Perno de 16 mm Ø | u | 104.00 | 7.92 | 823.42 | 58.00 | 459.22 | 55.77% | | 0.00 | 0.00% | 58.00 | 459.22 | 55.77% | 46.00 | 364.21 | 44.23% |
| 8.07 | Brazo-Soporte (Riostra) de Perfil Angular de A°G° de 38 x 38 x 5 mm y 710 mm longitud | u | 222.00 | 21.04 | 4,671.31 | 180.00 | 3,787.55 | 81.08% | | 0.00 | 0.00% | 180.00 | 3,787.55 | 81.08% | 42.00 | 883.76 | 18.92% |
| 8.08 | Arandela Cuadrada Plana de A° G°, 57 x 57 x 5 mm, Agujero de 18 mm Ø | u | 394.00 | 1.66 | 653.43 | 351.00 | 582.12 | 89.09% | | 0.00 | 0.00% | 351.00 | 582.12 | 89.09% | 43.00 | 71.31 | 10.91% |
| 8.09 | Arandela Cuadrada curva de A° G°, 57 x 57 x 5 mm, Agujero de 18 mm Ø | u | 85.00 | 1.69 | 143.55 | 85.00 | 143.55 | 100.00% | | 0.00 | 0.00% | 85.00 | 143.55 | 100.00% | 0.00 | 0.00 | 0.00% |
| 8.10 | Arandela Cuadrada Plana de A° G°, 57 x 57 x 5 mm, Agujero de 14 mm Ø | u | 14.00 | 2.03 | 28.46 | 14.00 | 28.46 | 100.00% | | 0.00 | 0.00% | 14.00 | 28.46 | 100.00% | 0.00 | 0.00 | 0.00% |
| 8.11 | Plantillas para Identificación y/o codificación de Postes (Peligro, Identificación y/o codificación y Fases) | Jgo. | 9.00 | 29.92 | 269.27 | 9.00 | 269.27 | 100.00% | | 0.00 | 0.00% | 9.00 | 269.27 | 100.00% | 0.00 | 0.00 | 0.00% |
| | SUB-TOTAL 8: | | | | 11,875.90 | | 9,609.79 | 80.92% | | 0.00 | 0.00% | | 9,609.79 | 80.92% | | 2,266.12 | 19.08% |
| 9.00 | RETENIDAS Y ANCLAJES | | | | | | | | | | | | | | | | |
| 9.01 | Cable de Acero Grado Siemens Martin, de 13 mm Ø, 7 hilos | m | 726.00 | 5.55 | 4,028.14 | 726.00 | 4,028.14 | 100.00% | | 0.00 | 0.00% | 726.00 | 4,028.14 | 100.00% | 0.00 | 0.00 | 0.00% |
| 9.02 | Varilla de Anclaje de A°G° de 16 mm Ø x 2,40 m, provisto de Ojal Guardacabo en un extremo; Tuerca y Contratuercas | u | 52.00 | 93.15 | 4,843.80 | 52.00 | 4,843.80 | 100.00% | | 0.00 | 0.00% | 52.00 | 4,843.80 | 100.00% | 0.00 | 0.00 | 0.00% |
| 9.03 | Mordaza Preformada de A°G° para Cable de 13 mm Ø | u | 104.00 | 7.78 | 809.53 | 104.00 | 809.53 | 100.00% | | 0.00 | 0.00% | 104.00 | 809.53 | 100.00% | 0.00 | 0.00 | 0.00% |
| 9.04 | Alambre de Acero Nº 12 para Entorchado | m | 156.00 | 0.80 | 124.92 | 156.00 | 124.92 | 100.00% | | 0.00 | 0.00% | 156.00 | 124.92 | 100.00% | 0.00 | 0.00 | 0.00% |
| 9.05 | Arandela de Anclaje de A°G°, 102 x 102 x 6,35 mm, Agujero de 18 mmø | u | 52.00 | 4.39 | 228.23 | 52.00 | 228.23 | 100.00% | | 0.00 | 0.00% | 52.00 | 228.23 | 100.00% | 0.00 | 0.00 | 0.00% |
| 9.06 | Enlace metálico, de 254 mm x 75 mm x 38 mm, de 70 kN de resistencia | u | 104.00 | 20.02 | 2,082.28 | 104.00 | 2,082.28 | 100.00% | | 0.00 | 0.00% | 104.00 | 2,082.28 | 100.00% | 0.00 | 0.00 | 0.00% |
| 9.07 | Soporte de Contrapunta de 51 mm ø x 1200 mm de longitud, con Abrazadera partida en un extremo y Grapa de Ajuste para Cable en el otro | u | 1.00 | 90.64 | 90.64 | | 0.00 | 0.00% | | 0.00 | 0.00% | 0.00 | 0.00 | 0.00% | 1.00 | 90.64 | 100.00% |
| 9.08 | Bloque de Concreto de 0,40 x 0,40 x 0,15 m | u | 52.00 | 38.26 | 1,989.52 | 52.00 | 1,989.52 | 100.00% | | 0.00 | 0.00% | 52.00 | 1,989.52 | 100.00% | 0.00 | 0.00 | 0.00% |
| 9.09 | Abrazadera de 4 sectores para Retenida, de 75 mm de altura, 6,35 mm de espesor y 70 kN de resistencia. Diámetro 13 mm | u | 52.00 | 46.29 | 2,407.29 | 52.00 | 2,407.29 | 100.00% | | 0.00 | 0.00% | 52.00 | 2,407.29 | 100.00% | 0.00 | 0.00 | 0.00% |
| 9.10 | Aislador Polimerico con Conexión Horquilla (Estructura) y Lengüeta (Linea) de 36 kV, según Especificación T-10 | u | 52.00 | 64.36 | 3,346.61 | 52.00 | 3,346.61 | 100.00% | | 0.00 | 0.00% | 52.00 | 3,346.61 | 100.00% | 0.00 | 0.00 | 0.00% |
| 9.11 | Grillete de Acero de 70 Kn | | 52.00 | 10.49 | 545.44 | 52.00 | 545.44 | 100.00% | | 0.00 | 0.00% | 52.00 | 545.44 | 100.00% | 0.00 | 0.00 | 0.00% |
| | SUB-TOTAL 9: | | | | 20,496.40 | | 20,405.76 | 99.56% | | 0.00 | 0.00% | | 20,405.76 | 99.56% | | 90.64 | 0.44% |
| 10.00 | MATERIAL PARA PUESTA A TIERRA | | | | | | | | | | | | | | | | |
| 10.01 | Electrodo de Cobre de 16 mm Ø x 2,40 m | u | 12.00 | 163.51 | 1,962.06 | 9.00 | 1,471.55 | 75.00% | | 0.00 | 0.00% | 9.00 | 1,471.55 | 75.00% | 3.00 | 490.52 | 25.00% |
| 10.01 | Conector de Bronce para Electrodo de 16 mm ø y Conductor de Cobre de 16 mm² | u | 12.00 | 4.98 | 59.70 | 9.00 | 44.78 | 75.01% | | 0.00 | 0.00% | 9.00 | 44.78 | 75.01% | 3.00 | 14.93 | 25.01% |
| 10.02 | Plancha Doblada de Cobre para toma a Tierra de Espigas y/o Pernos | u | 164.00 | 8.35 | 1,369.14 | 164.00 | 1,369.14 | 100.00% | | 0.00 | 0.00% | 164.00 | 1,369.14 | 100.00% | 0.00 | 0.00 | 0.00% |
| 10.03 | Conector de Cobre tipo Perno Partido para Conductor de 16 mm² | u | 134.00 | 5.75 | 769.98 | 59.00 | 339.02 | 44.03% | | 0.00 | 0.00% | 59.00 | 339.02 | 44.03% | 75.00 | 430.96 | 55.97% |
| 10.04 | Conector Doble Via Bimetálico para Cable de Acero de 13 mm ø y Cobre de 16 mm² | u | 52.00 | 7.51 | 390.43 | | 0.00 | 0.00% | | 0.00 | 0.00% | 0.00 | 0.00 | 0.00% | 52.00 | 390.43 | 100.00% |
| 10.05 | Caja Registro de Concreto para Puesta a Tierra 0,50 x 0,50 x 0,45 m | u | 12.00 | 46.66 | 559.86 | 9.00 | 419.90 | 75.00% | | 0.00 | 0.00% | 9.00 | 419.90 | 75.00% | 3.00 | 139.97 | 25.00% |
| 10.06 | Protector Antirobo de Electrodo de Puesta a Tierra | u | 12.00 | 20.75 | 249.00 | 9.00 | 186.75 | 75.00% | | 0.00 | 0.00% | 9.00 | 186.75 | 75.00% | 3.00 | 62.25 | 25.00% |
| | SUB-TOTAL 10: | | | | 5,360.17 | | 3,831.14 | 71.47% | | 0.00 | 0.00% | | 3,831.14 | 71.47% | | 1,529.06 | 28.53% |
| 11.00 | EQUIPO DE PROTECCION Y MANIOBRA | | | | | | | | | | | | | | | | |
| 11.01 | Seccionador Fusible Unipolar Tipo Expulsion (Cut-Out) de 27/38 kV, 100A, 150 kV-BIL. | u | 18.00 | 326.63 | 5,879.41 | 18.00 | 5,879.41 | 100.00% | | 0.00 | 0.00% | 18.00 | 5,879.41 | 100.00% | 0.00 | 0.00 | 0.00% |
| 11.02 | Fusible Tipo Expulsion de 1 A, Tipo K | u | 12.00 | 7.46 | 89.57 | | 0.00 | 0.00% | | 0.00 | 0.00% | 0.00 | 0.00 | 0.00% | 12.00 | 89.57 | 100.00% |
| 11.03 | Fusible Tipo Expulsion de 2 A, Tipo K | u | 6.00 | 7.46 | 44.79 | 6.00 | 44.79 | 100.00% | | 0.00 | 0.00% | 6.00 | 44.79 | 100.00% | 0.00 | 0.00 | 0.00% |
| 11.04 | Pararrayos de Oxido Metalico, 24 kV, 10 KA Clase 1 | u | 16.00 | 327.20 | 5,235.20 | 8.00 | 2,617.60 | 50.00% | | 0.00 | 0.00% | 8.00 | 2,617.60 | 50.00% | 8.00 | 2,617.60 | 50.00% |
| 11.05 | Pararrayos de Oxido Metalico, 15 kV, 10 KA Clase 1 | u | 2.00 | 275.42 | 550.83 | 2.00 | 550.83 | 100.00% | | 0.00 | 0.00% | 2.00 | 550.83 | 100.00% | 0.00 | 0.00 | 0.00% |
| | SUB-TOTAL 11: | | | | 11,799.80 | | 9,092.63 | | | 0.00 | | | 9,092.63 | | | 2,707.17 | |
| TOTAL SUMINISTRO DE MATERIALES | | | | | 173,183.52 | | 152,285.46 | | 0.00 | 0.00% | | 152,285.46 | | 20,898.10 | 12.07% | | |