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**Ministerio de Economía, Planificación y Desarrollo**

**Proyecto Agua y Saneamiento en Centros Turísticos (PASCT)**

**Préstamo BIRF-7680-DO/**

**ENMIENDA No. 2**

Contrato No. PASCT -0-LPN-2015-01

Construcción de las Obras de La Planta de Pretratamiento del Alcantarillado Sanitario de Puerto Plata

**Anexo No.1**

**RESUMEN EJECUTIVO MODIFICACIONES (ORDENES DE CAMBIO)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | logo-mepyd-2014.png | | | | | | | | | | |  | | --- | |  | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |
| PROYECTO DE AGUAS Y SANEAMIENTO PARA CENTROS TURÍSTICOS (PASCT) | | | | | | | | | | | |
| PRESUPUESTO REFORMULADO ADENDA II | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |
| PROYECTO: CONSTRUCCIÓN DE LAS OBRAS DE LA PLANTA DE PRETRATAMIENTO DEL ALCANTARILLADO SANITARIO DE PUERTO PLATA | | | | | | |  | Ubicación: | Zona 14 (Baja) Puerto Plata | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| CONTRATISTA: CONSORCIO SOLSANIT | | | | | | |  | Contrato No.: | PASCT-O-LPN-2015-01 | | 10-08-2015 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| No. | DESCRIPCIÓN | A N | UNIDAD | CANTIDAD | | | P. U. (RD$) | COSTO | | | % Variación |
| TOTAL | PRESUPUESTADA | ADICIONAL | VALOR PRESUPUESTADO (RD$) | VALOR ADICIONAL (RD$) | PRESUPUESTADO ADENDADO (RD$) |
|
| A | PRESUPUESTO GENERAL REFORMULADO |  |  |  |  |  |  |  |  |  |  |
| A-1-R | TRABAJOS GENERALES |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 | TRABAJOS GENERALES |  |  |  |  |  |  |  |  |  |  |
| 1.01 | CAMPAMENTO | A | MES | 15.50 | 13.00 | 2.50 | 69,000.00 | 897,000.00 | 172,500.00 | 1,069,500.00 | 19.23% |
| 1.02 | MOVILIZACIÓN Y DESMOVILIZACIÓN | P | P.A. | 8.00 | 8.00 | - | 82,500.00 | 660,000.00 | - | 660,000.00 | 0.00% |
| 1.03 | ILUMINACIÓN NOCTURNA | A | MES | 4.50 | 3.80 | 0.70 | 103,687.50 | 394,012.50 | 72,581.25 | 466,593.75 | 18.42% |
| 1.04 | SEÑALIZACIÓN Y DESVÍO DE TRÁFICO | A | MES | 9.50 | 7.00 | 2.50 | 87,880.00 | 615,160.00 | 219,700.00 | 834,860.00 | 35.71% |
| 1.05 | LETRERO EN OBRA | P | P.A. | 2.00 | 2.00 | - | 35,000.00 | 70,000.00 | - | 70,000.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-1-R |  |  |  |  |  |  | 2,636,172.50 | 464,781.25 | 3,100,953.75 | 17.63% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-2-R | REDES SANITARIAS |  |  |  |  |  |  |  |  |  |  |
| 1.00 | TRABAJOS PRELIMINARES |  |  |  |  |  |  |  |  |  |  |
| 1.01 | REPLANTEO Y CONTROL TOPOGRÁFICO | P | M | 4,176.02 | 4,329.15 | - 153.13 | 135.00 | 584,435.25 | - 20,672.55 | 563,762.70 | -3.54% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTOS DE TIERRAS |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO | P | M³ | 4,447.15 | 4,870.73 | - 423.58 | 131.44 | 640,208.12 | - 55,675.22 | 584,532.90 | -8.70% |
| 2.01.1 | EXCAVACIÓN ESPECIAL EN MATERIAL NO CLASIFICADO | N | M³ | 2,595.42 | - | 2,595.42 | 338.25 | - | 877,907.87 | 877,907.87 | 100.00% |
| 2.02 | EXCAVACIÓN CON EQUIPO PARA PREPARACIÓN Y ENTIBADO | NR | M³ | - | 730.61 | - 730.61 | 2,500.00 | 1,826,521.95 | - 1,826,521.95 | - | -100.00% |
| 2.02.1 | ENTIBADO DE ZANJAS PARA COLOCACIÓN DE TUBERÍAS | N | M³ | 670.80 | - | 670.80 | 1,248.72 | - | 837,641.38 | 837,641.38 | 100.00% |
| 2.03 | ASIENTO DE GRAVA | P | M³ | 487.99 | 520.88 | - 32.90 | 1,242.50 | 647,194.02 | - 40,872.66 | 606,321.36 | -6.32% |
| 2.04 | RELLENO COMPACTADO CON MATERIAL DE MINA 100% | P | M³ | 4,080.04 | 4,143.49 | - 63.45 | 544.83 | 2,257,498.93 | - 34,571.93 | 2,222,927.00 | -1.53% |
| 2.05 | CORTE DE ASFALTO CON MÁQUINA | P | M | 8,289.42 | 8,658.30 | - 368.88 | 107.13 | 927,599.76 | - 39,519.65 | 888,080.10 | -4.26% |
| 2.06 | EXTRACCIÓN Y BOTE DE ASFALTO | P | M² | 3,131.58 | 3,206.32 | - 74.74 | 145.88 | 467,737.52 | - 10,902.78 | 456,834.74 | -2.33% |
| 2.07 | BOTE DE SOBRANTES | P | M³ | 5,781.29 | 7,281.73 | - 1,500.44 | 195.88 | 1,426,309.68 | - 293,899.48 | 1,132,410.19 | -20.61% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | SUMINISTRO DE TUBERÍAS DE: |  |  |  |  |  |  |  |  |  |  |
| 3.01 | Ø 8" PVC - SDR 32.5 CON JUNTA DE GOMA | P | M | 2,701.95 | 2,701.95 | - | 951.99 | 2,572,227.28 | - | 2,572,227.28 | 0.00% |
| 3.02 | ACARREO INTERNO Ø 8" PVC - SDR 32.5 CON JUNTA DE GOMA | P | M | 2,595.42 | 2,701.95 | - 106.53 | 35.00 | 94,568.25 | - 3,728.55 | 90,839.70 | -3.94% |
| 3.03 | Ø 12" PVC - SDR 32.5 CON JUNTA DE GOMA | P | M | 1,627.20 | 1,627.20 | - | 1,661.68 | 2,703,885.70 | - | 2,703,885.70 | 0.00% |
| 3.04 | ACARREO INTERNO Ø 12" PVC - SDR 32.5 CON JUNTA DE GOMA | P | M | 1,549.29 | 1,627.20 | - 77.91 | 35.00 | 56,952.00 | - 2,726.85 | 54,225.15 | -4.79% |
| 3.05 | Ø 16" PVC - SDR 32.5 CON JUNTA DE GOMA | N | M | 31.31 | - | 31.31 | 4,251.96 | - | 133,128.82 | 133,128.82 | 100.00% |
| 3.06 | ACARREO INTERNO Ø 16" PVC - SDR 32.5 CON JUNTA DE GOMA | N | M | 31.31 | - | 31.31 | 35.00 | - | 1,095.85 | 1,095.85 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | COLOCACIÓN DE TUBERÍAS DE: |  |  |  |  |  |  |  |  |  |  |
| 4.01 | Ø 8" PVC - SDR 32.5 CON JUNTA DE GOMA | P | M | 2,595.42 | 2,701.95 | - 106.53 | 67.12 | 181,354.88 | - 7,150.29 | 174,204.59 | -3.94% |
| 4.02 | Ø 12" PVC - SDR 32.5 CON JUNTA DE GOMA | P | M | 1,549.29 | 1,627.20 | - 77.91 | 83.40 | 135,705.39 | - 6,497.55 | 129,207.84 | -4.79% |
| 4.03 | Ø 16" PVC - SDR 32.5 CON JUNTA DE GOMA | N | M | 31.31 | - | 31.31 | 130.09 | - | 4,073.07 | 4,073.07 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | REGISTRO DE PREFABRICADOS |  |  |  |  |  |  |  |  |  |  |
| 5.01 | CONO | P | UD. | 98.00 | 101.00 | - 3.00 | 5,300.00 | 535,300.00 | - 15,900.00 | 519,400.00 | -2.97% |
| 5.02 | REGISTRO PREFABRICADO | A | ML | 77.32 | 76.84 | 0.48 | 10,827.47 | 831,982.48 | 5,197.18 | 837,179.66 | 0.62% |
| 5.03 | TRANSPORTE INTERNO DE REGISTRO | P | ML | 136.12 | 137.44 | - 1.32 | 1,000.00 | 137,440.00 | - 1,320.00 | 136,120.00 | -0.96% |
| 5.04 | SUMINISTRO Y COLOCACIÓN DE TAPA PLÁSTICA D= 600 MM | P | UD. | 98.00 | 101.00 | - 3.00 | 10,072.00 | 1,017,272.00 | - 30,216.00 | 987,056.00 | -2.97% |
| 5.05 | MEDIA CANA | P | UD. | 98.00 | 101.00 | - 3.00 | 1,300.00 | 131,300.00 | - 3,900.00 | 127,400.00 | -2.97% |
| 5.06 | ESCALERA 1 @ 2 | P | UD. | 25.00 | 89.00 | - 64.00 | 1,958.80 | 174,333.20 | - 125,363.20 | 48,970.00 | -71.91% |
| 5.07 | ESCALERA 2 @ 3.5 | P | UD. | 12.00 | 13.00 | - 1.00 | 3,150.60 | 40,957.80 | - 3,150.60 | 37,807.20 | -7.69% |
| 5.08 | EXCAVACIÓN CON EQUIPO | A | M³ | 634.44 | 203.01 | 431.43 | 131.44 | 26,683.63 | 56,706.74 | 83,390.37 | 212.52% |
| 5.09 | ENTIBADOS DE ZANJAS DE REGISTROS | P | M³ | 73.24 | 73.24 | - | 1,098.21 | 80,437.61 | - | 80,437.61 | 0.00% |
| 5.10 | BOTE DE MATERIAL INSERVIBLES | P | M³ | 268.52 | 359.13 | - 90.61 | 195.88 | 70,344.73 | - 17,749.00 | 52,595.73 | -25.23% |
| 5.11 | RELLENO DE REPOSICIÓN | A | M³ | 349.07 | 303.88 | 45.19 | 544.83 | 165,562.85 | 24,621.96 | 190,184.81 | 14.87% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | TRABAJOS Y OBRAS COMPLEMENTARIA |  |  |  |  |  |  |  |  |  |  |
| 6.01 | CATAS Y SONDEOS Y REPARACIÓN DE AVERÍAS | P | P.A. | 8.00 | 8.00 | - | 26,524.63 | 212,197.00 | - | 212,197.00 | 0.00% |
| 6.02 | REPOSICIÓN DE CARPETA ASFÁLTICA | A | M² | 4,789.70 | 3,206.32 | 1,583.38 | 714.85 | 2,292,050.78 | 1,131,888.78 | 3,423,939.56 | 49.38% |
| 6.03 | ACHIQUE CON BOMBA DE 4" | P | HR | 520.00 | 520.00 | - | 271.86 | 141,367.20 | - | 141,367.20 | 0.00% |
| 6.04 | ACOMETIDAS DOMICILIARIAS PROMEDIO DE 8" a 4" de 6 Ml | P | U.D. | 350.00 | 540.00 | - 190.00 | 9,132.30 | 4,931,441.31 | - 1,735,136.76 | 3,196,304.55 | -35.19% |
| 6.05 | ACOMETIDAS DOMICILIARIAS PROMEDIO DE 8" a 6" de 6 Ml | P | U.D. | 10.00 | 74.00 | - 64.00 | 12,564.92 | 929,803.92 | - 804,154.74 | 125,649.18 | -86.49% |
| 6.06 | ACOMETIDAS DOMICILIARIAS PROMEDIO DE 8" a 6" de 9 Ml | P | U.D. | 15.00 | 47.00 | - 32.00 | 16,138.85 | 758,525.93 | - 516,443.18 | 242,082.74 | -68.09% |
| 6.06.1 | ACOMETIDAS DOMICILIARIAS PROMEDIO DE 12" a 4" de 6 Ml, CON SILLETA | N | U.D. | 197.00 | - | 197.00 | 9,218.84 | - | 1,816,111.07 | 1,816,111.07 | 100.00% |
| 6.01.2 | ACOMETIDAS DOMICILIARIAS PROMEDIO DE 12" a 6" de 9 Ml, CON SILLETA | N | U.D. | 80.00 | - | 80.00 | 15,784.18 | - | 1,262,734.36 | 1,262,734.36 | 100.00% |
| 6.07 | EMPALME A REGISTRO INICIAL | P | P.A. | 1.00 | 1.00 | - | 65,000.00 | 65,000.00 | - | 65,000.00 | 0.00% |
| 6.08 | SERVIDUMBRE DE PASO | NR | M | - | 4,329.15 | - 4,329.15 | 235.00 | 1,017,350.25 | - 1,017,350.25 | - | -100.00% |
| 6.09 | MOVILIZACIÓN DE TUBERÍA EXISTENTE DE 3" DE AGUA POTABLE DE LONGITUD 140.00 ML Y DE LAS ACOMETIDAS DE LA MISMA (75) | N | M | 140.00 | - | 140.00 | 1,115.11 | - | 156,115.09 | 156,115.09 | 100.00% |
| 6.10 | PROTECCIÓN EN HORMIGÓN DE TUBERÍA DE 8" | N | M | 160.00 | - | 160.00 | 972.50 | - | 155,599.92 | 155,599.92 | 100.00% |
| 6.11 | REPARACIÓN DE AVERÍAS DE 1/2" | N | UD. | 150.00 | - | 150.00 | 523.64 | - | 78,545.44 | 78,545.44 | 100.00% |
| 6.12 | REPARACIÓN DE AVERÍAS DE 3" | N | UD. | 39.00 | - | 39.00 | 769.28 | - | 30,002.02 | 30,002.02 | 100.00% |
| 6.13 | REPARACIÓN DE AVERÍAS DE 4" | N | UD. | 19.00 | - | 19.00 | 1,097.66 | - | 20,855.53 | 20,855.53 | 100.00% |
| 6.14 | REPARACIÓN DE AVERÍAS DE 6" | N | UD. | 2.00 | - | 2.00 | 3,751.29 | - | 7,502.58 | 7,502.58 | 100.00% |
| 6.15 | LIMPIEZA DE REGISTROS EXISTENTES Y VERIFICACIÓN DE COTA DE FONDO | N | UD. | 6.00 | - | 6.00 | 5,280.51 | - | 31,683.08 | 31,683.08 | 100.00% |
| 6.16 | DEMOLICIÓN Y REALIZACIÓN DE BADÉN EN CALLE N°8 CON CALLE N°12, PLAYA OESTE 1 | N | M³ | 3.00 | - | 3.00 | 6,463.97 | - | 19,391.91 | 19,391.91 | 100.00% |
| 6.17 | REPARACIÓN DE INSTALACIONES EXISTENTES (a Pagar con Desglose de Gastos) | N | P.A. | 1.00 | - | 1.00 | 200,000.00 | - | 200,000.00 | 200,000.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-2-R |  |  |  |  |  |  | 28,081,549.41 | 237,379.46 | 28,318,928.87 | 0.85% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-4 | CONSTRUCCIÓN ESTACIÓN DE BOMBEO LA VIARA |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES: |  |  |  |  |  |  |  |  |  |  |
| 1.01 | DEMOLICIÓN ESTRUCTURAS EN HORMIGÓN ARMADO | P | M³ | 101.97 | 101.97 | - | 561.00 | 57,205.17 | - | 57,205.17 | 0.00% |
| 1.02 | DEMOLICIÓN MURO DE BLOCKS | P | M² | 43.57 | 43.57 | - | 102.00 | 4,444.14 | - | 4,444.14 | 0.00% |
| 1.03 | BOTE DEMOLICIÓN | P | M³ | 141.10 | 141.10 | - | 195.88 | 27,637.21 | - | 27,637.21 | 0.00% |
| 2.00 | MOVIMIENTO DE TIERRA: |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN MATERIAL NO CLASIFICADO EN CÁRCAMO | P | M³ | 202.76 | 202.76 | - | 221.25 | 44,860.65 | - | 44,860.65 | 0.00% |
| 2.02 | RELLENO COMPACTADO | P | M³ | 89.85 | 89.85 | - | 122.33 | 10,991.65 | - | 10,991.65 | 0.00% |
| 2.03 | BOTE DE MATERIAL SOBRANTE | P | M³ | 112.90 | 112.90 | - | 195.88 | 22,114.29 | - | 22,114.29 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-4 |  |  |  |  |  |  | 167,253.11 | - | 167,253.11 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-5 | CONSTRUCCIÓN ESTACIÓN DE BOMBEO GREGORIO LUPERÓN |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES: |  |  |  |  |  |  |  |  |  |  |
| 1.01 | DEMOLICIÓN ESTRUCTURAS EN HORMIGÓN ARMADO | P | M³ | 29.90 | 29.90 | - | 561.00 | 16,773.90 | - | 16,773.90 | 0.00% |
| 1.02 | DEMOLICIÓN MURO DE BLOCKS | P | M² | 83.62 | 83.62 | - | 102.00 | 8,529.24 | - | 8,529.24 | 0.00% |
| 1.03 | BOTE DEMOLICIÓN | P | M³ | 55.18 | 55.18 | - | 195.88 | 10,807.58 | - | 10,807.58 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTO DE TIERRA: |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN MATERIAL NO CLASIFICADO EN CÁRCAMO | P | M³ | 202.76 | 202.76 | - | 221.25 | 44,860.65 | - | 44,860.65 | 0.00% |
| 2.02 | RELLENO COMPACTADO | P | M³ | 89.85 | 89.85 | - | 122.33 | 10,991.65 | - | 10,991.65 | 0.00% |
| 2.03 | BOTE DE MATERIAL SOBRANTE | P | M³ | 112.90 | 112.90 | - | 195.88 | 22,114.29 | - | 22,114.29 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-5 |  |  |  |  |  |  | 114,077.31 | - | 114,077.31 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-3-R | TERMINACIÓN ESTACIÓN DE BOMBEO LOS CALLEJONES |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES: |  |  |  |  |  |  |  |  |  |  |
| 1.01 | DEMOLICIÓN ESTRUCTURAS EN HORMIGÓN ARMADO | P | M³ | 8.46 | 131.87 | - 123.41 | 561.00 | 73,979.07 | - 69,233.01 | 4,746.06 | -93.58% |
| 1.02 | DEMOLICIÓN MURO DE BLOCKS | P | M² | 14.00 | 127.19 | - 113.19 | 102.00 | 12,973.38 | - 11,545.38 | 1,428.00 | -88.99% |
| 1.02.1 | BLOCK DE 6" SNP CON SERPENTINA Ø 3/8" @ 40 CM | N | M² | 4.67 | - | 4.67 | 972.23 | - | 4,537.07 | 4,537.07 | 100.00% |
| 1.02.2 | BLOCK DE 6" BNP CON SERPENTINA Ø 3/8" @ 40 CM | N | M² | 14.00 | - | 14.00 | 1,073.04 | - | 15,022.56 | 15,022.56 | 100.00% |
| 1.03 | BOTE DEMOLICIÓN | P | M³ | 12.10 | 196.28 | - 184.18 | 195.88 | 38,445.59 | - 36,075.50 | 2,370.09 | -93.84% |
| 1.04 | VERJA PERIMETRAL | P | M | 4.80 | 40.00 | - 35.20 | 2,965.63 | 118,625.23 | - 104,390.20 | 14,235.03 | -88.00% |
| 1.04.1 | COLOCACIÓN DE MALLA ALREDEDOR DE DESARENADOR | N | M | 19.50 | - | 19.50 | 1,300.00 | - | 25,350.00 | 25,350.00 | 100.00% |
| 1.05 | PUERTA ENTRADA 4.00 M X 2.00 M | NR | UD. | - | 1.00 | - 1.00 | 23,890.00 | 23,890.00 | - 23,890.00 | - | -100.00% |
| 1.05.1 | PUERTA ENTRADA ANCHO 0.90 M | N | UD. | 1.00 | - | 1.00 | 5,972.50 | - | 5,972.50 | 5,972.50 | 100.00% |
| 1.05.2 | LIMPIEZA ALMACEN DE CORAAPLATA, MOVIMIENTOS DE EQUIPOS, TUBERÍAS Y PIEZAS DE ACERO | N | DÍA | 6.00 | - | 6.00 | 8,448.01 | - | 50,688.06 | 50,688.06 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | TERMINACIÓN EN GENERAL: |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EN MURO Y TECHO | NR | M² | - | 456.66 | - 456.66 | 93.60 | 42,743.38 | - 42,743.38 | - | -100.00% |
| 2.02 | PUERTA COMERCIALES DE 2 HOJA | NR | UD. | - | 1.00 | - 1.00 | 25,000.00 | 25,000.00 | - 25,000.00 | - | -100.00% |
| 2.03 | PUERTA COMERCIALES DE 1 HOJA | NR | UD. | - | 1.00 | - 1.00 | 15,000.00 | 15,000.00 | - 15,000.00 | - | -100.00% |
| 2.04 | VENTANA CON CUADRICULA | NR | M² | - | 48.00 | - 48.00 | 285.00 | 13,680.00 | - 13,680.00 | - | -100.00% |
| 2.05 | PUERTA DE METAL EN ÁREAS DE GENERADOR | NR | UD. | - | 1.00 | - 1.00 | 35,000.00 | 35,000.00 | - 35,000.00 | - | -100.00% |
| 2.06 | DUCTO | P | UD. | 1.00 | 1.00 | - | 7,000.00 | 7,000.00 | - | 7,000.00 | 0.00% |
| 2.07 | VENTANA ACÚSTICA EN SALIDA DE AIRE CAL. | P | UD. | 2.00 | 2.00 | - | 7,000.00 | 14,000.00 | - | 14,000.00 | 0.00% |
| 2.08 | PUERTA ACÚSTICA EN PARTE FRONTAL | P | UD. | 1.00 | 1.00 | - | 19,000.00 | 19,000.00 | - | 19,000.00 | 0.00% |
| 2.09 | PUERTA ACÚSTICA EN PARTE POSTERIOR | NR | UD. | - | 1.00 | - 1.00 | 22,000.00 | 22,000.00 | - 22,000.00 | - | -100.00% |
| 2.10 | LIMPIEZA FINAL | P | P.A. | 1.00 | 1.00 | - | 5,000.00 | 5,000.00 | - | 5,000.00 | 0.00% |
| 2.11 | BASE DE TRANSFORMADORES | P | UD. | 1.00 | 1.00 | - | 4,000.00 | 4,000.00 | - | 4,000.00 | 0.00% |
| 2.12 | COLOCACIÓN DE MALLA ALREDEDOR DE TRANSFORMADORES | P | UD. | 17.00 | 17.00 | - | 1,300.00 | 22,100.00 | - | 22,100.00 | 0.00% |
| 2.13 | ACERA PERIMETRAL | P | M² | 70.00 | 102.00 | - 32.00 | 611.47 | 62,369.49 | - 19,566.90 | 42,802.59 | -31.37% |
| 2.14 | ESTRUCTURA DE HORMIGÓN DE TANQUE DE COMBUSTIBLE | NR | UD. | - | 1.00 | - 1.00 | 125,000.00 | 125,000.00 | - 125,000.00 | - | -100.00% |
| 2.14.1 | INSTALACIÓN DE ALIMENTACIÓN DE TANQUE DE COMBUSTIBLE EXISTENTE AL TANQUE DEL GENERADOR | N | P.A. | 1.00 | - | 1.00 | 20,000.00 | - | 20,000.00 | 20,000.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | HORMIGÓN F'C = 240 KG/CM² EN: |  |  |  |  |  |  |  |  |  |  |
| 3.00.1 | MOVIMIENTO DE TIERRAS Y HORMIGÓN F'C = 240 KG/CM² EN ESTRUCTURA DESARENADORA | N |  |  |  |  |  |  |  |  |  |
| 3.00.1.1 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO | N | M³ | 186.70 | - | 186.70 | 131.44 | - | 24,539.85 | 24,539.85 | 100.00% |
| 3.00.1.2 | ASIENTO DE GRAVA | N | M³ | 3.98 | - | 3.98 | 1,242.50 | - | 4,942.67 | 4,942.67 | 100.00% |
| 3.00.1.3 | RELLENO COMPACTADO CON MATERIAL DE MINA 100% | N | M³ | 84.50 | - | 84.50 | 544.83 | - | 46,038.14 | 46,038.14 | 100.00% |
| 3.00.1.4 | BOTE DE SOBRANTES | N | M³ | 233.40 | - | 233.40 | 195.88 | - | 45,717.23 | 45,717.23 | 100.00% |
| 3.00.1.5 | HORMIGÓN DE LIMPIEZA F'C = 180 KG/CM² | N | M³ | 1.39 | - | 1.39 | 6,378.27 | - | 8,880.46 | 8,880.46 | 100.00% |
| 3.01 | EN LOSA DE FONDO CANALETA (ESTRUCTURA DESARENADORA) E = 0.25 M. (REGISTRO) | A | M³ | 4.97 | 3.36 | 1.61 | 8,833.85 | 29,681.75 | 14,244.59 | 43,926.34 | 47.99% |
| 3.02 | EN MUROS DE CANALETA (ESTRUCTURA DESARENADORA) E = 0.25 M. (REGISTRO) | A | M³ | 17.98 | 16.69 | 1.29 | 11,156.85 | 186,207.89 | 14,442.55 | 200,650.44 | 7.76% |
| 3.03 | ACERO LOSA DE FONDO CANALETA (ESTRUCTURA DESARENADORA) | A | QQ | 12.69 | 3.76 | 8.93 | 2,787.75 | 10,490.86 | 24,885.18 | 35,376.05 | 237.21% |
| 3.04 | ACERO EN MURO CANALETA (ESTRUCTURA DESARENADORA) | A | QQ | 45.90 | 18.69 | 27.20 | 2,787.75 | 52,110.85 | 75,836.96 | 127,947.81 | 145.53% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | ESTRUCTURA DESARENADORA. (RETENCIÓN DE SÓLIDOS) |  |  |  |  |  |  |  |  |  |  |
| 4.01 | REJILLA ACERO INOX. TRAMPA DE SÓLIDOS (0.60 M X 1.40 M) Ø 3/4" @ 0.02 M | P | UD. | 2.00 | 2.00 | - | 40,420.00 | 80,840.00 | - | 80,840.00 | 0.00% |
| 4.02 | SUM. E INSTALACIÓN COMPUERTAS ACERO INOX. (0.60 M X 1.35 M) e = 1/2" | P | UD. | 2.00 | 2.00 | - | 41,280.00 | 82,560.00 | - | 82,560.00 | 0.00% |
| 4.03 | ESCALERA EN ACERO 4 M | P | UD. | 1.00 | 1.00 | - | 6,800.00 | 6,800.00 | - | 6,800.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | EQUIPOS DE BOMBEO: |  |  |  |  |  |  |  |  |  |  |
| 5.01 | SUM. E INST. BOMBA, 65 PIE TDH, 25 HP | NR | UD. | - | 3.00 | - 3.00 | 844,607.50 | 2,533,822.50 | - 2,533,822.50 | - | -100.00% |
| 5.01.1 | SUM. E INST. BOMBA, 65 PIE TDH, 15 HP | N | UD. | 3.00 | - | 3.00 | 810,823.20 | - | 2,432,469.60 | 2,432,469.60 | 100.00% |
| 5.02 | BASES DE H.S. PARA APOYO DE BOMBAS | P | UD. | 3.00 | 3.00 | - | 3,970.91 | 11,912.73 | - | 11,912.73 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | TUBERÍAS, PIEZAS Y VÁLVULAS PARA BOMBAS: |  |  |  |  |  |  |  |  |  |  |
| 6.01 | CODO Ø 4" X 90° ACERO PLATILLADO | P | UD. | 3.00 | 3.00 | - | 4,555.00 | 13,665.00 | - | 13,665.00 | 0.00% |
| 6.02 | CODO Ø 4" X 45° ACERO CON UN PLATILLO | P | UD. | 3.00 | 3.00 | - | 3,274.70 | 9,824.10 | - | 9,824.10 | 0.00% |
| 6.03 | NIPLE Ø 4" X 4.00 M. ACERO CON DOS PLATILLOS | P | UD. | 3.00 | 3.00 | - | 13,652.30 | 40,956.90 | - | 40,956.90 | 0.00% |
| 6.04 | NIPLE Ø 4" X 0.45 M. ACERO CON DOS PLATILLOS | P | UD. | 3.00 | 3.00 | - | 4,879.50 | 14,638.50 | - | 14,638.50 | 0.00% |
| 6.05 | VÁLVULA CHECK Ø 4" PLATILLADA | P | UD. | 3.00 | 3.00 | - | 11,851.17 | 35,553.50 | - | 35,553.50 | 0.00% |
| 6.06 | VÁLVULA DE COMPUERTA Ø 4" H.F. PLATILLADA | P | UD. | 3.00 | 3.00 | - | 13,538.57 | 40,615.70 | - | 40,615.70 | 0.00% |
| 6.07 | JUNTAS DRESSER Ø 4" | P | UD. | 3.00 | 3.00 | - | 962.61 | 2,887.83 | - | 2,887.83 | 0.00% |
| 6.08 | MANIFOLD Ø 12" ACERO ESP = 1/4" L = 5.00 M CON 2 SALIDAS DE Ø 4" DE L = 0.40 M CON 1 PLATILLO C/U Y 1 SALIDA DE Ø 3" DE L = 0.10 M CON 1 PLATILLO | P | UD. | 1.00 | 1.00 | - | 58,500.00 | 58,500.00 | - | 58,500.00 | 0.00% |
| 6.09 | VÁLVULA DE GOLPE DE ARIETE Ø 3" PLATILLADA | P | UD. | 1.00 | 1.00 | - | 119,453.66 | 119,453.66 | - | 119,453.66 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 7.00 | DESCARGA DEL CÁRCAMO DE BOMBEO Ø 4" ACERO: | P |  |  |  |  |  |  |  |  |  |
| 7.01 | CODO Ø 4" X 90° ACERO PLATILLADO | P | UD. | 1.00 | 1.00 | - | 4,555.00 | 4,555.00 | - | 4,555.00 | 0.00% |
| 7.02 | NIPLE Ø 4" X 0.45 M. ACERO CON DOS PLATILLOS | P | UD. | 4.00 | 4.00 | - | 4,879.50 | 19,518.00 | - | 19,518.00 | 0.00% |
| 7.03 | JUNTAS DRESSER Ø 12" | P | UD. | 1.00 | 1.00 | - | 3,998.36 | 3,998.36 | - | 3,998.36 | 0.00% |
| 7.04 | VÁLVULA DE AIRE Y VACIO (VENTOSA) DE Ø 3" ROSCADA | P | UD. | 1.00 | 1.00 | - | 125,200.00 | 125,200.00 | - | 125,200.00 | 0.00% |
| 7.05 | VÁLVULA DE COMPUERTA Ø 4" ROSCADA | P | UD. | 1.00 | 1.00 | - | 11,851.17 | 11,851.17 | - | 11,851.17 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 8.00 | TUBERÍAS Y PIEZAS PARA ENTRADA A ESTACIÓN DE BOMBEO: |  |  |  |  |  |  |  |  |  |  |
| 8.01 | NIPLE Ø 12" X 0.70 M. ACERO CON EXTREMOS LISOS | P | UD. | 1.00 | 1.00 | - | 4,664.78 | 4,664.78 | - | 4,664.78 | 0.00% |
| 8.02 | JUNTAS DRESSER Ø 12" | P | UD. | 1.00 | 1.00 | - | 3,998.36 | 3,998.36 | - | 3,998.36 | 0.00% |
| 8.03 | CANALETA EN PLANCHUELA DE ACERO INOXIDABLE L = 3.60 M., A = 3.72 M., ESP = 1/4" CON 2 HUECOS DE SALIDA DE 0.50 M. X 0.50 M. | NR | UD. | - | 1.00 | - 1.00 | 269,850.00 | 269,850.00 | - 269,850.00 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 9.00 | TAPAS Y PELDAÑOS ACCESO A CÁRCAMO: |  |  |  |  |  |  |  |  |  |  |
| 9.01 | TAPA DE ACERO INOXIDABLE (1.40 M. X 0.90 M.) (2 UD.) | P | M² | 2.52 | 2.52 | - | 6,614.38 | 16,668.24 | - | 16,668.24 | 0.00% |
| 9.02 | TAPAS DE H.D. PESADAS | P | UD. | 1.00 | 1.00 | - | 7,300.00 | 7,300.00 | - | 7,300.00 | 0.00% |
| 9.03 | PELDAÑOS DE Ø 3/4" ACERO INOXIDABLE T-316 | P | UD. | 14.00 | 14.00 | - | 12,900.00 | 180,600.00 | - | 180,600.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 10.00 | TERMINACIÓN DE SUPERFICIE CÁRCAMO DE BOMBEO: |  |  |  |  |  |  |  |  |  |  |
| 10.01 | PAÑETE EN MUROS INTERIORES CON IMPERMEABILIZANTE | A | M² | 167.86 | 94.76 | 73.10 | 334.96 | 31,740.59 | 24,485.41 | 56,226.00 | 77.14% |
| 10.02 | PAÑETE PULIDO EN MUROS EXTERIORES | P | M² | 18.60 | 80.73 | - 62.13 | 325.91 | 26,310.36 | - 20,248.51 | 6,061.84 | -76.96% |
| 10.03 | CANTOS | P | M | 22.00 | 44.60 | - 22.60 | 86.93 | 3,877.01 | - 1,964.59 | 1,912.43 | -50.67% |
| 10.04 | FINO PULIDO EN LOSA DE FONDO CON IMPERMEABILIZANTE | A | M² | 38.49 | 21.12 | 17.37 | 517.14 | 10,922.00 | 8,982.72 | 19,904.72 | 82.24% |
| 10.05 | FINO FROTADO EN LOSA DE TECHO CON IMPERMEABILIZANTE | A | M² | 43.01 | 21.12 | 21.89 | 512.33 | 10,820.43 | 11,214.93 | 22,035.36 | 103.65% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 11.00 | CONTROL OPERACIONAL REMOTO |  |  |  |  |  |  |  |  |  |  |
| 11.01 | COSTOS MATERIALES PANEL COMPLETO CON LOS SIGUIENTES EQUIPOS A SUPLIR | P | P.A. | 1.00 | 1.00 | - | 121,880.40 | 121,880.40 | - | 121,880.40 | 0.00% |
| 11.02 | PANEL EN FIBRA DE VIDRIO 28" X 20" X 8" | P | UD. | 1.00 | 1.00 | - | 0.00 | - | - | - |  |
| 11.03 | PLC 10 IN/ 6 OUT | P | UD. | 1.00 | 1.00 | - | 0.00 | - | - | - |  |
| 11.04 | TARJETA ANÁLOGA 4 CANALES | P | UD. | 1.00 | 1.00 | - | 0.00 | - | - | - |  |
| 11.05 | TARJETA DE 8 SALIDAS A RELAY | P | UD. | 1.00 | 1.00 | - | 0.00 | - | - | - |  |
| 11.06 | TRANSFORMADOR DE CONTROL DE 500 VA 480 V/120 V | P | UD. | 1.00 | 1.00 | - | 0.00 | - | - | - |  |
| 11.07 | POWER SUPPLY DE 5 AMP 120 W | P | UD. | 1.00 | 1.00 | - | 0.00 | - | - | - |  |
| 11.08 | SWITCH INDUSTRIAL ETHERNET DE 5 PUERTOS | P | UD. | 1.00 | 1.00 | - | 0.00 | - | - | - |  |
| 11.09 | BREAKER DE 2 POLOS 10 AMPERES DIN RAIL | P | UD. | 1.00 | 1.00 | - | 0.00 | - | - | - |  |
| 11.10 | BREAKER DE 1 POLOS 6 AMPERES DIN RAIL | P | UD. | 3.00 | 3.00 | - | 0.00 | - | - | - |  |
| 11.11 | CONTROLES DE NIVEL 120 V AC | P | UD. | 3.00 | 3.00 | - | 0.00 | - | - | - |  |
| 11.12 | TYPE E‐1S BRASS ELECTRODE | P | UD. | 9.00 | 9.00 | - | 0.00 | - | - | - |  |
| 11.13 | RELAY 5 ESPADA DE CONTROL ENCENDIDO DE LAS BOMBAS | P | UD. | 3.00 | 3.00 | - | 0.00 | - | - | - |  |
| 11.14 | PILOT LIGHT SCHNEIDER 120 V CAT. | P | UD. | 3.00 | 3.00 | - | 0.00 | - | - | - |  |
| 11.15 | SELECTOR DE 3 POSICIONES SCHNEIDER | P | UD. | 3.00 | 3.00 | - | 0.00 | - | - | - |  |
| 11.16 | CURRENT SENSOR 0‐10 V | P | UD. | 3.00 | 3.00 | - | 0.00 | - | - | - |  |
| 11.17 | FLOW SWITCH 1/2" CON PALETA EN ACERO INOXIDABLE | P | UD. | 3.00 | 3.00 | - | 0.00 | - | - | - |  |
| 11.18 | ACCESORIOS DE ENSAMBLE DEL PANEL |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 12.00 | COSTOS MANO DE OBRA ENSAMBLE PANEL, PROGRAMACIÓN Y PUESTA EN FUNCIONAMIENTO DEL PANEL PARA CUATRO BOMBAS SUMERGIBLES DE AGUAS RESIDUALES | P | P.A. | 1.00 | 1.00 | - | 48,248.79 | 48,248.79 | - | 48,248.79 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-4-5 | ELECTRIFICACIÓN E.B. LOS CALLEJONES - DOWBOE | P |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 | INSTALACIÓN ELÉCTRICA DE MEDIA TENSIÓN |  |  |  |  |  |  |  |  |  |  |
| 1.01 | SUMINISTRO TRANSFORMADOR DE 3\*37.5 KVA 7200/12400-240/480 V, SOBRE POSTE | P | UD. | 3.00 | 3.00 | - | 45,904.95 | 137,714.85 | - | 137,714.85 | 0.00% |
| 1.02 | PERCHA PARA SOPORTE DE TRANSFORMADORES | P | UD. | 1.00 | 1.00 | - | 7,718.09 | 7,718.09 | - | 7,718.09 | 0.00% |
| 1.03 | USO DE GRÚA PARA SUBIR LOS TRANSFORMADORES | P | P.A. | 1.00 | 1.00 | - | 8,000.00 | 8,000.00 | - | 8,000.00 | 0.00% |
| 1.04 | POSTE DE 12 DE HAV 800DAN | P | UD. | 1.00 | 1.00 | - | 24,240.00 | 24,240.00 | - | 24,240.00 | 0.00% |
| 1.05 | HOYO PARA POSTE Y VIENTO | P | UD. | 1.00 | 1.00 | - | 900.00 | 900.00 | - | 900.00 | 0.00% |
| 1.06 | ESTRUCTURA SOPORTE CUT-OUT Y PARARRAYO | P | UD. | 1.00 | 1.00 | - | 2,266.41 | 2,266.41 | - | 2,266.41 | 0.00% |
| 1.07 | ESTRUCTURA HA-100B/C | P | UD. | 2.00 | 2.00 | - | 2,875.84 | 5,751.68 | - | 5,751.68 | 0.00% |
| 1.08 | MATERIALES VARIOS | P | P.A. | 1.00 | 1.00 | - | 2,000.00 | 2,000.00 | - | 2,000.00 | 0.00% |
| 1.09 | CUT-OUT 200 AMPS | P | UD. | 3.00 | 3.00 | - | 5,324.75 | 15,974.25 | - | 15,974.25 | 0.00% |
| 1.10 | PARARRAYO DE 9 KV | P | UD. | 3.00 | 3.00 | - | 2,059.83 | 6,179.49 | - | 6,179.49 | 0.00% |
| 1.11 | CONECTOR TIPO CUYA 4/0-4/0 | P | UD. | 3.00 | 3.00 | - | 205.14 | 615.42 | - | 615.42 | 0.00% |
| 1.12 | CONECTOR TIPO CUYA 2/0-2/0-3/0-1/0-4/0-#2 | P | UD. | 3.00 | 3.00 | - | 172.63 | 517.89 | - | 517.89 | 0.00% |
| 1.13 | FUSIBLE PARA MEDIA TENSIÓN DE 5 AMPS | P | UD. | 3.00 | 3.00 | - | 105.93 | 317.79 | - | 317.79 | 0.00% |
| 1.14 | SISTEMA DE TIERRA | P | P.A. | 1.00 | 1.00 | - | 8,689.81 | 8,689.81 | - | 8,689.81 | 0.00% |
| 1.14.1 | ESTRUCTURA MT-305 | N | UD. | 1.00 | - | 1.00 | 34,788.28 | - | 34,788.28 | 34,788.28 | 100.00% |
| 1.14.2 | ESTRUCTURA MT-105 | N | UD. | 1.00 | - | 1.00 | 2,800.00 | - | 2,800.00 | 2,800.00 | 100.00% |
| 1.14.3 | ESTRUCTURA MT-F2-BT | N | UD. | 1.00 | - | 1.00 | 1,750.23 | - | 1,750.23 | 1,750.23 | 100.00% |
| 1.14.4 | POSTE DE 12 DE HAV 800DAN | N | UD. | 1.00 | - | 1.00 | 24,240.00 | - | 24,240.00 | 24,240.00 | 100.00% |
| 1.14.5 | POSTE DE 14 DE HAV 800DAN | N | UD. | 1.00 | - | 1.00 | 32,000.00 | - | 32,000.00 | 32,000.00 | 100.00% |
| 1.15 | MANO DE OBRA | A | P.A. | 2.80 | 1.00 | 1.80 | 33,750.00 | 33,750.00 | 60,750.00 | 94,500.00 | 180.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | SISTEMA DE EMERGENCIA |  |  |  |  |  |  |  |  |  |  |
| 2.01 | REPARACIÓN Y PUESTA A PUNTO GENERADOR 100 KW EXISTENTE | P | UD. | 1.00 | 1.00 | - | 230,800.00 | 230,800.00 | - | 230,800.00 | 0.00% |
| 2.02 | FIJAR GENERADOR | P | UD. | 1.00 | 1.00 | - | 7,500.00 | 7,500.00 | - | 7,500.00 | 0.00% |
| 2.03 | SISTEMA DE TIERRA | P | UD. | 1.00 | 1.00 | - | 8,689.81 | 8,689.81 | - | 8,689.81 | 0.00% |
| 2.04 | SISTEMA DE ESCAPE | P | UD. | 1.00 | 1.00 | - | 22,514.40 | 22,514.40 | - | 22,514.40 | 0.00% |
| 2.05 | SISTEMA DE COMBUSTIBLE | P | UD. | 1.00 | 1.00 | - | 9,506.08 | 9,506.08 | - | 9,506.08 | 0.00% |
| 2.06 | MATERIALES VARIOS | P | P.A. | 1.00 | 1.00 | - | 5,000.00 | 5,000.00 | - | 5,000.00 | 0.00% |
| 2.06.1 | SUMINISTRO INTERRUPTOR DE TRASFERENCIA AUTOMÁTICA DE 150 AMPS, 3F, NEMA-1, CON MONITOR DE FASE, CONTROL DE VOLTAJE EN CUTLER HAMMER | N | UD. | 1.00 | - | 1.00 | ########## | - | 121,077.44 | 121,077.44 | 100.00% |
| 2.07 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 95,000.00 | 95,000.00 | - | 95,000.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | INSTALACIÓN ELÉCTRICA DE BAJA TENSIÓN |  |  |  |  |  |  |  |  |  |  |
| 3.00 | ALIMENTADOR DESDE TRANSFORMADOR A ENCLOSURE BREAKER |  |  |  |  |  |  |  |  |  |  |
| 3.01 | CONDULET DE 1 1/2" | P | UD. | 1.00 | 1.00 | - | 154.73 | 154.73 | - | 154.73 | 0.00% |
| 3.02 | ALAMBRE AWG#1/0 | P | PIE | 400.00 | 400.00 | - | 99.61 | 39,844.00 | - | 39,844.00 | 0.00% |
| 3.03 | TUBO IMC DE 1 1/2"\*10 | A | UD. | 3.00 | 2.00 | 1.00 | 1,150.51 | 2,301.02 | 1,150.51 | 3,451.53 | 50.00% |
| 3.04 | TUBO EMT DE 1 1/2"\*10 | P | UD. | 2.00 | 2.00 | - | 521.27 | 1,042.54 | - | 1,042.54 | 0.00% |
| 3.05 | CONECTOR EMT DE 1 1/2" | P | UD. | 20.00 | 20.00 | - | 13.00 | 260.00 | - | 260.00 | 0.00% |
| 3.06 | TUERCA BUSHING DE 1 1/2" | P | UD. | 20.00 | 20.00 | - | 8.52 | 170.40 | - | 170.40 | 0.00% |
| 3.07 | RIEL UNITRUD DE 3/4 | P | UD. | 0.50 | 0.50 | - | 627.71 | 313.86 | - | 313.86 | 0.00% |
| 3.08 | ABRAZADERA UNITRUD DE 1 1/2" | P | UD. | 12.00 | 12.00 | - | 28.42 | 341.04 | - | 341.04 | 0.00% |
| 3.09 | ENCLOSURE BREAKER DE 125 AMPS, 3F, 600V, NEMA-1 | P | UD. | 1.00 | 1.00 | - | 13,924.00 | 13,924.00 | - | 13,924.00 | 0.00% |
| 3.10 | TUBERÍA SDR 26 DE 1 1/2"\*19' | A | UD. | 4.00 | 2.00 | 2.00 | 324.83 | 649.66 | 649.66 | 1,299.32 | 100.00% |
| 3.11 | EXCAVACIÓN DE 60\*0.80\*0.60 | P | M³ | 10.56 | 28.80 | - 18.24 | 500.00 | 14,400.00 | - 9,120.00 | 5,280.00 | -63.33% |
| 3.12 | TAPADO ZANJA | P | M³ | 13.73 | 37.44 | - 23.71 | 122.33 | 4,580.16 | - 2,900.52 | 1,679.64 | -63.33% |
| 3.13 | CURVA PVC DE 1 1/2" | P | UD. | 8.00 | 8.00 | - | 32.95 | 263.60 | - | 263.60 | 0.00% |
| 3.14 | ADAPTADOR PVC HEMBRA DE 1 1/2" | P | UD. | 8.00 | 8.00 | - | 18.40 | 147.20 | - | 147.20 | 0.00% |
| 3.15 | MATERIALES VARIOS | P | P.A. | 1.00 | 1.00 | - | 3,200.00 | 3,200.00 | - | 3,200.00 | 0.00% |
| 3.16 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 35,500.00 | 35,500.00 | - | 35,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | ALIMENTADOR DESDE GENERADOR A TRANSFER |  |  |  |  |  |  |  |  |  |  |
| 4.01 | ALAMBRE AWG#2 | NR | PIE | - | 90.00 | - 90.00 | 59.51 | 5,355.90 | - 5,355.90 | - | -100.00% |
| 4.02 | TERMINAL DE OJO 2 | NR | UD. | - | 6.00 | - 6.00 | 42.50 | 255.00 | - 255.00 | - | -100.00% |
| 4.01.1 | ALAMBRE AWG# 1/0 | N | PIE | 90.00 | - | 90.00 | 99.61 | - | 8,964.90 | 8,964.90 | 100.00% |
| 4.02.1 | TERMINAL DE OJO 1/0 | N | UD. | 6.00 | - | 6.00 | 55.00 | - | 330.00 | 330.00 | 100.00% |
| 4.03 | TUBERÍA LT DE 1 1/2" | P | PIE | 15.00 | 15.00 | - | 68.04 | 1,020.60 | - | 1,020.60 | 0.00% |
| 4.04 | CONECTOR LT RECTO DE 1 1/2" | P | UD. | 1.00 | 1.00 | - | 185.46 | 185.46 | - | 185.46 | 0.00% |
| 4.05 | CONECTOR LT CURVO DE 1 1/2" | P | UD. | 1.00 | 1.00 | - | 256.79 | 256.79 | - | 256.79 | 0.00% |
| 4.06 | MATERIALES VARIOS | P | P.A. | 1.00 | 1.00 | - | 150.00 | 150.00 | - | 150.00 | 0.00% |
| 4.07 | MANO DE OBRA | P | UD. | 1.00 | 1.00 | - | 2,000.00 | 2,000.00 | - | 2,000.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | ALIMENTADOR DESDE ENCLOSURE BREAKER A TRANSFER |  |  |  |  |  |  |  |  |  |  |
| 5.01 | ALAMBRE AWG#1/0 | P | PIE | 40.00 | 180.00 | - 140.00 | 99.61 | 17,929.80 | - 13,945.40 | 3,984.40 | -77.78% |
| 5.02 | TUBO EMT DE 1 1/2"\*10 | A | UD. | 2.00 | 0.50 | 1.50 | 521.27 | 260.64 | 781.91 | 1,042.54 | 300.00% |
| 5.03 | CURVA EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 160.22 | - | 320.44 | 320.44 | 100.00% |
| 5.03 | CONECTOR EMT DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 13.00 | 26.00 | - | 26.00 | 0.00% |
| 5.04 | TUERCA BUSHING DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 8.52 | 17.04 | - | 17.04 | 0.00% |
| 5.05 | RIEL UNITRUD DE 3/4 | A | UD. | 0.50 | 0.25 | 0.25 | 627.71 | 156.93 | 156.93 | 313.86 | 100.00% |
| 5.06 | ABRAZADERA UNITRUD DE 1 1/2" | A | UD. | 8.00 | 3.00 | 5.00 | 28.42 | 85.26 | 142.10 | 227.36 | 166.67% |
| 5.07 | MANO DE OBRA | A | P.A. | 1.67 | 1.00 | 0.67 | 3,000.00 | 3,000.00 | 2,010.00 | 5,010.00 | 67.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.01.1 | ALIMENTADOR DESDE TRANSFER A PANEL BOARD A PANEL | N |  |  |  |  |  |  |  |  |  |
| 5.01.01 | ALAMBRE AWG#1/0 | N | PIE | 60.00 | - | 60.00 | 99.61 | - | 5,976.60 | 5,976.60 | 100.00% |
| 5.01.02 | TUBO EMT DE 1 1/2"\*10 | N | UD. | 2.00 | - | 2.00 | 521.27 | - | 1,042.54 | 1,042.54 | 100.00% |
| 5.01.03 | CURVA EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 160.22 | - | 320.44 | 320.44 | 100.00% |
| 5.01.04 | CONECTOR EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 13.00 | - | 26.00 | 26.00 | 100.00% |
| 5.01.05 | TUERCA BUSHING DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 8.52 | - | 17.04 | 17.04 | 100.00% |
| 5.01.06 | RIEL UNITRUD DE 3/4 | N | UD. | 0.50 | - | 0.50 | 627.71 | - | 313.86 | 313.86 | 100.00% |
| 5.01.07 | ABRAZADERA UNITRUD DE 1 1/2" | N | UD. | 8.00 | - | 8.00 | 28.42 | - | 227.36 | 227.36 | 100.00% |
| 5.01.08 | PANEL BORAD CON: MCB-150/3A, 1-60/3A, 1-70/3A, 1-100/3A, NEMA-1 A 600V | N | UD. | 1.00 | - | 1.00 | 65,000.00 | - | 65,000.00 | 65,000.00 | 100.00% |
| 5.01.09 | MANO DE OBRA | N | P.A. | 1.00 | - | 1.00 | 9,500.00 | - | 9,500.00 | 9,500.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.02.1 | ALIMENTADOR DESDE PANEL BOARD A TRANSFORMADOR DE PADMOUNTED 45KVA A 480-120/240V | N |  |  |  |  |  |  |  |  |  |
| 5.02.01 | ALAMBRE AWG#4 | N | PIE | 180.00 | - | 180.00 | 45.00 | - | 8,100.00 | 8,100.00 | 100.00% |
| 5.02.02 | TUBO EMT DE 1 1/2"\*10 | N | UD. | 2.00 | - | 2.00 | 521.27 | - | 1,042.54 | 1,042.54 | 100.00% |
| 5.02.03 | CURVA EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 13.00 | - | 26.00 | 26.00 | 100.00% |
| 5.02.04 | CONECTOR EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 8.52 | - | 17.04 | 17.04 | 100.00% |
| 5.02.05 | TUERCA BUSHING DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 627.71 | - | 1,255.42 | 1,255.42 | 100.00% |
| 5.02.06 | RIEL UNITRUD DE 3/4 | N | UD. | 0.50 | - | 0.50 | 28.42 | - | 14.21 | 14.21 | 100.00% |
| 5.02.07 | INSTALACION Y MANTENIMIENTO A TRASFORMADOR DE 45 KVA 480-120/240V TIPO PADMOUNTER | N | UD. | 1.00 | - | 1.00 | 43,000.00 | - | 43,000.00 | 43,000.00 | 100.00% |
| 5.02.08 | ENCLOSURE BREAKER DE 60 AMPS, 3F, 600V, NEMA-1 | N | UD. | 1.00 | - | 1.00 | 8,500.00 | - | 8,500.00 | 8,500.00 | 100.00% |
| 5.02.09 | BASE DE HORMIGON PARA TRANSFORMADOR | N | UD. | 1.00 | - | 1.00 | 15,000.00 | - | 15,000.00 | 15,000.00 | 100.00% |
| 5.02.10 | ABRAZADERA UNITRUD DE 1 1/2" | N | UD. | 8.00 | - | 8.00 | 28.42 | - | 227.36 | 227.36 | 100.00% |
| 5.02.11 | MANO DE OBRA | N | P.A. | 1.00 | - | 1.00 | 19,000.00 | - | 19,000.00 | 19,000.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.03.1 | ALIMENTADOR DESDE TRANSFORMADOR DE 45 KVA A ENCLPSURE BREAKER DEL EDIFICIO | N |  |  |  |  |  |  |  |  |  |
| 5.03.01 | ALAMBRE AWG#1/0 | N | PIE | 150.00 | - | 150.00 | 99.61 | - | 14,941.50 | 14,941.50 | 100.00% |
| 5.03.02 | TUBO EMT DE 1 1/2"\*10 | N | UD. | 2.00 | - | 2.00 | 521.27 | - | 1,042.54 | 1,042.54 | 100.00% |
| 5.03.03 | CURVA EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 160.22 | - | 320.44 | 320.44 | 100.00% |
| 5.03.04 | CONECTOR EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 13.00 | - | 26.00 | 26.00 | 100.00% |
| 5.03.05 | TUERCA BUSHING DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 8.52 | - | 17.04 | 17.04 | 100.00% |
| 5.03.06 | RIEL UNITRUD DE 3/4 | N | UD. | 0.50 | - | 0.50 | 627.71 | - | 313.86 | 313.86 | 100.00% |
| 5.03.07 | ENCLOSURE BREAKER DE 125 AMPS, 3F, 600V, NEMA-1 | N | UD. | 1.00 | - | 1.00 | 13,924.00 | - | 13,924.00 | 13,924.00 | 100.00% |
| 5.03.08 | ABRAZADERA UNITRUD DE 1 1/2" | N | UD. | 8.00 | - | 8.00 | 28.42 | - | 227.36 | 227.36 | 100.00% |
| 5.03.09 | TUBO PVC SDR-26 DE 11/2 | N | UD. | 1.00 | - | 1.00 | 324.83 | - | 324.83 | 324.83 | 100.00% |
| 5.03.10 | CUEVA PVC | N | UD. | 2.00 | - | 2.00 | 15.00 | - | 30.00 | 30.00 | 100.00% |
| 5.03.11 | EXCAVACIÓN DE 4\*0.80\*0.60 | N | M³ | 1.92 | - | 1.92 | 500.00 | - | 960.00 | 960.00 | 100.00% |
| 5.03.12 | TAPADO ZANJA | N | M³ | 2.50 | - | 2.50 | 122.33 | - | 305.83 | 305.83 | 100.00% |
| 5.03.13 | MANO DE OBRA | N | P.A. | 1.00 | - | 1.00 | 5,000.00 | - | 5,000.00 | 5,000.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.04.1 | ALIMENTADOR DESDE PANEL BOARD A ARRANCADOR DE BOMBA EXISTENTE | N |  |  |  |  |  |  |  |  |  |
| 5.04.01 | ALAMBRE AWG#2 | N | PIE | 250.00 | - | 250.00 | 67.00 | - | 16,750.00 | 16,750.00 | 100.00% |
| 5.04.02 | TUBO EMT DE 1 1/2"\*10 | N | UD. | 2.00 | - | 2.00 | 521.27 | - | 1,042.54 | 1,042.54 | 100.00% |
| 5.04.03 | CURVA EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 160.22 | - | 320.44 | 320.44 | 100.00% |
| 5.04.04 | CONECTOR EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 13.00 | - | 26.00 | 26.00 | 100.00% |
| 5.04.05 | TUERCA BUSHING DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 8.52 | - | 17.04 | 17.04 | 100.00% |
| 5.04.06 | RIEL UNITRUD DE 3/4 | N | UD. | 0.50 | - | 0.50 | 627.71 | - | 313.86 | 313.86 | 100.00% |
| 5.04.07 | ENCLOSURE BREAKER DE 125 AMPS, 3F, 600V, NEMA-1 | N | UD. | 1.00 | - | 1.00 | 13,924.00 | - | 13,924.00 | 13,924.00 | 100.00% |
| 5.04.08 | ABRAZADERA UNITRUD DE 1 1/2" | N | UD. | 8.00 | - | 8.00 | 28.42 | - | 227.36 | 227.36 | 100.00% |
| 5.04.09 | TUBO PVC SDR-26 DE 11/2 | N | UD. | 3.00 | - | 3.00 | 324.83 | - | 974.49 | 974.49 | 100.00% |
| 5.04.10 | CURVA PVC | N | UD. | 2.00 | - | 2.00 | 15.00 | - | 30.00 | 30.00 | 100.00% |
| 5.04.11 | EXCAVACIÓN DE 20\*0.80\*0.60 | N | M³ | 9.60 | - | 9.60 | 500.00 | - | 4,800.00 | 4,800.00 | 100.00% |
| 5.04.12 | TAPADO ZANJA | N | M³ | 12.48 | - | 12.48 | 122.33 | - | 1,526.72 | 1,526.72 | 100.00% |
| 5.04.13 | MANO DE OBRA | N | P.A. | 1.00 | - | 1.00 | 7,500.00 | - | 7,500.00 | 7,500.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | ALIMENTADOR DESDE TRANSFER A PANEL DE ARRANQUE |  |  |  |  |  |  |  |  |  |  |
| 6.01 | ALAMBRE AWG#1/0 | P | PIE | 250.00 | 250.00 | - | 99.61 | 24,902.50 | - | 24,902.50 | 0.00% |
| 6.02 | TUBO EMT DE 1 1/2"\*10 | P | UD. | 2.00 | 2.00 | - | 521.27 | 1,042.54 | - | 1,042.54 | 0.00% |
| 6.03 | CURVA EMT DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 160.22 | 320.44 | - | 320.44 | 0.00% |
| 6.04 | CONECTOR EMT DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 13.00 | 26.00 | - | 26.00 | 0.00% |
| 6.05 | TUERCA BUSHING DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 8.52 | 17.04 | - | 17.04 | 0.00% |
| 6.06 | RIEL UNITRUD DE 3/4 | P | UD. | 0.50 | 0.50 | - | 627.71 | 313.86 | - | 313.86 | 0.00% |
| 6.07 | ABRAZADERA UNITRUD DE 1 1/2" | P | UD. | 8.00 | 8.00 | - | 28.42 | 227.36 | - | 227.36 | 0.00% |
| 6.08 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 5,000.00 | 5,000.00 | - | 5,000.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 7.00 | ALIMENTADOR BOMBA N° 1 |  |  |  |  |  |  |  |  |  |  |
| 7.01 | ALAMBRE AWG#6 | P | PIE | 135.00 | 135.00 | - | 24.27 | 3,276.45 | - | 3,276.45 | 0.00% |
| 7.02 | TUBO EMT DE 1 1/2" \*10 | P | UD. | 0.50 | 0.50 | - | 521.27 | 260.64 | - | 260.64 | 0.00% |
| 7.03 | CONECTOR EMT DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 13.00 | 26.00 | - | 26.00 | 0.00% |
| 7.04 | TUERCA BUSHING DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 8.52 | 17.04 | - | 17.04 | 0.00% |
| 7.05 | ABRAZADERA UNITRUD DE 1 1/2" | P | UD. | 3.00 | 3.00 | - | 28.42 | 85.26 | - | 85.26 | 0.00% |
| 7.06 | RIEL UNITRUD DE 3/4 | P | UD. | 0.50 | 0.50 | - | 627.71 | 313.86 | - | 313.86 | 0.00% |
| 7.07 | MATERIALES VARIOS | P | UD. | 1.00 | 1.00 | - | 1,000.00 | 1,000.00 | - | 1,000.00 | 0.00% |
| 7.08 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 1,500.00 | 1,500.00 | - | 1,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 8.00 | ALIMENTADOR BOMBA N° 2 |  |  |  |  |  |  |  |  |  |  |
| 8.01 | ALAMBRE AWG#6 | P | PIE | 135.00 | 135.00 | - | 24.27 | 3,276.45 | - | 3,276.45 | 0.00% |
| 8.02 | TUBO EMT DE 1 1/2" \*10 | P | UD. | 0.50 | 0.50 | - | 521.27 | 260.64 | - | 260.64 | 0.00% |
| 8.03 | CONECTOR EMT DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 13.00 | 26.00 | - | 26.00 | 0.00% |
| 8.04 | TUERCA BUSHING DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 8.52 | 17.04 | - | 17.04 | 0.00% |
| 8.05 | ABRAZADERA UNITRUD DE 1 1/2" | P | UD. | 3.00 | 3.00 | - | 28.42 | 85.26 | - | 85.26 | 0.00% |
| 8.06 | RIEL UNITRUD DE 3/4 | P | UD. | 0.50 | 0.50 | - | 627.71 | 313.86 | - | 313.86 | 0.00% |
| 8.07 | MATERIALES VARIOS | P | UD. | 1.00 | 1.00 | - | 1,000.00 | 1,000.00 | - | 1,000.00 | 0.00% |
| 8.08 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 1,500.00 | 1,500.00 | - | 1,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 9.00 | ALIMENTADOR BOMBA N° 3 |  |  |  |  |  |  |  |  |  |  |
| 9.01 | ALAMBRE AWG#6 | P | PIE | 135.00 | 135.00 | - | 24.27 | 3,276.45 | - | 3,276.45 | 0.00% |
| 9.02 | TUBO EMT DE 1 1/2" \*10 | P | UD. | 0.50 | 0.50 | - | 521.27 | 260.64 | - | 260.64 | 0.00% |
| 9.03 | CONECTOR EMT DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 13.00 | 26.00 | - | 26.00 | 0.00% |
| 9.04 | TUERCA BUSHING DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 8.52 | 17.04 | - | 17.04 | 0.00% |
| 9.05 | ABRAZADERA UNITRUD DE 1 1/2" | P | UD. | 3.00 | 3.00 | - | 28.42 | 85.26 | - | 85.26 | 0.00% |
| 9.06 | RIEL UNITRUD DE 3/4 | P | UD. | 0.50 | 0.50 | - | 627.71 | 313.86 | - | 313.86 | 0.00% |
| 9.07 | MATERIALES VARIOS | P | UD. | 1.00 | 1.00 | - | 1,000.00 | 1,000.00 | - | 1,000.00 | 0.00% |
| 9.08 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 1,500.00 | 1,500.00 | - | 1,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 10.00 | ILUMINACIÓN ESTACIÓN DE BOMBEO |  |  |  |  |  |  |  |  |  |  |
| 10.01 | TRANSFORMADOR 5 KVA, 1Ø, 480-120/240 VOLTS | P | UD. | 1.00 | 1.00 | - | 23,126.11 | 23,126.11 | - | 23,126.11 | 0.00% |
| 10.02 | LÁMPARA TIPO COBRA A 240V | P | UD. | 2.00 | 2.00 | - | 6,324.68 | 12,649.36 | - | 12,649.36 | 0.00% |
| 10.03 | POSTE HAV 9M | P | UD. | 2.00 | 2.00 | - | 16,660.00 | 33,320.00 | - | 33,320.00 | 0.00% |
| 10.04 | SALIDA ELÉCTRICA EN TUBERÍA EMT DE 1/2" | P | UD. | 8.00 | 8.00 | - | 853.82 | 6,830.56 | - | 6,830.56 | 0.00% |
| 10.05 | PANEL DE BREAKER DE 4C BREAKER INCLUIDO | P | UD. | 2.00 | 2.00 | - | 1,328.64 | 2,657.28 | - | 2,657.28 | 0.00% |
| 10.06 | MATERIALES VARIOS | P | P.A. | 1.00 | 1.00 | - | 600.00 | 600.00 | - | 600.00 | 0.00% |
| 10.07 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 12,000.00 | 12,000.00 | - | 12,000.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-3-R |  |  |  |  |  |  | 5,836,239.76 | 13,068.32 | 5,849,308.08 | 0.22% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-4-R | CONSTRUCCIÓN ESTACIÓN DE BOMBEO CIRCULAR HINCADA NUEVO RENACER |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES: |  |  |  |  |  |  |  |  |  |  |
| 1.02 | REPLANTEO | P | P.A. | 1.00 | 1.00 | - | 4,704.66 | 4,704.66 | - | 4,704.66 | 0.00% |
| 1.03 | CONTROL TOPOGRÁFICO | P | P.A. | 1.00 | 1.00 | - | 60,750.00 | 60,750.00 | - | 60,750.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTO DE TIERRA: |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN A MANO EN AGUA | P | M³ | 98.04 | 192.92 | - 94.88 | 1,500.00 | 289,380.00 | - 142,318.12 | 147,061.88 | -49.18% |
| 2.01 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO (ESTRUCTURA DESARENADORA) | N | M³ | 192.00 | - | 192.00 | 131.44 | - | 25,236.48 | 25,236.48 | 100.00% |
| 2.03 | ASIENTO DE GRAVA (ESTRUCTURA DESARENADORA) | N | M³ | 3.98 | - | 3.98 | 1,242.50 | - | 4,942.67 | 4,942.67 | 100.00% |
| 2.02 | SACADO DE TIERRA CON CUBETA | P | M³ | 98.04 | 250.79 | - 152.75 | 750.00 | 188,092.50 | - 114,561.56 | 73,530.94 | -60.91% |
| 2.03 | SACADO DE TIERRA HACIA LA CALLE | P | M³ | 98.04 | 250.79 | - 152.75 | 200.00 | 50,158.00 | - 30,549.75 | 19,608.25 | -60.91% |
| 2.04 | BASE DE PIEDRA EN FONDO | P | M³ | 3.33 | 3.33 | - | 2,500.00 | 8,325.00 | - | 8,325.00 | 0.00% |
| 2.04 | RELLENO COMPACTADO CON MATERIAL DE MINA 100% (ESTRUCTURA DESARENADORA) | N | M³ | 87.00 | - | 87.00 | 544.83 | - | 47,400.21 | 47,400.21 | 100.00% |
| 2.05 | BOMBA DE ACHIQUE PERMANENTE | A | Día | 70.00 | 45.00 | 25.00 | 1,050.00 | 47,250.00 | 26,250.00 | 73,500.00 | 55.56% |
| 2.06 | BOTE DE MATERIAL SOBRANTE | A | M³ | 367.45 | 250.79 | 116.66 | 195.88 | 49,123.49 | 22,850.78 | 71,974.27 | 46.52% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | HORMIGÓN F'C = 240 KG/CM² EN: |  |  |  |  |  |  |  |  |  |  |
| 3.01 | LOSA DE FONDO E = 0.40 M. | P | M³ | 2.83 | 4.16 | - 1.33 | 7,520.85 | 31,286.75 | - 10,017.78 | 21,268.97 | -32.02% |
| 3.02 | MUROS DE HORMIGÓN CIRCULAR PREFABRICADO | A | M | 6.05 | 5.68 | 0.37 | 117,969.91 | 670,069.07 | 43,648.87 | 713,717.93 | 6.51% |
| 3.03 | LOSA DE TECHO E = 0.20 M. | P | M³ | 2.04 | 2.77 | - 0.73 | 10,256.27 | 28,409.87 | - 7,528.10 | 20,881.77 | -26.50% |
| 3.04.1 | HORMIGÓN DE LIMPIEZA F'C = 180 KG/CM² | N | M³ | 1.39 | - | 1.39 | 6,378.27 | - | 8,880.46 | 8,880.46 | 100.00% |
| 3.04 | EN LOSA DE FONDO CANALETA (ESTRUCTURA DESARENADORA) E = 0.25 M. (REGISTRO) | A | M³ | 4.97 | 3.36 | 1.61 | 8,833.85 | 29,681.75 | 14,244.59 | 43,926.34 | 47.99% |
| 3.05 | EN MUROS DE CANALETA (ESTRUCTURA DESARENADORA) E = 0.25 M. (REGISTRO) | A | M³ | 17.98 | 16.69 | 1.29 | 11,156.85 | 186,207.89 | 14,442.55 | 200,650.44 | 7.76% |
| 3.06 | ACERO EN LOSA DE FONDO E = 0.40 M. | P | QQ | 2.54 | 15.70 | - 13.17 | 2,787.75 | 43,778.83 | - 36,703.15 | 7,075.67 | -83.84% |
| 3.07 | ACERO EN LOSA DE TECHO E = 0.20 M. | P | QQ | 3.14 | 3.39 | - 0.26 | 2,787.75 | 9,455.59 | - 714.77 | 8,740.82 | -7.56% |
| 3.08 | ACERO LOSA DE FONDO CANALETA (ESTRUCTURA DESARENADORA) | A | QQ | 12.69 | 3.76 | 8.93 | 2,787.75 | 10,490.86 | 24,885.18 | 35,376.05 | 237.21% |
| 3.09 | ACERO EN MURO CANALETA (ESTRUCTURA DESARENADORA) | A | QQ | 45.90 | 18.69 | 27.20 | 2,787.75 | 52,110.85 | 75,836.96 | 127,947.81 | 145.53% |
| 3.10 | IZAJE PARA HINCADO DE ESTRUCTURA CON MEDIOS MECÁNICOS | P | HR | 6.00 | 30.00 | - 24.00 | 17,463.00 | 523,890.00 | - 419,112.00 | 104,778.00 | -80.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | ESTRUCTURA DESARENADORA. (RETENCIÓN DE SÓLIDOS) |  |  |  |  |  |  |  |  |  |  |
| 4.01 | REJILLA ACERO INOX. TRAMPA DE SÓLIDOS (0.60 M X 1.40 M) Ø 3/4" @ 0.02 M | P | UD. | 2.00 | 2.00 | - | 40,420.00 | 80,840.00 | - | 80,840.00 | 0.00% |
| 4.02 | SUM. E INSTALACIÓN COMPUERTAS ACERO INOX. (0.60 M X 1.35 M) e = 1/2" | P | UD. | 2.00 | 2.00 | - | 41,280.00 | 82,560.00 | - | 82,560.00 | 0.00% |
| 4.03 | ESCALERA EN ACERO 4 M | P | UD. | 1.00 | 1.00 | - | 6,800.00 | 6,800.00 | - | 6,800.00 | 0.00% |
| 4.04 | COLOCACIÓN DE MALLA ALREDEDOR DE DESARENADOR | N | M | 19.50 | - | 19.50 | 1,300.00 | - | 25,350.00 | 25,350.00 | 100.00% |
| 4.05 | PUERTA ENTRADA ANCHO 0.90 M | N | UD. | 1.00 | - | 1.00 | 5,972.50 | - | 5,972.50 | 5,972.50 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  | #¡DIV/0! |
| 5.00 | INSTALACIONES ELÉCTRICAS |  |  |  |  |  |  |  |  |  | #¡DIV/0! |
| 5.01 | LÁMPARA DE MERCURIO (ILUMINACIÓN EXT.) INC. PEDESTAL | P | UD. | 1.00 | 1.00 | - | 4,608.87 | 4,608.87 | - | 4,608.87 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | CASETA PARA PROTECCIÓN DE PANELES ELÉCTRICOS F'C = 240 KG/CM²: |  |  |  |  |  |  |  |  |  |  |
| 6.01 | LOSA H.S. FROTADO EN PISO | P | M³ | 0.16 | 0.96 | - 0.80 | 7,337.77 | 7,044.26 | - 5,846.73 | 1,197.52 | -83.00% |
| 6.02 | MURO DE HORMIGÓN E = 0.20 M | NR | M² | - | 10.80 | - 10.80 | 3,968.10 | 42,855.53 | - 42,855.53 | - | -100.00% |
| 6.02 | BLOCK DE 6" CON SERPENTINA Ø 3/8" @ 40 CM | N | M² | 4.60 | - | 4.60 | 972.23 | - | 4,472.26 | 4,472.26 | 100.00% |
| 6.03 | VIGA DE AMARRE (0.20 M X 0.40 M) | NR | M³ | - | 0.38 | - 0.38 | 21,103.02 | 8,019.15 | - 8,019.15 | - | -100.00% |
| 6.04 | LOSA DE TECHO E = 0.14 M. | NR | M³ | - | 1.00 | - 1.00 | 11,702.92 | 11,702.92 | - 11,702.92 | - | -100.00% |
| 6.05 | LOSA DE TECHO E = 0.1 M. | N | M³ | 0.12 | - | 0.12 | 11,702.92 | - | 1,404.35 | 1,404.35 | 100.00% |
| 6.05.1 | ACERO EN PLATEA DE FUNDACIÓN | N | QQ | 0.46 | - | 0.46 | 2,787.75 | - | 1,282.37 | 1,282.37 | 100.00% |
| 6.05.2 | ACERO EN LOSA DE TECHO | N | QQ | 0.20 | - | 0.20 | 2,787.75 | - | 557.55 | 557.55 | 100.00% |
| 6.05 | PAÑETE | P | M² | 9.20 | 22.41 | - 13.21 | 313.08 | 7,016.10 | - 4,135.77 | 2,880.32 | -58.95% |
| 6.06 | CANTOS | P | M | 22.10 | 30.00 | - 7.90 | 86.93 | 2,607.86 | - 686.74 | 1,921.12 | -26.33% |
| 6.07 | FINO DE TECHO | P | M² | 0.91 | 7.20 | - 6.29 | 488.70 | 3,518.61 | - 3,073.90 | 444.71 | -87.36% |
| 6.08 | IMPERMEABILIZANTE EN TECHO | P | M² | 0.91 | 7.20 | - 6.29 | 272.20 | 1,959.80 | - 1,712.11 | 247.70 | -87.36% |
| 6.09 | PINTURA EN MUROS | P | M² | 9.20 | 21.41 | - 12.21 | 130.54 | 2,794.91 | - 1,593.92 | 1,200.99 | -57.03% |
| 6.10 | PINTURA EN TECHOS | P | M² | 0.91 | 7.20 | - 6.29 | 130.54 | 939.91 | - 821.11 | 118.79 | -87.36% |
| 6.11 | PUERTA EN TOLA 2.03 x 1.00 M. | N | P² | 21.84 | - | 21.84 | 405.11 | - | 8,847.42 | 8,847.42 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 7.00 | EQUIPOS DE BOMBEO: |  |  |  |  |  |  |  |  |  |  |
| 7.01 | SUM. E INST. BOMBA, 60 PIE TDH, 25 HP | NR | UD. | - | 3.00 | - 3.00 | 844,607.50 | 2,533,822.50 | - 2,533,822.50 | - | -100.00% |
| 7.01.1 | SUM. E INST. BOMBA, 60 PIE TDH, 12 HP | N | UD. | 3.00 | - | 3.00 | 793,931.05 | - | 2,381,793.15 | 2,381,793.15 | 100.00% |
| 7.02 | BASES DE H.S. PARA APOYO DE BOMBAS | P | UD. | 3.00 | 3.00 | - | 3,970.91 | 11,912.73 | - | 11,912.73 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 8.00 | TUBERÍAS, PIEZAS Y VÁLVULAS PARA BOMBAS: |  |  |  |  |  |  |  |  |  |  |
| 8.01 | CODO Ø 4" X 90° ACERO PLATILLADO | P | UD. | 3.00 | 3.00 | - | 4,555.00 | 13,665.00 | - | 13,665.00 | 0.00% |
| 8.02 | CODO Ø 4" X 45° ACERO CON UN PLATILLO | P | UD. | 3.00 | 3.00 | - | 3,274.70 | 9,824.10 | - | 9,824.10 | 0.00% |
| 8.03 | NIPLE Ø 4" X 4.00 M. ACERO CON DOS PLATILLOS | P | UD. | 3.00 | 3.00 | - | 13,652.30 | 40,956.90 | - | 40,956.90 | 0.00% |
| 8.04 | NIPLE Ø 4" X 0.45 M. ACERO CON DOS PLATILLOS | P | UD. | 3.00 | 3.00 | - | 4,879.50 | 14,638.50 | - | 14,638.50 | 0.00% |
| 8.05 | VÁLVULA CHECK Ø 4" PLATILLADA | P | UD. | 3.00 | 3.00 | - | 11,851.17 | 35,553.50 | - | 35,553.50 | 0.00% |
| 8.06 | VÁLVULA DE COMPUERTA Ø 4" H.F. PLATILLADA | P | UD. | 3.00 | 3.00 | - | 13,538.57 | 40,615.70 | - | 40,615.70 | 0.00% |
| 8.07 | JUNTAS DRESSER Ø 4" | P | UD. | 3.00 | 3.00 | - | 962.61 | 2,887.83 | - | 2,887.83 | 0.00% |
| 8.08 | MANIFOLD Ø 12" ACERO ESP = 1/4" L = 5.00 M CON 2 SALIDAS DE Ø 4" DE L = 0.40 M CON 1 PLATILLO C/U Y 1 SALIDA DE Ø 3" DE L = 0.10 M CON 1 PLATILLO | P | UD. | 1.00 | 1.00 | - | 58,500.00 | 58,500.00 | - | 58,500.00 | 0.00% |
| 8.09 | VÁLVULA DE GOLPE DE ARIETE Ø 3" PLATILLADA | P | UD. | 1.00 | 1.00 | - | 119,453.66 | 119,453.66 | - | 119,453.66 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 9.00 | DESCARGA DEL CÁRCAMO DE BOMBEO Ø 3" ACERO: |  |  |  |  |  |  |  |  |  |  |
| 9.01 | CODO Ø 3" X 90° ACERO PARA SOLDAR | P | UD. | 1.00 | 1.00 | - | 1,500.00 | 1,500.00 | - | 1,500.00 | 0.00% |
| 9.02 | NIPLE Ø 3" X 2.50 M. ACERO CON 1 PLATILLO | P | UD. | 1.00 | 1.00 | - | 5,780.40 | 5,780.40 | - | 5,780.40 | 0.00% |
| 9.03 | JUNTAS DRESSER Ø 12" | P | UD. | 1.00 | 1.00 | - | 3,998.36 | 3,998.36 | - | 3,998.36 | 0.00% |
| 9.04 | VÁLVULA DE AIRE Y VACIO (VENTOSA) DE Ø 3" ROSCADA | P | UD. | 1.00 | 1.00 | - | 125,200.00 | 125,200.00 | - | 125,200.00 | 0.00% |
| 9.05 | VÁLVULA DE COMPUERTA Ø 3" ROSCADA | P | UD. | 1.00 | 1.00 | - | 11,104.08 | 11,104.08 | - | 11,104.08 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 10.00 | TUBERÍAS Y PIEZAS PARA ENTRADA A ESTACIÓN DE BOMBEO: |  |  |  |  |  |  |  |  |  |  |
| 10.01 | NIPLE Ø 12" X 0.70 M. ACERO CON EXTREMOS LISOS | P | UD. | 1.00 | 1.00 | - | 4,644.78 | 4,644.78 | - | 4,644.78 | 0.00% |
| 10.02 | JUNTAS DRESSER Ø 12" | P | UD. | 1.00 | 1.00 | - | 3,998.36 | 3,998.36 | - | 3,998.36 | 0.00% |
| 10.03 | CANALETA EN PLANCHUELA DE ACERO INOXIDABLE L = 3.60 M., A = 3.72 M., ESP = 1/4" CON 2 HUECOS DE SALIDA DE 0.50 M. X 0.50 M. | NR | UD. | - | 1.00 | - 1.00 | 269,850.00 | 269,850.00 | - 269,850.00 | - | -100.00% |
| 10.03.1 | CANALETA EN PLANCHUELA DE ACERO INOXIDABLE L = 1.93 M., A = 3.00 M., ESP = 1/4" CON 3 HUECOS DE SALIDA DE Ø 12" | N | UD. | 1.00 | - | 1.00 | 104,200.00 | - | 104,200.00 | 104,200.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 11.00 | TAPAS Y PELDAÑOS ACCESO A CÁRCAMO: |  |  |  |  |  |  |  |  |  |  |
| 11.01 | TAPA DE ACERO INOXIDABLE (1.40 M. X 0.90 M.) (2 UD.) | P | M² | 2.52 | 2.52 | - | 6,614.38 | 16,668.24 | - | 16,668.24 | 0.00% |
| 11.02 | TAPAS DE H.D. PESADAS | P | UD. | 1.00 | 1.00 | - | 7,300.00 | 7,300.00 | - | 7,300.00 | 0.00% |
| 11.03 | PELDAÑOS DE Ø 3/4" ACERO INOXIDABLE T-316 | P | UD. | 21.00 | 21.00 | - | 12,900.00 | 270,900.00 | - | 270,900.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 12.00 | TERMINACIÓN DE SUPERFICIE CÁRCAMO DE BOMBEO: |  |  |  |  |  |  |  |  |  |  |
| 12.01 | PAÑETE EN MUROS INTERIORES CON IMPERMEABILIZANTE | P | M² | 71.16 | 94.76 | - 23.60 | 334.96 | 31,740.59 | - 7,905.00 | 23,835.59 | -24.91% |
| 12.02 | PAÑETE PULIDO EN MUROS EXTERIORES | P | M² | 27.00 | 80.73 | - 53.73 | 325.91 | 26,310.36 | - 17,510.91 | 8,799.45 | -66.56% |
| 12.03 | CANTOS | P | M | 11.00 | 44.60 | - 33.60 | 86.93 | 3,877.01 | - 2,920.80 | 956.21 | -75.34% |
| 12.04 | FINO PULIDO EN LOSA DE FONDO CON IMPERMEABILIZANTE | P | M² | 10.18 | 21.12 | - 10.94 | 517.14 | 10,922.00 | - 5,657.51 | 5,264.49 | -51.80% |
| 12.05 | FINO FROTADO EN LOSA DE TECHO CON IMPERMEABILIZANTE | P | M² | 20.36 | 21.12 | - 0.76 | 512.33 | 10,820.43 | - 389.37 | 10,431.06 | -3.60% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 13.00 | MISCELÁNEOS: |  |  |  |  |  |  |  |  |  |  |
| 13.01 | LIMPIEZA FINAL | P | P.A. | 1.00 | 1.00 | - | 3,500.00 | 3,500.00 | - | 3,500.00 | 0.00% |
| 13.02 | ESTRUCTURA PARA EXTRACCIÓN DE BOMBA DESDE CÁRCAMO EN VIGAS W16 X 26, (20 M) | P | PIES | 65.60 | 65.60 | - | 3,147.00 | 206,443.20 | - | 206,443.20 | 0.00% |
| 13.03 | TROLLEY, CAP. 1 TONELADA | P | UD. | 1.00 | 1.00 | - | 24,315.00 | 24,315.00 | - | 24,315.00 | 0.00% |
| 13.04 | SISTEMA CONTRA INCENDIO (BOTIQUINES CON MANGUERA), CON EXTINTOR CLASE C O ABC | P | UD. | 3.00 | 3.00 | - | 13,199.18 | 39,597.54 | - | 39,597.54 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 14.00 | CONTROL OPERACIONAL REMOTO |  |  |  |  |  |  |  |  |  |  |
| 14.01 | COSTOS MATERIALES PANEL COMPLETO CON LOS SIGUIENTES EQUIPOS A SUPLIR | P | P.A. | 1.00 | 1.00 | - | 121,880.40 | 121,880.40 | - | 121,880.40 | 0.00% |
| 14.02 | PANEL EN FIBRA DE VIDRIO 28" X 20" X 8" | P | UD. | 1.00 | 1.00 | - |  |  |  |  |  |
| 14.03 | PLC 10 IN/ 6 OUT | P | UD. | 1.00 | 1.00 | - |  |  |  |  |  |
| 14.04 | TARJETA ANÁLOGA 4 CANALES | P | UD. | 1.00 | 1.00 | - |  |  |  |  |  |
| 14.05 | TARJETA DE 8 SALIDAS A RELAY | P | UD. | 1.00 | 1.00 | - |  |  |  |  |  |
| 14.06 | TRANSFORMADOR DE CONTROL DE 500 VA 480 V/120 V | P | UD. | 1.00 | 1.00 | - |  |  |  |  |  |
| 14.07 | POWER SUPPLY DE 5 AMP 120 W | P | UD. | 1.00 | 1.00 | - |  |  |  |  |  |
| 14.08 | SWITCH INDUSTRIAL ETHERNET DE 5 PUERTOS | P | UD. | 1.00 | 1.00 | - |  |  |  |  |  |
| 14.09 | BREAKER DE 2 POLOS 10 AMPERES DIN RAIL | P | UD. | 1.00 | 1.00 | - |  |  |  |  |  |
| 14.10 | BREAKER DE 1 POLOS 6 AMPERES DIN RAIL | P | UD. | 3.00 | 3.00 | - |  |  |  |  |  |
| 14.11 | CONTROLES DE NIVEL 120 V AC | P | UD. | 3.00 | 3.00 | - |  |  |  |  |  |
| 14.12 | TYPE E‐1S BRASS ELECTRODE | P | UD. | 9.00 | 9.00 | - |  |  |  |  |  |
| 14.13 | RELAY 5 ESPADA DE CONTROL ENCENDIDO DE LAS BOMBAS | P | UD. | 3.00 | 3.00 | - |  |  |  |  |  |
| 14.14 | PILOT LIGHT SCHNEIDER 120 V CAT. | P | UD. | 3.00 | 3.00 | - |  |  |  |  |  |
| 14.15 | SELECTOR DE 3 POSICIONES SCHNEIDER | P | UD. | 3.00 | 3.00 | - |  |  |  |  |  |
| 14.16 | CURRENT SENSOR 0‐10 V | P | UD. | 3.00 | 3.00 | - |  |  |  |  |  |
| 14.17 | FLOW SWITCH 1/2" CON PALETA EN ACERO INOXIDABLE | P | UD. | 3.00 | 3.00 | - |  |  |  |  |  |
| 14.18 | ACCESORIOS DE ENSAMBLE DEL PANEL | P | UD. | 1.00 | 1.00 | - |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 15.00 | COSTOS MANO DE OBRA ENSAMBLE PANEL, PROGRAMACIÓN Y PUESTA EN FUNCIONAMIENTO DEL PANEL PARA CUATRO BOMBAS SUMERGIBLES DE AGUAS RESIDUALES | P | P.A. | 1.00 | 1.00 | - | 48,248.79 | 48,248.79 | - | 48,248.79 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-5-3 | CISTERNA |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES |  |  |  |  |  |  |  |  |  |  |
| 1.01 | EXCAVACIÓN 3.00 X 3.50 X 2.80 | P | M³ | 29.40 | 29.40 | - | 221.25 | 6,504.75 | - | 6,504.75 | 0.00% |
| 1.02 | RELLENO DE REPOSICIÓN | P | M³ | 14.60 | 14.60 | - | 122.33 | 1,786.07 | - | 1,786.07 | 0.00% |
| 1.03 | BOTE DE SOBRANTES | P | M³ | 10.42 | 10.42 | - | 195.88 | 2,041.02 | - | 2,041.02 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | HORMIGÓN F´C = 210 HG/CM² EN |  |  |  |  |  |  |  |  |  |  |
| 2.01 | LOSA SUPERIOR 3.00 X 3.50 X 0.12 | P | M³ | 1.26 | 1.26 | - | 9,453.17 | 11,910.99 | - | 11,910.99 | 0.00% |
| 2.02 | LOSA DE FONDO 3.00 X 3.50 X 0.15 | P | M³ | 1.57 | 1.57 | - | 4,824.00 | 7,573.68 | - | 7,573.68 | 0.00% |
| 2.03 | VIGA DE AMARRE A NIVEL DE LOSA 0.20 X 0.20 X 13.00 | P | M³ | 0.52 | 0.52 | - | 18,711.50 | 9,729.98 | - | 9,729.98 | 0.00% |
| 2.04 | MUROS E = 0.20 M, ACERO @ 0.20 M A.D. | P | M³ | 6.50 | 6.50 | - | 7,500.50 | 48,753.27 | - | 48,753.27 | 0.00% |
| 2.05 | ACERO EN LOSA | P | QQ | 1.55 | 1.55 | - | 2,787.75 | 4,321.01 | - | 4,321.01 | 0.00% |
| 2.06 | ACERO EN LOSA FONDO | P | QQ | 3.00 | 3.00 | - | 2,787.75 | 8,363.25 | - | 8,363.25 | 0.00% |
| 2.07 | ACERO EN VIGA DE AMARRE | P | QQ | 1.60 | 1.60 | - | 2,787.75 | 4,460.40 | - | 4,460.40 | 0.00% |
| 2.08 | ACERO EN MUROS | P | QQ | 19.50 | 19.50 | - | 2,787.75 | 54,361.13 | - | 54,361.13 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | BLOQUES |  |  |  |  |  |  |  |  |  |  |
| 3.01 | DE 6" EN HUECO TAPA CISTERNA | P | M² | 1.00 | 1.00 | - | 822.35 | 822.35 | - | 822.35 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | PAÑETES EN |  |  |  |  |  |  |  |  |  |  |
| 4.01 | FRAGUACHE EN MUROS Y LOSA DE TECHO | P | M² | 43.00 | 43.00 | - | 59.40 | 2,554.13 | - | 2,554.13 | 0.00% |
| 4.02 | PAÑETE PULIDO EN MUROS Y LOSA DE PISO | P | M² | 43.00 | 43.00 | - | 313.08 | 13,462.39 | - | 13,462.39 | 0.00% |
| 4.03 | FINO LOSA SUPERIOR | P | M² | 10.50 | 10.50 | - | 488.70 | 5,131.31 | - | 5,131.31 | 0.00% |
| 4.04 | ZABALETA | P | M | 13.00 | 13.00 | - | 79.02 | 1,027.21 | - | 1,027.21 | 0.00% |
| 4.05 | CANTOS | P | M | 3.20 | 3.20 | - | 86.93 | 278.17 | - | 278.17 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | PLOMERÍA |  |  |  |  |  |  |  |  |  |  |
| 5.01 | FLOTA PARA CISTERNA | P | UD. | 1.00 | 1.00 | - | 615.00 | 615.00 | - | 615.00 | 0.00% |
| 5.02 | VÁLVULA DE PASO | P | UD. | 1.00 | 1.00 | - | 425.00 | 425.00 | - | 425.00 | 0.00% |
| 5.03 | CHEQUE PARA CISTERNA | P | UD. | 1.00 | 1.00 | - | 775.00 | 775.00 | - | 775.00 | 0.00% |
| 5.04 | PIEZAS DE PLOMERÍA (TUBOS, CODOS Y ADAPTADORES PVC.) | P | PA | 1.00 | 1.00 | - | 9,500.00 | 9,500.00 | - | 9,500.00 | 0.00% |
| 5.05 | MANO DE OBRA PLOMERO | P | PA | 1.00 | 1.00 | - | 10,000.00 | 10,000.00 | - | 10,000.00 | 0.00% |
| 5.06 | BOMBA PARA CISTERNA 2 HP | P | UD. | 1.00 | 1.00 | - | 35,000.00 | 35,000.00 | - | 35,000.00 | 0.00% |
| 5.07 | TANQUE PRESURIZADO PARA CISTERNA | P | UD. | 1.00 | 1.00 | - | 18,500.00 | 18,500.00 | - | 18,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | VARIOS |  |  |  |  |  |  |  |  |  |  |
| 6.01 | TAPA PARA HUECO CISTERNA | P | UD. | 1.00 | 1.00 | - | 7,500.00 | 7,500.00 | - | 7,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-5-4 | CASA PARA BOMBA CISTERNA |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES |  |  |  |  |  |  |  |  |  |  |
| 1.01 | EXCAVACIÓN ZAPATA DE MURO 8.20 X 0.60 X 1.00 | P | M³ | 4.92 | 4.92 | - | 221.25 | 1,088.55 | - | 1,088.55 | 0.00% |
| 1.02 | RELLENO DE REPOSICIÓN | P | M³ | 2.46 | 2.46 | - | 122.33 | 300.94 | - | 300.94 | 0.00% |
| 1.03 | BOTE DE SOBRANTES | P | M³ | 1.72 | 1.72 | - | 195.88 | 337.30 | - | 337.30 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | HORMIGÓN F´C = 210 HG/CM² EN |  |  |  |  |  |  |  |  |  |  |
| 2.01 | LOSA | P | M³ | 0.55 | 0.55 | - | 9,453.17 | 5,199.24 | - | 5,199.24 | 0.00% |
| 2.02 | ZAPATA DE MURO | P | M³ | 1.25 | 1.25 | - | 4,824.00 | 6,030.00 | - | 6,030.00 | 0.00% |
| 2.03 | VIGA DE AMARRE A NIVEL DE PISO Y NIVEL DE LOSA DE TECHO | P | M³ | 0.65 | 0.65 | - | 18,711.50 | 12,162.48 | - | 12,162.48 | 0.00% |
| 2.04 | DINTEL 1.30 X 0.20 X 0.30 | P | M³ | 0.08 | 0.08 | - | 18,711.50 | 1,459.50 | - | 1,459.50 | 0.00% |
| 2.05 | ACERA | P | M² | 12.20 | 12.20 | - | 611.47 | 7,459.88 | - | 7,459.88 | 0.00% |
| 2.06 | ACERO EN LOSA | P | QQ | 0.50 | 0.50 | - | 2,787.75 | 1,393.88 | - | 1,393.88 | 0.00% |
| 2.07 | ACERO EN ZAPATA DE MURO | P | QQ | 0.60 | 0.60 | - | 2,787.75 | 1,672.65 | - | 1,672.65 | 0.00% |
| 2.08 | ACERO EN VIGA DE AMARRE | P | QQ | 0.47 | 0.47 | - | 2,787.75 | 1,310.24 | - | 1,310.24 | 0.00% |
| 2.09 | ACERO EN DINTELES | P | QQ | 0.10 | 0.10 | - | 2,787.75 | 278.78 | - | 278.78 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | BLOQUES |  |  |  |  |  |  |  |  |  |  |
| 3.01 | DE 8" EN MUROS | P | M² | 22.26 | 22.26 | - | 1,013.63 | 22,563.44 | - | 22,563.44 | 0.00% |
| 3.02 | DE 6" EN GUARDERA | P | M² | 1.64 | 1.64 | - | 822.35 | 1,348.65 | - | 1,348.65 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | PAÑETES EN |  |  |  |  |  |  |  |  |  |  |
| 4.01 | FRAGUACHE EN MUROS | P | M² | 40.40 | 40.40 | - | 59.40 | 2,399.69 | - | 2,399.69 | 0.00% |
| 4.02 | FRAGUACHE EN LOSA DE TECHO | P | M² | 3.75 | 3.75 | - | 59.40 | 222.74 | - | 222.74 | 0.00% |
| 4.03 | MUROS | P | M² | 3.75 | 3.75 | - | 313.08 | 1,174.05 | - | 1,174.05 | 0.00% |
| 4.04 | LOSA DE TECHO | P | M² | 40.40 | 40.40 | - | 313.08 | 12,648.38 | - | 12,648.38 | 0.00% |
| 4.05 | FINO DE LOSA | P | M² | 3.75 | 3.75 | - | 488.70 | 1,832.61 | - | 1,832.61 | 0.00% |
| 4.06 | ZABALETA | P | M² | 8.20 | 8.20 | - | 79.02 | 647.93 | - | 647.93 | 0.00% |
| 4.07 | CANTOS | P | M² | 33.70 | 33.70 | - | 86.93 | 2,929.49 | - | 2,929.49 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | ELECTRICIDAD |  |  |  |  |  |  |  |  |  |  |
| 5.01 | LUCES CENITALES | P | UD. | 2.00 | 2.00 | - | 929.26 | 1,858.52 | - | 1,858.52 | 0.00% |
| 5.02 | TOMA CORRIENTE | P | UD. | 2.00 | 2.00 | - | 1,123.88 | 2,247.76 | - | 2,247.76 | 0.00% |
| 5.03 | INTERRUPTOR DOBLE | P | UD. | 1.00 | 1.00 | - | 1,210.23 | 1,210.23 | - | 1,210.23 | 0.00% |
| 5.04 | CAJA DE BREACKER | P | UD. | 1.00 | 1.00 | - | 1,328.64 | 1,328.64 | - | 1,328.64 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | PLOMERÍA |  |  |  |  |  |  |  |  |  |  |
| 6.01 | DESAGÜE DE TECHO | P | UD. | 1.00 | 1.00 | - | 195.63 | 195.63 | - | 195.63 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 7.00 | VARIOS |  |  |  |  |  |  |  |  |  |  |
| 7.01 | PUERTA | P | UD. | 1.00 | 1.00 | - | 5,555.00 | 5,555.00 | - | 5,555.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 8.00 | PINTURA |  |  |  |  |  |  |  |  |  |  |
| 8.01 | ACRÍLICA EN MUROS | P | M² | 40.40 | 40.40 | - | 130.54 | 5,273.92 | - | 5,273.92 | 0.00% |
| 8.02 | ACRÍLICA EN TECHOS | P | M² | 3.75 | 3.75 | - | 130.54 | 489.53 | - | 489.53 | 0.00% |
| 8.03 | IMPERMEABILIZANTE EN TECHO | P | M² | 3.75 | 3.75 | - | 272.20 | 1,020.73 | - | 1,020.73 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-5-5 | ELECTRIFICACIÓN E.B. NUEVO RENACER |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | INSTALACIÓN ELÉCTRICA DE BAJA TENSIÓN |  |  |  |  |  |  |  |  |  |  |
| 1.00 | ALIMENTADOR DESDE TRANSFER PTAR A PANEL DE ARRANQUE |  |  |  |  |  |  |  |  |  |  |
| 1.01 | ALAMBRE AWG#1/0 | NR | PIE | - | 1,000.00 | - 1,000.00 | 99.61 | 99,610.00 | - 99,610.00 | - | -100.00% |
| 1.01.1 | ALAMBRE AWG#2 | N | PIE | 1,000.00 | - | 1,000.00 | 67.00 | - | 67,000.00 | 67,000.00 | 100.00% |
| 1.02 | TUBO EMT DE 1 1/2"\*10 | P | UD. | 4.00 | 4.00 | - | 521.27 | 2,085.08 | - | 2,085.08 | 0.00% |
| 1.03 | CURVA EMT DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 160.22 | 320.44 | - | 320.44 | 0.00% |
| 1.04 | CONECTOR EMT DE 1 1/2" | P | UD. | 22.00 | 22.00 | - | 13.00 | 286.00 | - | 286.00 | 0.00% |
| 1.05 | TUERCA BUSHING DE 1 1/2" | P | UD. | 22.00 | 22.00 | - | 8.52 | 187.44 | - | 187.44 | 0.00% |
| 1.06 | RIEL UNITRUD DE 3/4 | P | UD. | 1.00 | 1.00 | - | 627.71 | 627.71 | - | 627.71 | 0.00% |
| 1.07 | ABRAZADERA UNITRUD DE 1 1/2" | P | UD. | 20.00 | 20.00 | - | 28.42 | 568.40 | - | 568.40 | 0.00% |
| 1.08 | ENCLOSURE BREAKER DE 125 AMPS, 3F, 600V, NEMA-1 | P | UD. | 1.00 | 1.00 | - | 13,924.00 | 13,924.00 | - | 13,924.00 | 0.00% |
| 1.09 | CONDULET DE 1 1/2" | P | UD. | 1.00 | 1.00 | - | 154.73 | 154.73 | - | 154.73 | 0.00% |
| 1.10 | TUBO IMC DE 1 1/2"\*10 | P | UD. | 2.00 | 2.00 | - | 1,150.51 | 2,301.02 | - | 2,301.02 | 0.00% |
| 1.11 | TUBERÍA SDR 26 DE 2"\*19' | P | M | 90.00 | 270.00 | - 180.00 | 209.00 | 56,430.00 | - 37,620.00 | 18,810.00 | -66.67% |
| 1.12 | EXCAVACIÓN DE 90\*0.80\*0.60 | P | M³ | 43.20 | 129.60 | - 86.40 | 221.25 | 28,674.00 | - 19,116.00 | 9,558.00 | -66.67% |
| 1.13 | BOTE DE SOBRANTES | P | M³ | 4.10 | 12.31 | - 8.21 | 195.88 | 2,411.61 | - 1,607.74 | 803.87 | -66.67% |
| 1.14 | RELLENO COMPACTADO CON MATERIAL IN SITU | P | M³ | 41.04 | 123.12 | - 82.08 | 122.33 | 15,061.68 | - 10,041.12 | 5,020.56 | -66.67% |
| 1.15 | CURVA PVC DE 2" | P | UD. | 8.00 | 8.00 | - | 42.84 | 342.68 | - | 342.68 | 0.00% |
| 1.16 | ADAPTADOR PVC HEMBRA DE 1 1/2" | P | UD. | 8.00 | 8.00 | - | 18.40 | 147.20 | - | 147.20 | 0.00% |
| 1.17 | MATERIALES VARIOS | P | P.A. | 1.00 | 1.00 | - | 3,200.00 | 3,200.00 | - | 3,200.00 | 0.00% |
| 1.18 | MANO DE OBRA | A | P.A. | 7.00 | 3.00 | 4.00 | 5,000.00 | 15,000.00 | 20,000.00 | 35,000.00 | 133.33% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00.1 | ALIMENTADOR DESDE TRANSFORMADOR A ENCLOSURE BREAKER | N |  |  |  |  |  |  |  |  |  |
| 1.00.01 | CONDULET DE 1 1/2" | N | UD. | 1.00 | - | 1.00 | 154.73 | - | 154.73 | 154.73 | 100.00% |
| 1.00.02 | ALAMBRE AWG#2 | N | PIE | 400.00 | - | 400.00 | 67.00 | - | 26,800.00 | 26,800.00 | 100.00% |
| 1.00.03 | TUBO IMC DE 1 1/2"\*10 | N | UD. | 2.00 | - | 2.00 | 1,150.51 | - | 2,301.02 | 2,301.02 | 100.00% |
| 1.00.04 | TUBO EMT DE 1 1/2"\*10 | N | UD. | 2.00 | - | 2.00 | 521.27 | - | 1,042.54 | 1,042.54 | 100.00% |
| 1.00.05 | CONECTOR EMT DE 1 1/2" | N | UD. | 20.00 | - | 20.00 | 13.00 | - | 260.00 | 260.00 | 100.00% |
| 1.00.06 | TUERCA BUSHING DE 1 1/2" | N | UD. | 20.00 | - | 20.00 | 8.52 | - | 170.40 | 170.40 | 100.00% |
| 1.00.07 | RIEL UNITRUD DE 3/4 | N | UD. | 0.50 | - | 0.50 | 627.71 | - | 313.86 | 313.86 | 100.00% |
| 1.00.08 | ABRAZADERA UNITRUD DE 1 1/2" | N | UD. | 12.00 | - | 12.00 | 28.42 | - | 341.04 | 341.04 | 100.00% |
| 1.00.09 | ENCLOSURE BREAKER DE 125 AMPS, 3F, 600V, NEMA-1 | N | UD. | 1.00 | - | 1.00 | 13,924.00 | - | 13,924.00 | 13,924.00 | 100.00% |
| 1.00.10 | TUBERÍA SDR 26 DE 1 1/2"\*19' | N | UD. | 3.00 | - | 3.00 | 324.83 | - | 974.49 | 974.49 | 100.00% |
| 1.00.11 | EXCAVACIÓN DE 12\*0.80\*0.60 | N | M³ | 5.76 | - | 5.76 | 500.00 | - | 2,880.00 | 2,880.00 | 100.00% |
| 1.00.12 | TAPADO ZANJA | N | M³ | 7.50 | - | 7.50 | 122.33 | - | 917.50 | 917.50 | 100.00% |
| 1.00.13 | CURVA PVC DE 1 1/2" | N | UD. | 8.00 | - | 8.00 | 32.95 | - | 263.60 | 263.60 | 100.00% |
| 1.00.14 | ADAPTADOR PVC HEMBRA DE 1 1/2" | N | UD. | 3.00 | - | 3.00 | 18.40 | - | 55.20 | 55.20 | 100.00% |
| 1.00.15 | MATERIALES VARIOS | N | P.A. | 1.00 | - | 1.00 | 3,200.00 | - | 3,200.00 | 3,200.00 | 100.00% |
| 1.00.16 | MANO DE OBRA | N | P.A. | 1.00 | - | 1.00 | 35,500.00 | - | 35,500.00 | 35,500.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00.1 | ALIMENTADOR DESDE ENCLOSURE BREAKER A TRANSFER | N |  |  |  |  |  |  |  |  |  |
| 2.00.01 | ALAMBRE AWG#2 | N | PIE | 40.00 | - | 40.00 | 67.00 | - | 2,680.00 | 2,680.00 | 100.00% |
| 2.00.02 | TUBO EMT DE 1 1/2"\*10 | N | UD. | 2.00 | - | 2.00 | 521.27 | - | 1,042.54 | 1,042.54 | 100.00% |
| 2.00.03 | CURVA EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 160.22 | - | 320.44 | 320.44 | 100.00% |
| 2.00.04 | CONECTOR EMT DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 13.00 | - | 26.00 | 26.00 | 100.00% |
| 2.00.05 | TUERCA BUSHING DE 1 1/2" | N | UD. | 2.00 | - | 2.00 | 8.52 | - | 17.04 | 17.04 | 100.00% |
| 2.00.06 | RIEL UNITRUD DE 3/4 | N | UD. | 0.50 | - | 0.50 | 627.71 | - | 313.86 | 313.86 | 100.00% |
| 2.00.07 | ABRAZADERA UNITRUD DE 1 1/2" | N | UD. | 8.00 | - | 8.00 | 28.42 | - | 227.36 | 227.36 | 100.00% |
| 2.00.08 | PANEL BORAD CON: MCB-125/3A, 1-100/3A, 2-15/3A, 1-30/3A, NEMA-1 A 600V | N | UD. | 1.00 | - | 1.00 | 55,000.00 | - | 55,000.00 | 55,000.00 | 100.00% |
| 2.00.09 | MANO DE OBRA | N | P.A. | 1.00 | - | 1.00 | 9,500.00 | - | 9,500.00 | 9,500.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | ALIMENTADOR BOMBA N° 1 |  |  |  |  |  |  |  |  |  |  |
| 2.01 | ALAMBRE AWG#6 | P | PIE | 135.00 | 135.00 | - | 24.27 | 3,276.45 | - | 3,276.45 | 0.00% |
| 2.02 | TUBO EMT DE 1 1/2"\*10 | P | UD. | 0.50 | 0.50 | - | 521.27 | 260.64 | - | 260.64 | 0.00% |
| 2.03 | CONECTOR EMT DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 13.00 | 26.00 | - | 26.00 | 0.00% |
| 2.04 | TUERCA BUSHING DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 8.52 | 17.04 | - | 17.04 | 0.00% |
| 2.05 | ABRAZADERA UNITRUD DE 1 1/2" | P | UD. | 3.00 | 3.00 | - | 28.42 | 85.26 | - | 85.26 | 0.00% |
| 2.06 | RIEL UNITRUD DE 3/4 | P | UD. | 0.50 | 0.50 | - | 627.71 | 313.86 | - | 313.86 | 0.00% |
| 2.07 | MATERIALES VARIOS | P | UD. | 1.00 | 1.00 | - | 1,000.00 | 1,000.00 | - | 1,000.00 | 0.00% |
| 2.08 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 1,500.00 | 1,500.00 | - | 1,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | ALIMENTADOR BOMBA N° 2 |  |  |  |  |  |  |  |  |  |  |
| 3.01 | ALAMBRE AWG#6 | P | PIE | 135.00 | 135.00 | - | 24.27 | 3,276.45 | - | 3,276.45 | 0.00% |
| 3.02 | TUBO EMT DE 1 1/2"\*10 | P | UD. | 0.50 | 0.50 | - | 521.27 | 260.64 | - | 260.64 | 0.00% |
| 3.03 | CONECTOR EMT DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 13.00 | 26.00 | - | 26.00 | 0.00% |
| 3.04 | TUERCA BUSHING DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 8.52 | 17.04 | - | 17.04 | 0.00% |
| 3.05 | ABRAZADERA UNITRUD DE 1 1/2" | P | UD. | 3.00 | 3.00 | - | 28.42 | 85.26 | - | 85.26 | 0.00% |
| 3.06 | RIEL UNITRUD DE 3/4 | P | UD. | 0.50 | 0.50 | - | 627.71 | 313.86 | - | 313.86 | 0.00% |
| 3.07 | MATERIALES VARIOS | P | UD. | 1.00 | 1.00 | - | 1,000.00 | 1,000.00 | - | 1,000.00 | 0.00% |
| 3.08 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 1,500.00 | 1,500.00 | - | 1,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | ALIMENTADOR BOMBA N° 3 |  |  |  |  |  |  |  |  |  |  |
| 4.01 | ALAMBRE AWG#6 | P | PIE | 135.00 | 135.00 | - | 24.27 | 3,276.45 | - | 3,276.45 | 0.00% |
| 4.02 | TUBO EMT DE 1 1/2"\*10 | P | UD. | 0.50 | 0.50 | - | 521.27 | 260.64 | - | 260.64 | 0.00% |
| 4.03 | CONECTOR EMT DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 13.00 | 26.00 | - | 26.00 | 0.00% |
| 4.04 | TUERCA BUSHING DE 1 1/2" | P | UD. | 2.00 | 2.00 | - | 8.52 | 17.04 | - | 17.04 | 0.00% |
| 4.05 | ABRAZADERA UNITRUD DE 1 1/2" | P | UD. | 3.00 | 3.00 | - | 28.42 | 85.26 | - | 85.26 | 0.00% |
| 4.06 | RIEL UNITRUD DE 3/4 | P | UD. | 0.50 | 0.50 | - | 627.71 | 313.86 | - | 313.86 | 0.00% |
| 4.07 | MATERIALES VARIOS | P | UD. | 1.00 | 1.00 | - | 1,000.00 | 1,000.00 | - | 1,000.00 | 0.00% |
| 4.08 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 1,500.00 | 1,500.00 | - | 1,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | ILUMINACIÓN ESTACIÓN DE BOMBEO |  |  |  |  |  |  |  |  |  |  |
| 5.01 | TRANSFORMADOR 5 KVA, 1Ø, 480-120/240 VOLTS | NR | UD. | - | 1.00 | - 1.00 | 23,126.11 | 23,126.11 | - 23,126.11 | - | -100.00% |
| 5.01.1 | TRANSFORMADOR 10 KVA, 1Ø, 480-120/240 VOLTS | N | UD. | 1.00 | - | 1.00 | 32,000.00 | - | 32,000.00 | 32,000.00 | 100.00% |
| 5.02 | LÁMPARA TIPO COBRA A 240V | A | UD. | 8.00 | 2.00 | 6.00 | 6,324.68 | 12,649.36 | 37,948.08 | 50,597.44 | 300.00% |
| 5.03 | POSTE HAV 9M | A | UD. | 8.00 | 2.00 | 6.00 | 16,660.00 | 33,320.00 | 99,960.00 | 133,280.00 | 300.00% |
| 5.04 | SALIDA ELÉCTRICA EN TUBERÍA EMT DE 1/2" | P | UD. | 8.00 | 8.00 | - | 853.82 | 6,830.56 | - | 6,830.56 | 0.00% |
| 5.04.1 | CIRCUITO ALIMENTADOR DE LÁMPARA | N | UD. | 1.00 | - | 1.00 | 20,000.00 | - | 20,000.00 | 20,000.00 | 100.00% |
| 5.05 | PANEL DE BREAKER DE 4C BREAKER INCLUIDO | NR | UD. | - | 2.00 | - 2.00 | 1,328.64 | 2,657.28 | - 2,657.28 | - | -100.00% |
| 5.05.1 | PANEL DE BREAKER DE 8C BREAKER INCLUIDO | N | UD. | 2.00 | - | 2.00 | 1,700.00 | - | 3,400.00 | 3,400.00 | 100.00% |
| 5.06 | MATERIALES VARIOS | P | P.A. | 1.00 | 1.00 | - | 1,000.00 | 1,000.00 | - | 1,000.00 | 0.00% |
| 5.07 | MANO DE OBRA | A | P.A. | 1.67 | 1.00 | 0.67 | 12,000.00 | 12,000.00 | 8,040.00 | 20,040.00 | 67.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-5 |  |  |  |  |  |  | 7,398,252.53 | - 584,715.44 | 6,813,537.09 | -7.90% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-6 | CONSTRUCCIÓN ESTACIÓN DE BOMBEO LOS COQUITOS |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES: |  |  |  |  |  |  |  |  |  |  |
| 1.01 | DEMOLICIÓN ESTRUCTURAS EN HORMIGÓN ARMADO | P | M³ | 24.27 | 24.27 | - | 561.00 | 13,615.47 | - | 13,615.47 | 0.00% |
| 1.02 | DEMOLICIÓN MURO DE BLOCKS | P | M² | 49.22 | 49.22 | - | 102.00 | 5,020.44 | - | 5,020.44 | 0.00% |
| 1.03 | BOTE DEMOLICIÓN | P | M³ | 41.15 | 41.15 | - | 195.88 | 8,060.04 | - | 8,060.04 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTO DE TIERRA: |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN MATERIAL NO CLASIFICADO EN CÁRCAMO | P | M³ | 202.76 | 202.76 | - | 221.25 | 44,860.65 | - | 44,860.65 | 0.00% |
| 2.02 | RELLENO COMPACTADO | P | M³ | 89.85 | 89.85 | - | 122.33 | 10,991.65 | - | 10,991.65 | 0.00% |
| 2.03 | BOTE DE MATERIAL SOBRANTE | P | M³ | 112.90 | 112.90 | - | 195.88 | 22,114.29 | - | 22,114.29 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-6 |  |  |  |  |  |  | 104,662.54 | - | 104,662.54 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-5-R | LÍNEA DE IMPULSIÓN DESDE EB LOS CALLEJONES HASTA CONEXIÓN CON ALCANTARILLADO EN AVENIDA FRANCISCO ALBERTO CAMAÑO |  |  |  |  |  |  |  |  |  |  |
| 1.00 | TRABAJOS GENERALES |  |  |  |  |  |  |  |  |  |  |
| 1.01 | REPLANTEO Y CONTROL TOPOGRÁFICO | P | M | 201.90 | 201.90 | - | 135.00 | 27,256.50 | - | 27,256.50 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTOS DE TIERRAS |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO | P | M³ | 257.42 | 257.42 | - | 131.44 | 33,835.61 | - | 33,835.61 | 0.00% |
| 2.02 | ARENA PARA ASIENTO TUBERÍAS | P | M³ | 25.74 | 25.74 | - | 1,318.05 | 33,929.57 | - | 33,929.57 | 0.00% |
| 2.03 | RELLENO COMPACTADO CON MATERIAL DE MINA 100% | A | M³ | 216.95 | 214.61 | 2.34 | 544.84 | 116,926.04 | 1,277.00 | 118,203.04 | 1.09% |
| 2.04 | CORTE DE ASFALTO CON MÁQUINA | P | M | 403.80 | 403.80 | - | 107.13 | 43,260.78 | - | 43,260.78 | 0.00% |
| 2.05 | EXTRACCIÓN Y BOTE DE ASFALTO | P | M² | 17.16 | 17.16 | - | 145.88 | 2,503.52 | - | 2,503.52 | 0.00% |
| 2.06 | BOTE DE SOBRANTES | P | M³ | 40.47 | 42.82 | - 2.35 | 195.88 | 8,386.64 | - 459.58 | 7,927.06 | -5.48% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | SUMINISTRO DE TUBERÍAS DE: |  |  |  |  |  |  |  |  |  |  |
| 3.01 | Ø 12" PVC - SDR 26 CON JUNTA DE GOMA | P | M | 201.90 | 201.90 | - | 2,715.00 | 548,158.50 | - | 548,158.50 | 0.00% |
| 3.02 | Acarreo interno Ø 12" PVC - SDR 26 CON JUNTA DE GOMA | P | M | 201.90 | 201.90 | - | 35.00 | 7,066.50 | - | 7,066.50 | 0.00% |
| 3.03 | TUBERÍA Ø 12" ACERO | P | M | 18.00 | 18.00 | - | 4,644.48 | 83,600.64 | - | 83,600.64 | 0.00% |
| 3.04 | Codo Ø 12" x 45º HN | P | UD. | 3.00 | 6.00 | - 3.00 | 23,827.00 | 142,962.00 | - 71,481.00 | 71,481.00 | -50.00% |
| 3.05 | JUNTA DRESSER DE 12" | P | UD. | 12.00 | 12.00 | - | 3,998.36 | 47,980.32 | - | 47,980.32 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | COLOCACIÓN DE TUBERÍAS DE: |  |  |  |  |  |  |  |  |  |  |
| 4.01 | Ø 12" PVC - SDR 26 CON JUNTA DE GOMA | P | M | 201.90 | 201.90 | - | 83.40 | 16,838.46 | - | 16,838.46 | 0.00% |
| 4.02 | TUBERÍA Ø 12" ACERO | P | M | 18.00 | 18.00 | - | 180.00 | 3,240.00 | - | 3,240.00 | 0.00% |
| 4.03 | Codo Ø 12" x 45º HN | P | UD. | 3.00 | 6.00 | - 3.00 | 440.00 | 2,640.00 | - 1,320.00 | 1,320.00 | -50.00% |
| 4.04 | JUNTA DRESSER DE 12" | P | UD. | 12.00 | 12.00 | - | 320.00 | 3,840.00 | - | 3,840.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | TRABAJOS Y OBRAS COMPLEMENTARIA |  |  |  |  |  |  |  |  |  |  |
| 5.01 | CATAS Y SONDEOS Y REPARACIÓN DE AVERÍAS | P | P.A. | 1.00 | 1.00 | - | 26,524.63 | 26,524.63 | - | 26,524.63 | 0.00% |
| 5.02 | REPOSICIÓN DE CARPETA ASFÁLTICA | P | M² | 171.62 | 171.62 | - | 714.85 | 122,679.79 | - | 122,679.79 | 0.00% |
| 5.03 | ANCLAJES H.S. PARA PIEZAS ESPECIALES | P | UD. | 6.00 | 6.00 | - | 2,500.00 | 15,000.00 | - | 15,000.00 | 0.00% |
| 5.04 | REGISTRO LADRILLO PROFUNDIDAD DE 2.01 M. A 3.00 M. | P | UD. | 1.00 | 1.00 | - | 44,718.91 | 44,718.91 | - | 44,718.91 | 0.00% |
| 5.05 | ACHIQUE CON BOMBA DE 4" | A | HR | 50.00 | 10.00 | 40.00 | 271.86 | 2,718.60 | 10,874.40 | 13,593.00 | 400.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-5-R |  |  |  |  |  |  | 1,334,067.01 | - 61,109.18 | 1,272,957.83 | -4.58% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-6-R | LÍNEA DE IMPULSIÓN DESDE EB NUEVO RENACER HASTA PTAR |  |  |  |  |  |  |  |  |  |  |
| 1.00 | TRABAJOS GENERALES |  |  |  |  |  |  |  |  |  |  |
| 1.02 | REPLANTEO Y CONTROL TOPOGRÁFICO | P | M | 62.00 | 234.00 | - 172.00 | 135.00 | 31,590.00 | - 23,220.00 | 8,370.00 | -73.50% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTOS DE TIERRAS |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO | P | M³ | 79.05 | 284.31 | - 205.26 | 131.44 | 37,369.71 | - 26,979.37 | 10,390.33 | -72.20% |
| 2.02 | ARENA PARA ASIENTO TUBERÍAS | P | M³ | 7.91 | 29.84 | - 21.93 | 1,318.05 | 39,324.02 | - 28,898.25 | 10,425.78 | -73.49% |
| 2.03 | RELLENO COMPACTADO CON MATERIAL DE MINA 100% | P | M³ | 66.62 | 251.44 | - 184.82 | 544.84 | 136,995.08 | - 100,697.84 | 36,297.24 | -73.50% |
| 2.04 | BOTE DE SOBRANTES | P | M³ | 12.43 | 46.91 | - 34.48 | 195.88 | 9,188.31 | - 6,753.58 | 2,434.73 | -73.50% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | SUMINISTRO DE TUBERÍAS DE: |  |  |  |  |  |  |  |  |  |  |
| 3.01 | Ø 12" PVC - SDR 26 CON JUNTA DE GOMA | P | M | 62.00 | 234.00 | - 172.00 | 2,715.00 | 635,310.00 | - 466,980.00 | 168,330.00 | -73.50% |
| 3.02 | Acarreo interno Ø 12" PVC - SDR 26 CON JUNTA DE GOMA | P | M | 62.00 | 234.00 | - 172.00 | 35.00 | 8,190.00 | - 6,020.00 | 2,170.00 | -73.50% |
| 3.03 | Codo Ø 12" x 45º HN | P | UD. | 2.00 | 5.00 | - 3.00 | 23,827.00 | 119,135.00 | - 71,481.00 | 47,654.00 | -60.00% |
| 3.04 | JUNTA DRESSER DE 12" | P | UD. | 4.00 | 10.00 | - 6.00 | 3,998.36 | 39,983.60 | - 23,990.16 | 15,993.44 | -60.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | COLOCACIÓN DE TUBERÍAS DE: |  |  |  |  |  |  |  |  |  |  |
| 4.01 | Ø 12" PVC - SDR 26 CON JUNTA DE GOMA | P | M | 62.00 | 234.00 | - 172.00 | 83.40 | 19,515.60 | - 14,344.80 | 5,170.80 | -73.50% |
| 4.02 | Codo Ø 12" x 45º HN | P | UD. | 2.00 | 5.00 | - 3.00 | 440.00 | 2,200.00 | - 1,320.00 | 880.00 | -60.00% |
| 4.03 | JUNTA DRESSER DE 12" | P | UD. | 4.00 | 10.00 | - 6.00 | 320.00 | 3,200.00 | - 1,920.00 | 1,280.00 | -60.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | TRABAJOS Y OBRAS COMPLEMENTARIA |  |  |  |  |  |  |  |  |  |  |
| 5.01 | CATAS Y SONDEOS Y REPARACIÓN DE AVERÍAS | P | P.A. | 1.00 | 1.00 | - | 26,524.63 | 26,524.63 | - | 26,524.63 | 0.00% |
| 5.02 | ANCLAJES H.S. PARA PIEZAS ESPECIALES | P | UD. | 6.00 | 6.00 | - | 2,500.00 | 15,000.00 | - | 15,000.00 | 0.00% |
| 5.03 | REGISTRO LADRILLO PROFUNDIDAD DE 2.01 M. A 3.00 M. | P | UD. | 1.00 | 1.00 | - | 44,718.91 | 44,718.91 | - | 44,718.91 | 0.00% |
| 5.04 | ACHIQUE CON BOMBA DE 4" | A | HR | 50.00 | 10.00 | 40.00 | 271.86 | 2,718.60 | 10,874.40 | 13,593.00 | 400.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-6-R |  |  |  |  |  |  | 1,170,963.46 | - 761,730.61 | 409,232.85 | -65.05% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-10 | PLANTA DE PRETRATAMIENTO |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 | TRABAJOS PRELIMINARES: |  |  |  |  |  |  |  |  |  |  |
| 1.01 | LIMPIEZA DEL ÁREA, INCLUYE DESTRONQUE DE ARBOLES | P | P.A. | 1.00 | 1.00 | - | 18,500.00 | 18,500.00 | - | 18,500.00 | 0.00% |
| 1.02 | BOTE DE MATERIALES, PRODUCTO DE LA LIMPIEZA | P | P.A. | 1.00 | 1.00 | - | 8,900.00 | 8,900.00 | - | 8,900.00 | 0.00% |
| 1.03 | REPLANTEO | P | P.A. | 1.00 | 1.00 | - | 6,500.00 | 6,500.00 | - | 6,500.00 | 0.00% |
| 1.05 | CASETA DE MATERIALES Y CAMPAMENTO | NR | P.A. | - | 1.00 | - 1.00 | 69,000.00 | 69,000.00 | - 69,000.00 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTO DE TIERRA: |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO C/EQUIPO | A | M³ | 412.44 | 397.30 | 15.14 | 131.44 | 52,221.11 | 1,990.00 | 54,211.11 | 3.81% |
| 2.02 | RELLENO COMPACTADO MAT. DE PRÉSTAMO | A | M³ | 486.42 | 467.41 | 19.01 | 544.83 | 254,660.55 | 10,355.37 | 265,015.92 | 4.07% |
| 2.03 | BOTE DE MATERIAL SOBRANTE ( PARA 5.00 KM ) | A | M³ | 536.17 | 516.49 | 19.68 | 195.88 | 101,167.48 | 3,855.21 | 105,022.69 | 3.81% |
| 2.04 | SANEAMIENTO ESTRUCTURAL DEL TERRENO EN PREDIO PLANTA DE PRETRATAMIENTO | N | M³ | 1,340.30 | - | 1,340.30 | 745.09 | - | 998,644.13 | 998,644.13 | 100.00% |
| 2.05 | CONFECCIÓN DE PIEDRAPLEN, COMPUESTO DE UNA CAPA DE ROCA Y OTRA DE MATERIAL DE PRÉSTAMO | N | M³ | 55.28 | - | 55.28 | 887.08 | - | 49,037.78 | 49,037.78 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | HORMIGÓN ARMADO F'C = 240 KG/CM² EN: |  |  |  |  |  |  |  |  |  |  |
| 3.01 | HORMIGÓN DE LIMPIEZA F'C = 180 KG/CM² | P | M³ | 31.41 | 70.40 | - 38.99 | 6,378.27 | 449,029.90 | - 248,668.80 | 200,361.10 | -55.38% |
| 3.02 | LOSA DE FONDO CÁMARA DE ENTRADA, E = 0.30 M. | A | M³ | 9.11 | 7.20 | 1.91 | 7,520.85 | 54,150.15 | 14,349.79 | 68,499.94 | 26.50% |
| 3.03 | LOSA DE FONDO E = 0.30 M | A | M³ | 78.08 | 74.79 | 3.29 | 7,520.85 | 562,484.66 | 24,713.98 | 587,198.64 | 4.39% |
| 3.04 | LOSA DE FONDO CÁMARA DE SALIDA, E = 0.45 M. | A | M³ | 15.91 | 14.20 | 1.71 | 7,520.85 | 106,796.13 | 12,875.70 | 119,671.83 | 12.06% |
| 3.05 | MUROS E = 0.30 M | A | M³ | 253.11 | 250.74 | 2.37 | 11,089.52 | 2,780,625.20 | 26,238.36 | 2,806,863.56 | 0.94% |
| 3.05.1 | LOSAS SUPERIORES, SOPORTE MILITAMICES Y PASARELAS | N | M³ | 5.98 | - | 5.98 | 11,702.92 | - | 69,985.15 | 69,985.15 | 100.00% |
| 3.05.2 | ZAPATA ESCALERA | N | M³ | 0.36 | - | 0.36 | 7,520.85 | - | 2,707.51 | 2,707.51 | 100.00% |
| 3.05.3 | MUROS ESCALERA E = 0.20 M | N | M³ | 0.97 | - | 0.97 | 11,089.52 | - | 10,745.75 | 10,745.75 | 100.00% |
| 3.05.3 | RAMPA Y PELDAÑOS ESCALERA | N | M³ | 1.57 | - | 1.57 | 11,702.92 | - | 18,420.40 | 18,420.40 | 100.00% |
| 3.05.4 | JUNTAS WATER STOP ENTRE MUROS | N | M | 178.33 | - | 178.33 | 599.70 | - | 106,944.50 | 106,944.50 | 100.00% |
| 3.05.5 | LOSA DE FONDO SECADO LODO, E = 0.20 M. | N | M³ | 8.58 | - | 8.58 | 7,520.85 | - | 64,517.65 | 64,517.65 | 100.00% |
| 3.05.6 | MUROS SECADO LODO E = 0.20 M | N | M³ | 8.53 | - | 8.53 | 11,089.52 | - | 94,626.88 | 94,626.88 | 100.00% |
| 3.05.7 | BOVEDILLAS DE EPS | N | M³ | 1.70 | - | 1.70 | 8,414.67 | - | 14,304.94 | 14,304.94 | 100.00% |
| 3.06 | ACERO EN LOSA DE FONDO CÁMARA DE ENTRADA, E = 0.30 MTS. | A | QQ | 35.02 | 7.27 | 27.75 | 2,787.75 | 20,266.94 | 77,364.35 | 97,631.30 | 381.73% |
| 3.07 | ACERO EN LOSA DE FONDO, E = 0.30 MTS. | A | QQ | 127.48 | 75.54 | 51.95 | 2,787.75 | 210,574.53 | 144,813.25 | 355,387.77 | 68.77% |
| 3.08 | ACERO LOSA DE FONDO CÁMARA DE SALIDA | A | QQ | 33.77 | 14.34 | 19.43 | 2,787.75 | 39,976.34 | 54,158.02 | 94,134.35 | 135.48% |
| 3.09 | ACERO EN MUROS | A | QQ | 688.45 | 225.59 | 462.85 | 2,787.75 | 628,899.47 | 1,290,313.20 | 1,919,212.67 | 205.17% |
| 3.09.1 | ACERO EN LOSAS SUPERIORES, SOPORTE MILITAMICES Y PASARELAS | N | QQ | 14.56 | - | 14.56 | 2,787.75 | - | 40,589.64 | 40,589.64 | 100.00% |
| 3.09.2 | ACERO EN ZAPATA ESCALERA | N | QQ | 0.60 | - | 0.60 | 2,787.75 | - | 1,672.65 | 1,672.65 | 100.00% |
| 3.09.3 | ACERO EN MUROS ESCALERA E = 0.20 M | N | QQ | 1.33 | - | 1.33 | 2,787.75 | - | 3,707.71 | 3,707.71 | 100.00% |
| 3.09.4 | ACERO EN RAMPA Y PELDAÑOS ESCALERA | N | QQ | 5.23 | - | 5.23 | 2,787.75 | - | 14,579.93 | 14,579.93 | 100.00% |
| 3.09.5 | ACERO LOSA DE FONDO SECADO DE LODO | N | QQ | 20.01 | - | 20.01 | 2,787.75 | - | 55,793.57 | 55,793.57 | 100.00% |
| 3.09.6 | ACERO EN MUROS SECADO DE LODO | N | QQ | 13.70 | - | 13.70 | 2,787.75 | - | 38,202.87 | 38,202.87 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | TERMINACIÓN DE SUPERFICIE: |  |  |  |  |  |  |  |  |  |  |
| 4.01 | FINO LOSA DE FONDO | P | M² | 223.54 | 267.60 | - 44.06 | 512.33 | 137,101.31 | - 22,574.82 | 114,526.49 | -16.47% |
| 4.02 | FRAGUACHE | A | M² | 1,689.03 | 1,615.73 | 73.30 | 59.40 | 95,971.75 | 4,353.78 | 100,325.53 | 4.54% |
| 4.03 | PAÑETE EXTERIOR | P | M² | 411.13 | 560.97 | - 149.84 | 313.08 | 175,628.33 | - 46,912.26 | 128,716.07 | -26.71% |
| 4.04 | PAÑETE INTERIOR | A | M² | 677.24 | 584.82 | 92.42 | 313.08 | 183,093.60 | 28,935.87 | 212,029.47 | 15.80% |
| 4.04.1 | FINO LOSA SUPERIOR | N | M² | 153.58 | - | 153.58 | 488.70 | - | 75,053.93 | 75,053.93 | 100.00% |
| 4.05 | PAÑETE INTERIOR PULIDO | P | M² | 223.54 | 469.94 | - 246.40 | 334.96 | 157,411.28 | - 82,534.84 | 74,876.44 | -52.43% |
| 4.06 | ZABALETA | P | M | 141.88 | 141.88 | - | 79.02 | 11,210.96 | - | 11,210.96 | 0.00% |
| 4.07 | CANTOS | A | M | 598.12 | 460.76 | 137.36 | 86.93 | 40,053.37 | 11,940.35 | 51,993.71 | 29.81% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | SUM. Y COLOC. VÁLVULAS, TUBERÍAS Y PIEZAS ESPECIALES: |  |  |  |  |  |  |  |  |  |  |
| 5.01 | EXCAVACIÓN MATERIAL NO CLASIFICADO | P | M³ | 88.80 | 88.80 | - | 131.44 | 11,671.87 | - | 11,671.87 | 0.00% |
| 5.02 | BOTE DE MATERIAL | P | M³ | 115.44 | 115.44 | - | 195.88 | 22,611.81 | - | 22,611.81 | 0.00% |
| 5.08 | VÁLVULAS DE COMPUERTA H. F. Ø 6 PLATILLADA | P | UD. | 4.00 | 4.00 | - | 23,710.72 | 94,842.88 | - | 94,842.88 | 0.00% |
| 5.09 | VÁLVULAS DE COMPUERTA H. F. Ø 8 PLATILLADA | P | UD. | 1.00 | 1.00 | - | 35,853.76 | 35,853.76 | - | 35,853.76 | 0.00% |
| 5.13 | TEE Ø 6" X 6" PLATILLADA ACERO | P | UD. | 2.00 | 2.00 | - | 6,600.00 | 13,200.00 | - | 13,200.00 | 0.00% |
| 5.15 | NIPLE Ø 20 X 12´ PLATILLADO ACERO | P | UD. | 1.00 | 1.00 | - | 80,506.00 | 80,506.00 | - | 80,506.00 | 0.00% |
| 5.16 | NIPLE Ø 24 X 3´ PLATILLADO ACERO | P | UD. | 1.00 | 1.00 | - | 61,787.00 | 61,787.00 | - | 61,787.00 | 0.00% |
| 5.17 | NIPLE Ø 30 X 3´ PLATILLADO ACERO | P | UD. | 1.00 | 1.00 | - | 101,277.00 | 101,277.00 | - | 101,277.00 | 0.00% |
| 5.18 | NIPLE Ø 40 X 3´ PLATILLADO ACERO | P | UD. | 1.00 | 1.00 | - | 119,323.10 | 119,323.10 | - | 119,323.10 | 0.00% |
| 5.18.1 | JUNTAS DRESSER Ø 16" | P | UD. | 1.00 | 1.00 | - | 5,192.00 | 5,192.00 | - | 5,192.00 | 0.00% |
| 5.18.2 | JUNTAS DRESSER Ø 20" | P | UD. | 1.00 | 1.00 | - | 15,222.00 | 15,222.00 | - | 15,222.00 | 0.00% |
| 5.18.3 | JUNTAS DRESSER Ø 30" | P | UD. | 1.00 | 1.00 | - | 22,774.00 | 22,774.00 | - | 22,774.00 | 0.00% |
| 5.19 | CODO Ø 6 X 45 PLATILLADO ACERO | A | UD. | 12.00 | 8.00 | 4.00 | 10,350.00 | 82,800.00 | 41,400.00 | 124,200.00 | 50.00% |
| 5.20 | CODO Ø 6 X 90 PLATILLADO ACERO | P | UD. | 6.00 | 6.00 | - | 9,950.00 | 59,700.00 | - | 59,700.00 | 0.00% |
| 5.21 | CODO Ø 40" X 45 PLATILLADO ACERO | N | UD. | 1.00 | - | 1.00 | 96,000.00 | - | 96,000.00 | 96,000.00 | 100.00% |
| 5.23 | TUBERÍA Ø 6" ACERO | P | M | 60.00 | 60.00 | - | 2,400.12 | 144,007.20 | - | 144,007.20 | 0.00% |
| 5.25 | TUBERÍA Ø 12" ACERO | NR | M | - | 43.00 | - 43.00 | 4,644.48 | 199,712.64 | - 199,712.64 | - | -100.00% |
| 5.27 | TUBERÍA Ø 40" ACERO | P | M | 40.00 | 40.00 | - | 36,527.45 | 1,461,098.18 | - | 1,461,098.18 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | VARIOS |  |  |  |  |  |  |  |  |  |  |
| 6.01 | SUM. Y COLOC. DE REJILLA ACERO INOX. BARRAS DE 1" @ 2.0 CM. | P | UD. | 4.00 | 4.00 | - | 154,700.00 | 618,800.00 | - | 618,800.00 | 0.00% |
| 6.02 | SUM. Y COL. COMPUERTAS ACERO INOX (1.35 M X 1.30 M) e = 1/2" | P | UD. | 20.00 | 20.00 | - | 108,000.00 | 2,160,000.00 | - | 2,160,000.00 | 0.00% |
| 6.02.1 | RECRECIDO COMPUERTAS ACERO INOX (1.35 M X 1.30 M) e = 1/2" | N | UD. | 20.00 | - | 20.00 | 16,200.00 | - | 324,000.00 | 324,000.00 | 100.00% |
| 6.03 | ACERA PERIMETRAL | P | M² | 200.00 | 379.00 | - 179.00 | 611.47 | 231,745.45 | - 109,452.34 | 122,293.11 | -47.23% |
| 6.04.1 | VERJA DE BLOQUES DE HORMIGÓN | P | M | 898.00 | 989.00 | - 91.00 | 6,777.19 | 6,702,644.17 | - 616,724.59 | 6,085,919.58 | -9.20% |
| 6.05 | PUERTA DE VERJA L 4.00 M | NR | UD. | - | 1.00 | - 1.00 | 23,890.00 | 23,890.00 | - 23,890.00 | - | -100.00% |
| 6.07 | EQUIPO TAMIZ A TAMBOR GIRATORIO PARA AGUAS RESIDUALES EN CANAL CON CAPACIDAD DE 500 L/S | P | UD. | 2.00 | 2.00 | - | 6,591,241.25 | 13,182,482.50 | - | 13,182,482.50 | 0.00% |
| 6.08 | TRANSPORTADOR A SINFÍN | P | UD. | 1.00 | 1.00 | - | 617,202.17 | 617,202.17 | - | 617,202.17 | 0.00% |
| 6.09 | BARANDA METÁLICA | NR | M | - | 60.00 | - 60.00 | 500.00 | 30,000.00 | - 30,000.00 | - | -100.00% |
| 6.10 | BARANDA EN TUBO REDONDO DE 2" EN ESCALERA Y PASARELA | N | M | 66.00 | - | 66.00 | 1,650.00 | - | 108,900.00 | 108,900.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-10.1.1 | REMOCIÓN DE TUBERÍA DE 30" HDS Y COLOCACIÓN TUBERÍA DE ACERO 30" |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 | MOVIMIENTO DE TIERRA: |  |  |  |  |  |  |  |  |  |  |
| 1.01 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO | A | M³ | 504.00 | 252.00 | 252.00 | 131.44 | 33,122.88 | 33,122.88 | 66,245.76 | 100.00% |
| 1.02 | ARENA PARA ASIENTO TUBERÍAS | P | M³ | 25.20 | 25.20 | - | 1,318.05 | 33,214.86 | - | 33,214.86 | 0.00% |
| 1.03 | RELLENO COMPACTADO CON MATERIAL IN SITU | P | M³ | 252.00 | 501.33 | - 249.33 | 122.33 | 61,329.41 | - 30,501.41 | 30,828.00 | -49.73% |
| 1.03.1 | RELLENO COMPACTADO MAT. DE PRÉSTAMO | N | M³ | 169.57 | - | 169.57 | 544.83 | - | 92,389.30 | 92,389.30 | 100.00% |
| 1.04 | SUMINISTRO MATERIAL DE RELLENO GRANULAR | NR | M³ | - | 169.57 | - 169.57 | 1,200.00 | 203,488.20 | - 203,488.20 | - | -100.00% |
| 1.05 | BOTE DE SOBRANTES | P | M³ | 327.60 | 327.60 | - | 195.88 | 64,168.65 | - | 64,168.65 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | EXTRACCIÓN DE TUBERÍA 30" DE ACERO | P | M | 90.00 | 90.00 | - | 1,500.00 | 135,000.00 | - | 135,000.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | SUMINISTRO DE TUBO DE ACERO C/COSTURA DE 30" X 1/4" X 5.8 MTS | P | M | 90.00 | 90.00 | - | 20,737.32 | 1,866,358.80 | - | 1,866,358.80 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | INSTALACIÓN DE TUBO DE ACERO C/COSTURA DE 30" X 1/4" X 5.8 MTS | P | M | 90.00 | 90.00 | - | 2,079.11 | 187,120.31 | - | 187,120.31 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00.1 | CODOS 30" x 90 ACERO | P | UD. | 2.00 | 2.00 | - | 56,640.00 | 113,280.00 | - | 113,280.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00.2 | PINTURA EPOXICA DE TUBERÍA Ø 30" ACERO (INTERIOR Y EXTERIOR) | N | M² | 244.48 | - | 244.48 | 564.27 | - | 137,952.73 | 137,952.73 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00.3 | CIERRE REGISTRO ENTRADA TUBERÍA DE HDP 30" EN PLANTA TRATAMIENTO Y DESVÍO HACIA LAGUNA SUROESTE | N | UD. | 1.00 | - | 1.00 | 159,380.00 | - | 159,380.00 | 159,380.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00.4 | REGISTRO HERMÉTICO EN CAMBIO DE TUBERÍA DE HDS 30" A ACERO 30" | N | UD. | 1.00 | - | 1.00 | 239,457.87 | - | 239,457.87 | 239,457.87 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | ANCLAJE DE H.A. | P | M³ | 6.57 | 6.57 | - | 18,846.79 | 123,791.35 | - | 123,791.35 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | BOMBA DE ACHIQUE DE 6" | P | HR. | 8.00 | 8.00 | - | 6,886.00 | 55,088.00 | - | 55,088.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 7.00 | EMPALME A TUBERÍA 30" HDS | P | P.A. | 1.00 | 1.00 | - | 65,348.07 | 65,348.07 | - | 65,348.07 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 8.00 | LIMPIEZA FINAL | P | P.A. | 1.00 | 1.00 | - | 12,000.00 | 12,000.00 | - | 12,000.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-10.1.2 | EMPALME TRAMO TERRESTRE CON EL EMISARIO |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 | MOVIMIENTO DE TIERRA |  |  |  |  |  |  |  |  |  |  |
| 1.01 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO | P | M³ | 112.00 | 192.00 | - 80.00 | 131.44 | 25,236.48 | - 10,515.20 | 14,721.28 | -41.67% |
| 1.02 | ARENA PARA ASIENTO TUBERÍAS | P | M³ | 0.56 | 3.00 | - 2.44 | 1,318.05 | 3,954.15 | - 3,216.04 | 738.11 | -81.33% |
| 1.03 | RELLENO COMPACTADO CON MATERIAL IN SITU | NR | M³ | - | 175.78 | - 175.78 | 122.33 | 21,503.26 | - 21,503.26 | - | -100.00% |
| 1.03.1 | RELLENO COMPACTADO MAT. DE PRÉSTAMO | N | M³ | 80.04 | - | 80.04 | 544.83 | - | 43,608.46 | 43,608.46 | 100.00% |
| 1.04 | SUMINISTRO MATERIAL DE RELLENO GRANULAR | NR | M³ | - | 175.78 | - 175.78 | 1,200.00 | 210,931.20 | - 210,931.20 | - | -100.00% |
| 1.05 | BOTE DE SOBRANTES | P | M³ | 145.60 | 249.60 | - 104.00 | 195.88 | 48,890.40 | - 20,371.00 | 28,519.40 | -41.67% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | JUNTA REDUCTORA DE 1 M DE DIÁMETRO TIPO DRESSER | P | UD. | 1.00 | 1.00 | - | 95,000.00 | 95,000.00 | - | 95,000.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | MANO DE OBRA PLOMERÍA | NR | P.A. | - | 1.00 | - 1.00 | 75,000.00 | 75,000.00 | - 75,000.00 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | REGISTRO DE 2.20 x 2.2 x 2.0 | NR | UD. | - | 1.00 | - 1.00 | 86,155.85 | 86,155.85 | - 86,155.85 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | ACHIQUE CON BOMBA DE 6" | P | DÍA | 6.00 | 6.00 | - | 6,886.00 | 41,316.00 | - | 41,316.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 10.00 | COSTOS MANO DE OBRA ENSAMBLE PANEL, PROGRAMACIÓN Y PUESTA EN FUNCIONAMIENTO DEL PANEL PARA CUATRO BOMBAS SUMERGIBLES DE AGUAS RESIDUALES | P | P.A. | 1.00 | 1.00 | - | 48,248.79 | 48,248.79 | - | 48,248.79 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-10-1-1 | DUCTO DE DESBORDE EVENTUALES |  |  |  |  |  |  |  |  |  |  |
| 1.00 | TRABAJOS PRELIMINARES |  |  |  |  |  |  |  |  |  |  |
| 1.01 | REPLANTEO Y CONTROL TOPOGRÁFICO | P | M | 219.00 | 250.00 | - 31.00 | 135.00 | 33,750.00 | - 4,185.00 | 29,565.00 | -12.40% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTOS DE TIERRAS |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO | P | M³ | 394.20 | 470.00 | - 75.80 | 131.44 | 61,776.80 | - 9,963.15 | 51,813.65 | -16.13% |
| 2.02 | ASIENTO DE GRAVA | P | M³ | 39.42 | 50.00 | - 10.58 | 1,242.50 | 62,125.00 | - 13,145.65 | 48,979.35 | -21.16% |
| 2.03 | RELLENO COMPACTADO CON MATERIAL DE MINA 100% | P | M³ | 383.50 | 383.50 | - | 544.83 | 208,942.31 | - | 208,942.31 | 0.00% |
| 2.04 | BOTE DE SOBRANTES | P | M³ | 13.91 | 112.45 | - 98.54 | 195.88 | 22,026.14 | - 19,301.52 | 2,724.62 | -87.63% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | SUMINISTRO DE TUBERÍAS DE: |  |  |  |  |  |  |  |  |  |  |
| 3.01 | Ø 16" PVC - SDR 32.5 CON JUNTA DE GOMA | P | M | 219.00 | 250.00 | - 31.00 | 4,251.96 | 1,062,989.66 | - 131,810.72 | 931,178.94 | -12.40% |
| 3.02 | ACARREO INTERNO Ø 16" PVC - SDR 32.5 CON JUNTA DE GOMA | P | M | 219.00 | 250.00 | - 31.00 | 35.00 | 8,750.00 | - 1,085.00 | 7,665.00 | -12.40% |
| 3.03 | NIPLE ACERO Ø 16" \* 3' | N | M | 1.00 | - | 1.00 | 5,192.00 | - | 5,192.00 | 5,192.00 | 100.00% |
| 3.04 | CODO 45° Ø 16" | N | UD. | 2.00 | - | 2.00 | 11,000.00 | - | 21,999.99 | 21,999.99 | 100.00% |
| 3.05 | CODO 90° Ø 16" | N | UD. | 1.00 | - | 1.00 | 12,000.00 | - | 12,000.00 | 12,000.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | COLOCACIÓN DE TUBERÍAS DE: |  |  |  |  |  |  |  |  |  |  |
| 4.01 | Ø 16" PVC - SDR 32.5 CON JUNTA DE GOMA | P | M | 219.00 | 250.00 | - 31.00 | 130.09 | 32,522.10 | - 4,032.74 | 28,489.36 | -12.40% |
| 4.02 | NIPLE ACERO Ø 16" \* 3' | N | M | 1.00 | - | 1.00 | 1,038.40 | - | 1,038.40 | 1,038.40 | 100.00% |
| 4.03 | CODO 45° Ø 16" | N | UD. | 2.00 | - | 2.00 | 1,650.00 | - | 3,300.00 | 3,300.00 | 100.00% |
| 4.04 | CODO 90° Ø 16" | N | UD. | 1.00 | - | 1.00 | 1,800.00 | - | 1,800.00 | 1,800.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | REGISTRO DE VERTIDO |  |  |  |  |  |  |  |  |  |  |
| 5.01 | REGISTRO | P | UD. | 1.00 | 1.00 | - | 21,538.96 | 21,538.96 | - | 21,538.96 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-10-2 | CASETA CLORACIÓN: |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 | H.A. F´C = 240 KG/CM² |  |  |  |  |  |  |  |  |  |  |
| 1.01.1 | TRABAJOS PRELIMINARES |  |  |  |  |  |  |  |  |  |  |
| 1.01.2 | REPLANTEO Y CONTROL TOPOGRÁFICO | N | P.A. | 1.00 | - | 1.00 | 6,500.00 | - | 6,500.00 | 6,500.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTOS DE TIERRAS |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO | N | M³ | 27.52 | - | 27.52 | 131.44 | - | 3,617.23 | 3,617.23 | 100.00% |
| 2.02 | RELLENO GRANULAR | A | M³ | 26.54 | 22.00 | 4.54 | 544.83 | 11,986.33 | 2,473.54 | 14,459.88 | 20.64% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | HORMIGÓN ARMADO EN: |  |  |  |  |  |  |  |  |  |  |
| 3.01 | HORMIGÓN ARMADO, ZAPATA DE MUROS Y COLUMNAS | A | M³ | 9.41 | 3.50 | 5.91 | 4,824.00 | 16,884.00 | 28,500.19 | 45,384.19 | 168.80% |
| 3.02 | COLUMNAS 0.30 M X 0.20 M | N | M³ | 1.81 | - | 1.81 | 11,010.25 | - | 19,977.00 | 19,977.00 | 100.00% |
| 3.03 | VIGAS VT-1 0.20 M X 0.40 M | N | M³ | 1.26 | - | 1.26 | 11,943.45 | - | 15,096.52 | 15,096.52 | 100.00% |
| 3.04 | VIGAS VT-2 0.20 M X 0.40 M | N | M³ | 0.61 | - | 0.61 | 11,943.45 | - | 7,261.62 | 7,261.62 | 100.00% |
| 3.05 | LOSA DE TECHO E = 0.12 M | A | M³ | 2.66 | 2.48 | 0.18 | 10,256.27 | 25,435.55 | 1,846.13 | 27,281.68 | 7.26% |
| 3.06 | LOSA H.A EN PISO CON Ø 1/2" @ 0.15, E = 0.15 M | N | M³ | 3.92 | - | 3.92 | 12,580.30 | - | 49,289.62 | 49,289.62 | 100.00% |
| 3.07 | ACERO EN ZAPATA DE MURO Y COLUMNAS | P | QQ | 3.92 | 7.00 | - 3.08 | 2,787.75 | 19,514.25 | - 8,578.74 | 10,935.51 | -43.96% |
| 3.08 | ACERO EN COLUMNA | P | QQ | 6.67 | 53.34 | - 46.67 | 2,787.75 | 148,698.59 | - 130,109.39 | 18,589.20 | -87.50% |
| 3.09 | ACERO EN VIGA VT-1 | N | QQ | 2.96 | - | 2.96 | 2,787.75 | - | 8,251.74 | 8,251.74 | 100.00% |
| 3.10 | ACERO EN VIGA VT-2 | N | QQ | 2.54 | - | 2.54 | 2,787.75 | - | 7,080.89 | 7,080.89 | 100.00% |
| 3.11 | ACERO EN LOSA DE TECHO | A | QQ | 3.20 | 3.08 | 0.12 | 2,787.75 | 8,572.89 | 344.62 | 8,917.51 | 4.02% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | BLOCK EN : |  |  |  |  |  |  |  |  |  |  |
| 4.01 | BLOCK DE 6" SNP CON SERPENTINA Ø 3/8" @ 40 CM | N | M² | 16.10 | - | 16.10 | 972.23 | - | 15,656.79 | 15,656.79 | 100.00% |
| 4.02 | BLOCK DE 6" BNP CON SERPENTINA Ø 3/8" @ 40 CM | N | M² | 13.32 | - | 13.32 | 1,073.04 | - | 14,292.89 | 14,292.89 | 100.00% |
| 4.03 | BLOCK DE 8" SNP CON SERPENTINA Ø 3/8" @ 40 CM | N | M² | 6.24 | - | 6.24 | 1,013.63 | - | 6,327.09 | 6,327.09 | 100.00% |
| 4.04 | BLOCK DE 8" BNP CON SERPENTINA Ø 3/8" @ 40 CM | N | M² | 28.49 | - | 28.49 | 1,082.58 | - | 30,842.70 | 30,842.70 | 100.00% |
| 4.05 | BLOQUES TIPO VENTANA | P | M² | 17.60 | 27.50 | - 9.90 | 1,174.79 | 32,306.83 | - 11,630.46 | 20,676.37 | -36.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | TERMINACIONES: |  |  |  |  |  |  |  |  |  |  |
| 5.01 | PAÑETE EN MUROS | P | M² | 66.29 | 90.00 | - 23.71 | 313.08 | 28,177.09 | - 7,422.47 | 20,754.62 | -26.34% |
| 5.02 | PAÑETE EN LOSA DE TECHO | N | M² | 26.47 | - | 26.47 | 313.08 | - | 8,287.20 | 8,287.20 | 100.00% |
| 5.03 | PAÑETE EN ZABALETA | N | M² | 6.93 | - | 6.93 | 313.08 | - | 2,169.64 | 2,169.64 | 100.00% |
| 5.04 | FRAGUACHE EN LOSA DE TECHO | N | M² | 26.47 | - | 26.47 | 59.40 | - | 1,572.27 | 1,572.27 | 100.00% |
| 5.05 | FRAGUACHE EN MUROS | N | M² | 66.29 | - | 66.29 | 59.40 | - | 3,937.63 | 3,937.63 | 100.00% |
| 5.06 | FINO DE LOSA | N | M² | 26.47 | - | 26.47 | 512.33 | - | 13,561.40 | 13,561.40 | 100.00% |
| 5.07 | ZABALETA | A | M | 24.65 | 20.00 | 4.65 | 79.02 | 1,580.33 | 367.43 | 1,947.75 | 23.25% |
| 5.08 | CANTOS | N | M | 103.00 | - | 103.00 | 86.93 | - | 8,953.64 | 8,953.64 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | OTROS: |  |  |  |  |  |  |  |  |  |  |
| 6.01 | APOYO CILINDROS | NR | UD. | - | 1.00 | - 1.00 | 8,500.00 | 8,500.00 | - 8,500.00 | - | -100.00% |
| 6.02 | APOYO CILINDROS EN MUROS DE HORMIGÓN ARMADO | N | UD. | 1.00 | - | 1.00 | 49,344.89 | - | 49,344.89 | 49,344.89 | 100.00% |
| 6.02 | PLANCHUELA 4" X 1/2" ANCLADA EN TECHO | P | UD. | 1.00 | 1.00 | - | 3,800.00 | 3,800.00 | - | 3,800.00 | 0.00% |
| 6.03 | VIGA 6" X 3" X 1/2" ACERO, SOLDADA TECHO DE 20' | P | UD. | 1.00 | 1.00 | - | 24,800.00 | 24,800.00 | - | 24,800.00 | 0.00% |
| 6.04 | CARRO DESLIZANTE INCLUYENDO DIFERENCIAL Y CADENA | P | UD. | 1.00 | 1.00 | - | 385,000.00 | 385,000.00 | - | 385,000.00 | 0.00% |
| 6.05 | EQUIPO DE CLORACIÓN | NR | UD. | - | 2.00 | - 2.00 | 202,300.00 | 404,600.00 | - 404,600.00 | - | -100.00% |
| 6.05.1 | CILINDROS CONTENEDOR DE 2,000 LIBRAS DE CLORO, INCLUYE: PINTURA GRIS, TUBERÍAS DE EDUCCIÓN, VÁLVULAS Y FUSIBLES Y PROTECCIÓN TIPO CAMPANA | N | UD. | 2.00 | - | 2.00 | 281,253.00 | - | 562,506.00 | 562,506.00 | 100.00% |
| 6.05.2 | MANIFOLD PARA CONEXIÓN DE TRES CILINDROS DE 2,000 LB. EL MANIFOLD INCLUYE: TRES (3) FX-06 CONECTORES FLEXIBLES, TRES (3) VÁLVULAS DE IVH-100-500 DE AISLAMIENTO, DRIPLEG Y DOS (2) SOPORTES DE MONTAJE EN PARED. | N | UD. | 1.00 | - | 1.00 | 128,089.00 | - | 128,089.00 | 128,089.00 | 100.00% |
| 6.05.3 | REGULADOR DE VACÍO PARA SER MONTADO EN MANIFOLD, CON CAPACIDAD DE 500 LIBRAS POR DÍA, SIN VÁLVULA DE DOSIFICACIÓN. | N | UD. | 1.00 | - | 1.00 | 65,313.00 | - | 65,313.00 | 65,313.00 | 100.00% |
| 6.05.4 | EYECTOR CON CAPACIDAD DE DOSIFICACIÓN DE 250 LIBRAS POR DÍA. MANEJO DE PRESIONES DE 0-140 PSI. CHEQUE INTEGRADO. | N | UD. | 2.00 | - | 2.00 | 28,615.00 | - | 57,230.00 | 57,230.00 | 100.00% |
| 6.05.5 | PANEL DE MEDICIÓN REMOTA, DE 3", CAPACIDAD DE 250 LIBRAS POR DÍA, CON VÁLVULA DE DOSIFICACIÓN Y TUBO DE MEDICIÓN DE FLUJO. | N | UD. | 2.00 | - | 2.00 | 25,942.30 | - | 51,884.60 | 51,884.60 | 100.00% |
| 6.05.6 | VÁLVULA REDUCTORA DE PRESIÓN PARA MANEJO DE CLORO GAS, PARA SER INSTALADA EN MANIFOLD. | N | UD. | 1.00 | - | 1.00 | 83,680.88 | - | 83,680.88 | 83,680.88 | 100.00% |
| 6.05.7 | DETECTOR DE FUGAS PARA CLORO GAS CON ALARMA Y CONEXIÓN HASTA 16 SENSORES PARA DETECCIÓN DE 0-10 PPM, INCLUYE CABLE ESTÁNDAR DE 25 PIES (8 M) DE DESCONEXIÓN RÁPIDA Y DOS SENSORES. | N | UD. | 1.00 | - | 1.00 | 108,560.00 | - | 108,560.00 | 108,560.00 | 100.00% |
| 6.06 | TUBERÍAS COBRE 3/8" Y VÁLVULAS CONEXIÓN CILINDROS | NR | UD. | - | 1.00 | - 1.00 | 3,900.00 | 3,900.00 | - 3,900.00 | - | -100.00% |
| 6.06.1 | TUBERÍAS COBRE Ø 3/4" CONEXIÓN CÁMARAS DE ENTRADA Y SALIDA PLANTA PRETRATAMIENTO | N | ML | 107.70 | - | 107.70 | 297.99 | - | 32,093.31 | 32,093.31 | 100.00% |
| 6.07 | PUERTA DE ENTRADA EN HIERRO | P | UD. | 1.00 | 1.00 | - | 11,500.00 | 11,500.00 | - | 11,500.00 | 0.00% |
| 6.08 | ESCALONES ENTRADA | P | UD. | 2.00 | 2.00 | - | 795.00 | 1,590.00 | - | 1,590.00 | 0.00% |
| 6.09 | INSTALACIÓN ELÉCTRICA E ILUMINACIÓN INTERIOR | P | P.A | 1.00 | 1.00 | - | 9,450.00 | 9,450.00 | - | 9,450.00 | 0.00% |
| 6.09.1 | INSTALACIÓN SISTEMA DE CLORACIÓN | N | P.A | 1.00 | - | 1.00 | 54,404.17 | - | 54,404.17 | 54,404.17 | 100.00% |
| 6.10 | CANALETA DESCARGA AGUAS TRATADAS (INCL. EXC.) | NR | M | - | 150.00 | - 150.00 | 1,350.00 | 202,500.00 | - 202,500.00 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 7.00 | PINTURA: |  |  |  |  |  |  |  |  |  |  |
| 7.01 | EN MUROS | N | M² | 66.29 | - | 66.29 | 130.54 | - | 8,653.92 | 8,653.92 | 100.00% |
| 7.02 | EN TECHOS | N | M² | 26.47 | - | 26.47 | 130.54 | - | 3,455.46 | 3,455.46 | 100.00% |
| 7.03 | IMPERMEABILIZANTE DE TECHOS | N | M² | 26.47 | - | 26.47 | 272.20 | - | 7,205.00 | 7,205.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.03 | COLUMNAS 0.15 M X 0.15 M | NR | UD. | - | 7.00 | - 7.00 | 20,535.11 | 143,745.79 | - 143,745.79 | - | -100.00% |
| 1.04 | VIGAS 0.15 M X 0.15 M | NR | UD. | - | 3.00 | - 3.00 | 29,512.89 | 88,538.67 | - 88,538.67 | - | -100.00% |
| 1.08 | ACERO EN VIGA | NR | QQ | - | 11.58 | - 11.58 | 2,787.75 | 32,282.15 | - 32,282.15 | - | -100.00% |
| 1.10 | MUROS BLOQUES DE 8" | NR | M² | - | 4.71 | - 4.71 | 1,013.63 | 4,774.21 | - 4,774.21 | - | -100.00% |
| 1.11 | MUROS BLOQUES DE 6" | NR | M² | - | 4.80 | - 4.80 | 822.35 | 3,947.28 | - 3,947.28 | - | -100.00% |
| 1.13 | LOSA H.A EN PISO | NR | M³ | - | 1.89 | - 1.89 | 10,873.28 | 20,550.49 | - 20,550.49 | - | -100.00% |
| 1.14 | LOSA H.S EN PISO | NR | M³ | - | 3.00 | - 3.00 | 6,988.29 | 20,964.86 | - 20,964.86 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.12 | ANTEPECHO | NR | M | - | 20.00 | - 20.00 | 850.00 | 17,000.00 | - 17,000.00 | - | -100.00% |
| 1.24 | FINO TECHO | NR | M² | - | 19.00 | - 19.00 | 488.70 | 9,285.22 | - 9,285.22 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-10-4 | SANEAMIENTO LAGUNAS EXISTENTES |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 | TRABAJOS PRELIMINARES: |  |  |  |  |  |  |  |  |  |  |
| 1.01 | LIMPIEZA DEL ÁREA | P | P.A. | 1.00 | 1.00 | - | 18,500.00 | 18,500.00 | - | 18,500.00 | 0.00% |
| 1.02 | ACHIQUE CON BOMBA DE 4" (42,000.00 M³) | P | HORA | 390.00 | 1,170.00 | - 780.00 | 271.86 | 318,075.47 | - 212,050.31 | 106,025.16 | -66.67% |
| 1.03 | REPARACIÓN VÁLVULAS DE ENTRADA LAGUNA | P | P.A. | 1.00 | 1.00 | - | 104,736.79 | 104,736.79 | - | 104,736.79 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTO DE TIERRA: |  |  |  |  |  |  |  |  |  |  |
| 2.01 | RELLENO COMPACTADO CON MATERIAL IN SITU | P | M³ | 7,193.71 | 43,162.25 | - 35,968.54 | 21.88 | 944,390.03 | - 786,991.66 | 157,398.37 | -83.33% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | DEMOLICIÓN DE ESTRUCTURAS |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.01 | ESTRUCTURAS A DEMOLER EN LAS INMEDIACIONES DE LA PLANTA DE TRATAMIENTO DE AGUAS RESIDUALES PUERTO PLATA |  |  |  |  |  |  |  |  |  |  |
| 3.02 | DEMOLICIÓN ESTRUCTURA DE REBOSE | P | M³ | 29.12 | 359.91 | - 330.79 | 378.03 | 136,056.78 | - 125,048.54 | 11,008.23 | -91.91% |
| 3.03 | DEMOLICIÓN ESTRUCTURA ENTRADA DE AGUA | P | M³ | 24.74 | 24.74 | - | 378.03 | 9,352.46 | - | 9,352.46 | 0.00% |
| 3.04 | DEMOLICIÓN DE UNA CASA EXISTENTE | NR | M³ | - | 13.68 | - 13.68 | 378.03 | 5,171.45 | - 5,171.45 | - | -100.00% |
| 3.05 | DEMOLICIÓN CASA DE PLANTA | P | M³ | 10.27 | 10.27 | - | 378.03 | 3,882.37 | - | 3,882.37 | 0.00% |
| 3.06 | DEMOLICIÓN DE REGISTROS | P | M³ | 9.36 | 9.36 | - | 378.03 | 3,538.36 | - | 3,538.36 | 0.00% |
| 3.07 | DEMOLICIÓN EST. SALIDA DE AGUA (INC. CASETA Y CANAL) | P | M³ | 16.00 | 99.47 | - 83.47 | 378.03 | 37,602.64 | - 31,554.16 | 6,048.48 | -83.91% |
| 3.08 | BOTE DE MATERIAL PRODUCTO DE LA DEMOLICIÓN | P | M³ | 120.81 | 724.40 | - 603.59 | 195.88 | 141,892.24 | - 118,228.29 | 23,663.95 | -83.32% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-10 |  |  |  |  |  |  | 40,799,617.55 | 1,463,911.46 | 42,263,529.01 | 3.59% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-11 | CASA DE OPERACIÓN Y COMANDO |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES: |  |  |  |  |  |  |  |  |  |  |
| 1.01 | LIMPIEZA DEL ÁREA, INCLUYE DESTRONQUE DE ARBOLES | P | P.A. | 1.00 | 1.00 | - | 18,500.00 | 18,500.00 | - | 18,500.00 | 0.00% |
| 1.02 | BOTE DE MATERIALES, PRODUCTO DE LA LIMPIEZA | P | P.A. | 1.00 | 1.00 | - | 9,500.00 | 9,500.00 | - | 9,500.00 | 0.00% |
| 1.03 | REPLANTEO | P | P.A. | 1.00 | 1.00 | - | 5,000.00 | 5,000.00 | - | 5,000.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | MOVIMIENTO DE TIERRA: |  |  |  |  |  |  |  |  |  |  |
| 2.01 | EXCAVACIÓN EN MATERIAL NO CLASIFICADO | P | M³ | 112.39 | 126.26 | - 13.88 | 131.44 | 16,595.94 | - 1,823.73 | 14,772.21 | -10.99% |
| 2.02 | SUMINISTRO MATERIAL DE RELLENO GRANULAR | P | M³ | 22.48 | 25.25 | - 2.78 | 1,200.00 | 30,303.00 | - 3,330.00 | 26,973.00 | -10.99% |
| 2.03 | RELLENO COMPACTADO MAT. DE PRÉSTAMO | P | M³ | 89.91 | 101.01 | - 11.10 | 544.83 | 55,033.28 | - 6,047.61 | 48,985.67 | -10.99% |
| 2.04 | BOTE DE SOBRANTES | P | M³ | 146.10 | 164.14 | - 18.04 | 195.88 | 32,151.17 | - 3,533.10 | 28,618.07 | -10.99% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | HORMIGÓN ARMADO F´C = 240 KG/CM² EN: |  |  |  |  |  |  |  |  |  |  |
| 3.01 | PLATEA DE FUNDACIÓN 0.10 M | P | M³ | 28.38 | 29.11 | - 0.73 | 8,996.39 | 261,884.91 | - 6,540.38 | 255,344.54 | -2.50% |
| 3.02 | DINTELES 0.15 M X 0.20 M | A | M³ | 2.06 | 0.78 | 1.28 | 18,711.50 | 14,594.97 | 23,941.37 | 38,536.34 | 164.04% |
| 3.03 | LOSA DE TECHO 0.12 M | P | M³ | 5.52 | 6.12 | - 0.60 | 10,256.27 | 62,768.38 | - 6,190.68 | 56,577.69 | -9.86% |
| 3.04 | ACERO EN PLATEA DE FUNDACIÓN | P | QQ | 36.80 | 58.22 | - 21.42 | 2,787.75 | 162,302.81 | - 59,699.90 | 102,602.90 | -36.78% |
| 3.05 | ACERO EN DINTELES | A | QQ | 1.52 | 1.49 | 0.03 | 2,787.75 | 4,153.19 | 94.08 | 4,247.27 | 2.27% |
| 3.06 | ACERO EN LOSA DE TECHO | P | QQ | 4.83 | 7.59 | - 2.76 | 2,787.75 | 21,155.68 | - 7,691.00 | 13,464.68 | -36.35% |
| 3.07 | COLUMNAS DE 0.15 X 0.30 (6 RED. DE 1/2" EST. 3/8" A 0.20 M) | P | M³ | 1.74 | 2.70 | - 0.96 | 29,779.57 | 80,404.84 | - 28,624.12 | 51,780.72 | -35.60% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | BLOCK EN : |  |  |  |  |  |  |  |  |  |  |
| 4.01 | BLOCK DE 8" EN MUROS | NR | M² | - | 156.25 | - 156.25 | 1,013.63 | 158,379.98 | - 158,379.98 | - | -100.00% |
| 4.02 | BLOCK DE 6" EN ANTEPECHO. | NR | M² | - | 7.78 | - 7.78 | 822.35 | 6,397.89 | - 6,397.89 | - | -100.00% |
| 4.03 | BLOCK DE 6" CON SERPENTINA Ø 3/8" @ 40 CM | N | M² | 125.40 | - | 125.40 | 972.23 | - | 121,915.70 | 121,915.70 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | TERMINACIONES: |  |  |  |  |  |  |  |  |  |  |
| 5.01 | PAÑETE EN MUROS EXTERIOR | P | M² | 224.40 | 253.88 | - 29.48 | 313.08 | 79,484.44 | - 9,230.81 | 70,253.62 | -11.61% |
| 5.02 | PAÑETE EN LOSA DE TECHO | P | M² | 45.97 | 51.04 | - 5.07 | 313.08 | 15,979.54 | - 1,587.31 | 14,392.23 | -9.93% |
| 5.03 | PAÑETE EN ZABALETA | A | M² | 26.40 | 16.38 | 10.02 | 313.08 | 5,128.23 | 3,137.05 | 8,265.28 | 61.17% |
| 5.04 | FRAGUACHE EN LOSA DE TECHO | P | M² | 45.97 | 51.04 | - 5.07 | 59.40 | 3,031.69 | - 301.15 | 2,730.54 | -9.93% |
| 5.05 | FRAGUACHE EN MUROS | P | M² | 250.80 | 253.88 | - 3.08 | 59.40 | 15,080.04 | - 183.18 | 14,896.86 | -1.21% |
| 5.06 | FINO DE LOSA | P | M² | 45.97 | 51.04 | - 5.07 | 512.33 | 26,149.38 | - 2,597.52 | 23,551.86 | -9.93% |
| 5.07 | ZABALETA | P | M | 32.13 | 33.12 | - 0.99 | 79.02 | 2,617.02 | - 78.23 | 2,538.80 | -2.99% |
| 5.08 | MOCHETAS | P | M² | 7.13 | 16.38 | - 9.26 | 313.08 | 5,128.23 | - 2,897.54 | 2,230.69 | -56.50% |
| 5.09 | CANTOS | P | M | 141.40 | 184.84 | - 43.44 | 86.93 | 16,067.88 | - 3,776.18 | 12,291.70 | -23.50% |
| 5.10 | REALIZACIÓN DE COLUMNAS REDONDAS ENTRADA | N | UD. | 2.00 | - | 2.00 | 2,500.00 | - | 5,000.00 | 5,000.00 | 100.00% |
| 5.11 | REALIZACIÓN ARCO ENTRADA | N | UD. | 1.00 | - | 1.00 | 1,500.00 | - | 1,500.00 | 1,500.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | PISOS : |  |  |  |  |  |  |  |  |  |  |
| 6.01 | PISO PORCELANATO | A | M² | 38.04 | 37.96 | 0.08 | 968.91 | 36,779.72 | 73.64 | 36,853.36 | 0.20% |
| 6.02 | CERÁMICA EN COCINA | A | M² | 1.53 | 1.19 | 0.34 | 784.32 | 933.34 | 262.75 | 1,196.08 | 28.15% |
| 6.03 | CERÁMICA EN BAÑO | A | M² | 16.65 | 16.47 | 0.18 | 784.32 | 12,917.68 | 143.53 | 13,061.21 | 1.11% |
| 6.04 | CERÁMICA EN PISO BAÑO | A | M² | 3.09 | 3.00 | 0.09 | 968.91 | 2,906.72 | 87.78 | 2,994.51 | 3.02% |
| 6.05 | ESCALONES GRANITO FONDO GRIS | P | M | 6.00 | 6.00 | - | 1,497.86 | 8,987.17 | - | 8,987.17 | 0.00% |
| 6.06 | CENEFAS EN VUELOS Y VENTANAS | N | M | 70.56 | - | 70.56 | 455.00 | - | 32,104.80 | 32,104.80 | 100.00% |
| 6.07 | ZOCALOS | N | M | 43.00 | - | 43.00 | 349.62 | - | 15,033.66 | 15,033.66 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 7.00 | PLOMERÍA: |  |  |  |  |  |  |  |  |  |  |
| 7.01 | INODORO BLANCO SENCILLO | P | UD. | 1.00 | 1.00 | - | 6,618.94 | 6,618.94 | - | 6,618.94 | 0.00% |
| 7.02 | LAVAMANOS BLANCO SENCILLO | P | UD. | 1.00 | 1.00 | - | 4,605.10 | 4,605.10 | - | 4,605.10 | 0.00% |
| 7.03 | FREGADERO DOBLE ACERO INOXIDABLE | P | UD. | 1.00 | 1.00 | - | 4,617.76 | 4,617.76 | - | 4,617.76 | 0.00% |
| 7.04 | LAVADERO GRANITO BLANCO DOBLE | P | UD. | 1.00 | 1.00 | - | 3,898.10 | 3,898.10 | - | 3,898.10 | 0.00% |
| 7.05 | DESAGÜE DE PISO Ø 2" | P | UD. | 1.00 | 1.00 | - | 719.47 | 719.47 | - | 719.47 | 0.00% |
| 7.06 | DESAGÜE DE TECHO Ø 2" | P | UD. | 2.00 | 2.00 | - | 195.63 | 391.26 | - | 391.26 | 0.00% |
| 7.07 | TRAMPA DE GRASA 1.00 M X 1.00 M X 1.00 M | P | UD. | 1.00 | 1.00 | - | 4,500.00 | 4,500.00 | - | 4,500.00 | 0.00% |
| 7.08 | REGISTRO DE INSPECCIÓN 0.60 M X 0.60 M X 0.60 M | P | UD. | 3.00 | 3.00 | - | 2,600.00 | 7,800.00 | - | 7,800.00 | 0.00% |
| 7.09 | LLAVE CHORRO EN LAVADERO | P | UD. | 1.00 | 1.00 | - | 500.00 | 500.00 | - | 500.00 | 0.00% |
| 7.10 | LLAVE CHORRO EN JARDINERA | P | UD. | 1.00 | 1.00 | - | 500.00 | 500.00 | - | 500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 8.00 | ELECTRICIDAD: |  |  |  |  |  |  |  |  |  |  |
| 8.01 | LUCES CENITALES | P | UD. | 8.00 | 8.00 | - | 929.26 | 7,434.08 | - | 7,434.08 | 0.00% |
| 8.02 | TOMA CORRIENTE 110 V. | P | UD. | 11.00 | 11.00 | - | 1,123.88 | 12,362.68 | - | 12,362.68 | 0.00% |
| 8.03 | TOMA CORRIENTE 220 V. | P | UD. | 1.00 | 1.00 | - | 1,269.05 | 1,269.05 | - | 1,269.05 | 0.00% |
| 8.04 | SALIDA DE TELÉFONO | P | UD. | 3.00 | 3.00 | - | 848.98 | 2,546.94 | - | 2,546.94 | 0.00% |
| 8.05 | REGISTRO ELÉCTRICO EMPOTRADO | P | UD. | 1.00 | 1.00 | - | 145.00 | 145.00 | - | 145.00 | 0.00% |
| 8.06 | CAJA DE BREAKER DE 8 CIRCUITOS | P | UD. | 1.00 | 1.00 | - | 2,800.25 | 2,800.25 | - | 2,800.25 | 0.00% |
| 8.07 | CAJA DE SEGURIDAD | P | UD. | 1.00 | 1.00 | - | 2,500.00 | 2,500.00 | - | 2,500.00 | 0.00% |
| 8.08 | INTERRUPTOR SENCILLO 15 AMP. | P | UD. | 2.00 | 2.00 | - | 1,093.42 | 2,186.84 | - | 2,186.84 | 0.00% |
| 8.09 | INTERRUPTOR DOBLE 15 AMP. | P | UD. | 3.00 | 3.00 | - | 1,210.23 | 3,630.69 | - | 3,630.69 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 9.00 | OTROS: |  |  |  |  |  |  |  |  |  |  |
| 9.01 | PUERTA DE CRISTAL Y ALUMINIO ENTR. PRINC. 2.10 M X 1.00 M | P | UD. | 1.00 | 1.00 | - | 15,700.00 | 15,700.00 | - | 15,700.00 | 0.00% |
| 9.02 | PUERTAS POLIMETÁLICA 0.90 M X 2.10 M | P | M² | 3.00 | 3.00 | - | 4,047.62 | 12,142.86 | - | 12,142.86 | 0.00% |
| 9.03 | PUERTA PLEGADIZA 0.90 M X 2.10 | P | M² | 1.89 | 1.89 | - | 4,500.00 | 8,505.00 | - | 8,505.00 | 0.00% |
| 9.04 | VENTANA CORREDIZA 1.40 X 1.02 M | P | M² | 1.43 | 1.43 | - | 2,964.50 | 4,233.31 | - | 4,233.31 | 0.00% |
| 9.05 | VENTANA CORREDIZA 2.10 X 1.02 M | P | M² | 2.14 | 2.14 | - | 2,964.50 | 6,349.96 | - | 6,349.96 | 0.00% |
| 9.06 | VENTANA CORREDIZA 2.80 X 1.02 M | P | M² | 2.86 | 2.86 | - | 2,964.50 | 8,466.61 | - | 8,466.61 | 0.00% |
| 9.07 | VENTANA ALUMINIO AA 0.70 M X .60 M | P | P² | 4.52 | 4.52 | - | 275.00 | 1,243.00 | - | 1,243.00 | 0.00% |
| 9.08 | GABINETES EN COCINA (3.20 M) | P | P.A. | 1.00 | 1.00 | - | 16,500.00 | 16,500.00 | - | 16,500.00 | 0.00% |
| 9.09 | MESETA EN MARMOLITE (2.35 M) | P | P.A. | 2.35 | 2.35 | - | 8,500.00 | 19,975.00 | - | 19,975.00 | 0.00% |
| 9.10 | BARANDA EN ENTRADA EN TUBO REDONDO DE 2" | P | M | 2.00 | 2.00 | - | 1,650.00 | 3,300.00 | - | 3,300.00 | 0.00% |
| 9.11 | PUERTA DOBLE EN TOLA 1.5 x 1.35 M. | N | P² | 21.79 | - | 21.79 | 405.11 | - | 8,827.35 | 8,827.35 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 10.00 | PINTURA: |  |  |  |  |  |  |  |  |  |  |
| 10.01 | EN MUROS | P | M² | 250.80 | 253.88 | - 3.08 | 130.54 | 33,142.13 | - 402.59 | 32,739.54 | -1.21% |
| 10.02 | EN TECHOS | P | M² | 41.13 | 51.04 | - 9.91 | 130.54 | 6,662.89 | - 1,294.12 | 5,368.77 | -19.42% |
| 10.03 | IMPERMEABILIZANTE DE TECHOS | A | M² | 60.78 | 51.04 | 9.74 | 272.20 | 13,892.83 | 2,650.25 | 16,543.09 | 19.08% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 12.00 | PANEL OPERADOR CASETA DE MONITOR Y CONTROL |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 12.01 | COSTOS MATERIALES PANEL COMPLETO CON LOS SIGUIENTES EQUIPOS A SUPLIR | NR | P.A. | - | 1.00 | - 1.00 | 255,987.50 | 255,987.50 | - 255,987.50 | - | -100.00% |
| 12.02 | PANEL EN FIBRA DE VIDRIO 20" X 16" X 8" | NR | UD. | - | 1.00 | - 1.00 |  |  |  |  |  |
| 12.03 | PANEL | NR | UD. | - | 1.00 | - 1.00 |  |  |  |  |  |
| 12.04 | TRANSFORMADOR DE CONTROL DE 500 VA 480 V/120 V | NR | UD. | - | 1.00 | - 1.00 |  |  |  |  |  |
| 12.05 | POWER SUPPLY 24 VDC DE 5 AMP 120 W | NR | UD. | - | 1.00 | - 1.00 |  |  |  |  |  |
| 12.06 | SWITCH INDUSTRIAL ETHERNET DE 5 PUERTOS | NR | UD. | - | 1.00 | - 1.00 |  |  |  |  |  |
| 12.07 | BREAKER DE 2 POLOS 10 AMPERES DIN RAIL | NR | UD. | - | 1.00 | - 1.00 |  |  |  |  |  |
| 12.08 | BREAKER DE 1 POLOS 6 AMPERES DIN RAIL | NR | UD. | - | 1.00 | - 1.00 |  |  |  |  |  |
| 12.09 | ACCESORIOS DE ENSAMBLE DEL PANEL | NR | UD. | - | 1.00 | - 1.00 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 13.00 | COSTOS MANO DE OBRA ENSAMBLE PANEL, PROGRAMACIÓN Y PUESTA EN FUNCIONAMIENTO DEL PANEL PARA CUATRO BOMBAS SUMERGIBLES DE AGUAS RESIDUALES | NR | P.A. | - | 1.00 | - 1.00 | 122,000.00 | 122,000.00 | - 122,000.00 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-11 |  |  |  |  |  |  | 1,767,444.35 | - 473,822.57 | 1,293,621.78 | -26.81% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-12 | CASETA DE PLANTA ELÉCTRICA |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES |  |  |  |  |  |  |  |  |  |  |
| 1.01 | EXCAVACIÓN ZAPATA DE MURO 31.60 M X 1.00 M X 0.60 M | A | M³ | 19.68 | 18.96 | 0.72 | 221.25 | 4,194.90 | 159.30 | 4,354.20 | 3.80% |
| 1.02 | RELLENO COMPACTADO | A | M³ | 14.76 | 13.20 | 1.56 | 122.33 | 1,614.80 | 190.84 | 1,805.64 | 11.82% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | HORMIGÓN F´C = 210 HG/CM2 EN |  |  |  |  |  |  |  |  |  |  |
| 2.01 | LOSA 0.12 M | A | M² | 4.01 | 4.00 | 0.01 | 9,453.17 | 37,812.68 | 121.00 | 37,933.68 | 0.32% |
| 2.02 | ZAPATA DE MURO 31.60 M X .60 M X 0.30 M | P | M³ | 3.26 | 5.68 | - 2.42 | 4,824.00 | 27,400.33 | - 11,683.73 | 15,716.60 | -42.64% |
| 2.03 | ZAPATA DE COLUMNAS 0.80 M X 0.80 M X 0.40 M | P | M³ | 1.50 | 1.55 | - 0.05 | 4,824.00 | 7,477.20 | - 241.20 | 7,236.00 | -3.23% |
| 2.04 | COLUMNAS 3.45 M X 0.20 M 0.30 M | A | M³ | 1.45 | 1.25 | 0.20 | 10,715.67 | 13,394.59 | 2,164.57 | 15,559.15 | 16.16% |
| 2.05 | EN VIGA 5.40 M X .45 M X 0.25 M | P | M³ | 0.36 | 0.60 | - 0.24 | 9,761.78 | 5,857.07 | - 2,298.90 | 3,558.17 | -39.25% |
| 2.06 | VIGA DE AMARRE A NIVEL DE PISO Y NIVEL DE LOSA DE TECHO | P | M³ | 2.42 | 2.52 | - 0.10 | 18,711.50 | 47,152.99 | - 1,946.00 | 45,206.99 | -4.13% |
| 2.07 | DINTEL EN HUECOS DE VENTILACIÓN | A | M³ | 0.66 | 0.36 | 0.30 | 18,711.50 | 6,736.14 | 5,557.32 | 12,293.46 | 82.50% |
| 2.08 | HORMIGÓN CON MALLA ELECTRO SOLDADA EN PISO | P | M² | 27.20 | 28.00 | - 0.80 | 689.53 | 19,306.97 | - 551.63 | 18,755.34 | -2.86% |
| 2.09 | ACERA | NR | M² | - | 27.60 | - 27.60 | 611.47 | 16,876.45 | - 16,876.45 | - | -100.00% |
| 2.10 | ACERO EN LOSA | A | QQ | 5.20 | 4.67 | 0.53 | 2,787.75 | 13,009.50 | 1,475.12 | 14,484.62 | 11.34% |
| 2.11 | ACERO EN ZAPATA DE MURO | P | QQ | 1.99 | 7.21 | - 5.22 | 2,787.75 | 20,109.71 | - 14,557.22 | 5,552.49 | -72.39% |
| 2.12 | ACERO EN COLUMNAS | P | QQ | 4.58 | 10.64 | - 6.06 | 2,787.75 | 29,665.87 | - 16,891.59 | 12,774.28 | -56.94% |
| 2.13 | ACERO EN VIGA | P | QQ | 1.51 | 3.43 | - 1.92 | 2,787.75 | 9,561.64 | - 5,346.12 | 4,215.52 | -55.91% |
| 2.14 | ACERO EN VIGA DE AMARRE | P | QQ | 2.69 | 7.54 | - 4.85 | 2,787.75 | 21,019.64 | - 13,517.75 | 7,501.88 | -64.31% |
| 2.15 | ACERO EN DINTELES | P | QQ | 1.20 | 2.28 | - 1.08 | 2,787.75 | 6,356.34 | - 3,015.48 | 3,340.86 | -47.44% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | BLOQUES DE 8" EN |  |  |  |  |  |  |  |  |  |  |
| 3.01 | CASA DE PLANTA BNP. | P | M² | 24.16 | 25.28 | - 1.12 | 1,013.63 | 25,624.61 | - 1,135.27 | 24,489.35 | -4.43% |
| 3.02 | CASA DE PLANTA SNP. | A | M² | 84.82 | 68.83 | 15.99 | 1,013.63 | 69,768.28 | 16,207.97 | 85,976.25 | 23.23% |
| 3.03 | EN ANTE PECHO | A | M² | 4.56 | 3.36 | 1.20 | 1,013.63 | 3,405.80 | 1,216.36 | 4,622.16 | 35.71% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | PAÑETES EN |  |  |  |  |  |  |  |  |  |  |
| 4.01 | FRAGUACHE EN MUROS | A | M² | 178.76 | 162.86 | 15.90 | 59.40 | 9,673.61 | 944.43 | 10,618.04 | 9.76% |
| 4.02 | FRAGUACHE EN LOSA DE TECHO | A | M² | 27.20 | 26.52 | 0.68 | 59.40 | 1,575.24 | 40.39 | 1,615.63 | 2.56% |
| 4.03 | MUROS | A | M² | 178.76 | 162.86 | 15.90 | 313.08 | 50,988.01 | 4,977.95 | 55,965.96 | 9.76% |
| 4.04 | LOSA DE TECHO | A | M² | 27.20 | 26.52 | 0.68 | 313.08 | 8,302.85 | 212.89 | 8,515.74 | 2.56% |
| 4.05 | FINO DE LOSA | P | M² | 27.20 | 32.56 | - 5.36 | 488.70 | 15,911.94 | - 2,619.41 | 13,292.53 | -16.46% |
| 4.06 | ZABALETA | A | M² | 32.13 | 20.40 | 11.73 | 79.02 | 1,611.93 | 926.86 | 2,538.80 | 57.50% |
| 4.07 | CANTOS | A | ML | 87.30 | 86.98 | 0.32 | 86.93 | 7,561.05 | 27.82 | 7,588.86 | 0.37% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | ELECTRICIDAD |  |  |  |  |  |  |  |  |  |  |
| 5.01 | LUCES CENITALES | P | UD. | 5.00 | 5.00 | - | 929.26 | 4,646.30 | - | 4,646.30 | 0.00% |
| 5.02 | TOMA CORRIENTE | A | UD. | 5.00 | 4.00 | 1.00 | 1,123.88 | 4,495.52 | 1,123.88 | 5,619.40 | 25.00% |
| 5.03 | INTERRUPTOR DOBLE | A | UD. | 2.00 | 1.00 | 1.00 | 1,210.23 | 1,210.23 | 1,210.23 | 2,420.46 | 100.00% |
| 5.04 | INTERRUPTOR TRIPLE | A | UD. | 2.00 | 1.00 | 1.00 | 1,446.98 | 1,446.98 | 1,446.98 | 2,893.96 | 100.00% |
| 5.05 | REGISTRO ELÉCTRICO .80 M X .80 M EN BLOCK DE 6" | P | UD. | 1.00 | 2.00 | - 1.00 | 2,600.00 | 5,200.00 | - 2,600.00 | 2,600.00 | -50.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | VARIOS |  |  |  |  |  |  |  |  |  |  |
| 6.01 | PUERTA EN TOLA 4.00 M X 2.30 H | P | UD. | 1.00 | 1.00 | - | 25,350.00 | 25,350.00 | - | 25,350.00 | 0.00% |
| 6.02 | VENTANILLA PARA VENTILACIÓN GENERADOR ELÉCTRICO 0.70M X 1.00 M | P | UD. | 4.00 | 4.00 | - | 3,950.00 | 15,800.00 | - | 15,800.00 | 0.00% |
| 6.03 | VENTANILLA PARA VENTILACIÓN GENERADOR ELÉCTRICO 0.70M X 2.10 M | P | UD. | 1.00 | 1.00 | - | 9,100.00 | 9,100.00 | - | 9,100.00 | 0.00% |
| 6.04 | DESAGÜE DE TECHO | P | ML | 6.00 | 6.00 | - | 217.03 | 1,302.18 | - | 1,302.18 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 7.00 | PINTURA |  |  |  |  |  |  |  |  |  |  |
| 7.01 | ACRÍLICA EN MUROS | P | M² | 75.00 | 162.86 | - 87.86 | 130.54 | 21,260.15 | - 11,469.46 | 9,790.69 | -53.95% |
| 7.02 | ACRÍLICA EN TECHOS | P | M² | 15.00 | 26.52 | - 11.52 | 130.54 | 3,461.99 | - 1,503.85 | 1,958.14 | -43.44% |
| 7.03 | IMPERMEABILIZANTE EN TECHO | P | M² | 26.52 | 26.52 | - | 272.20 | 7,218.61 | - | 7,218.61 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-12-1 | CISTERNA |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES |  |  |  |  |  |  |  |  |  |  |
| 1.01 | EXCAVACIÓN 3.00 X 3.50 X 2.80 | A | M³ | 62.50 | 44.00 | 18.50 | 221.25 | 9,735.00 | 4,093.13 | 13,828.13 | 42.05% |
| 1.02 | RELLENO DE REPOSICIÓN | A | M³ | 40.45 | 14.60 | 25.85 | 122.33 | 1,786.07 | 3,162.32 | 4,948.38 | 177.05% |
| 1.03 | BOTE DE SOBRANTES | A | M³ | 28.67 | 25.02 | 3.65 | 195.88 | 4,900.79 | 713.96 | 5,614.76 | 14.57% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | HORMIGÓN F´C = 210 HG/CM² EN |  |  |  |  |  |  |  |  |  |  |
| 2.01 | LOSA SUPERIOR 3.00 X 3.50 X 0.12 | P | M³ | 1.26 | 1.26 | - | 9,453.17 | 11,910.99 | - | 11,910.99 | 0.00% |
| 2.02 | LOSA DE FONDO 3.00 X 3.50 X 0.15 | p | M³ | 1.57 | 1.57 | - | 4,824.00 | 7,573.68 | - | 7,573.68 | 0.00% |
| 2.03 | VIGA DE AMARRE A NIVEL DE LOSA 0.20 X 0.20 X 13.00 | P | M³ | 0.52 | 0.52 | - | 18,711.50 | 9,729.98 | - | 9,729.98 | 0.00% |
| 2.04 | MUROS E = 0.20 M, ACERO @ 0.20 M A.D. | P | M³ | 5.46 | 6.50 | - 1.04 | 7,500.50 | 48,753.27 | - 7,800.52 | 40,952.74 | -16.00% |
| 2.05 | ACERO EN LOSA | P | QQ | 1.44 | 1.55 | - 0.11 | 2,787.75 | 4,321.01 | - 315.65 | 4,005.36 | -7.31% |
| 2.06 | ACERO EN LOSA FONDO | P | QQ | 2.75 | 3.00 | - 0.25 | 2,787.75 | 8,363.25 | - 689.46 | 7,673.79 | -8.24% |
| 2.07 | ACERO EN VIGA DE AMARRE | P | QQ | 1.15 | 1.60 | - 0.45 | 2,787.75 | 4,460.40 | - 1,242.36 | 3,218.04 | -27.85% |
| 2.08 | ACERO EN MUROS | P | QQ | 3.18 | 19.50 | - 16.32 | 2,787.75 | 54,361.13 | - 45,492.20 | 8,868.92 | -83.69% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | BLOQUES |  |  |  |  |  |  |  |  |  |  |
| 3.01 | DE 6" EN HUECO TAPA CISTERNA | P | M² | 0.64 | 1.00 | - 0.36 | 822.35 | 822.35 | - 296.05 | 526.30 | -36.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | PAÑETES EN |  |  |  |  |  |  |  |  |  |  |
| 4.01 | FRAGUACHE EN MUROS Y LOSA DE TECHO | P | M² | 37.80 | 43.00 | - 5.20 | 59.40 | 2,554.13 | - 308.87 | 2,245.26 | -12.09% |
| 4.02 | PAÑETE PULIDO EN MUROS Y LOSA DE PISO | P | M² | 37.80 | 43.00 | - 5.20 | 313.08 | 13,462.39 | - 1,628.01 | 11,834.38 | -12.09% |
| 4.03 | FINO LOSA SUPERIOR | P | M² | 10.50 | 10.50 | - | 488.70 | 5,131.31 | - | 5,131.31 | 0.00% |
| 4.04 | ZABALETA | P | M | 13.00 | 13.00 | - | 79.02 | 1,027.21 | - | 1,027.21 | 0.00% |
| 4.05 | CANTOS | P | M | 3.20 | 3.20 | - | 86.93 | 278.17 | - | 278.17 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | PLOMERÍA |  |  |  |  |  |  |  |  |  |  |
| 5.01 | FLOTA PARA CISTERNA | P | UD. | 1.00 | 1.00 | - | 615.00 | 615.00 | - | 615.00 | 0.00% |
| 5.02 | VÁLVULA DE PASO | A | UD. | 2.00 | 1.00 | 1.00 | 425.00 | 425.00 | 425.00 | 850.00 | 100.00% |
| 5.03 | CHEQUE PARA CISTERNA | P | UD. | 1.00 | 1.00 | - | 775.00 | 775.00 | - | 775.00 | 0.00% |
| 5.04 | PIEZAS DE PLOMERÍA (TUBOS, CODOS Y ADAPTADORES PVC.) | P | PA | 1.00 | 1.00 | - | 9,500.00 | 9,500.00 | - | 9,500.00 | 0.00% |
| 5.05 | MANO DE OBRA PLOMERO | P | PA | 1.00 | 1.00 | - | 10,000.00 | 10,000.00 | - | 10,000.00 | 0.00% |
| 5.06 | BOMBA PARA CISTERNA 1.5 HP | P | UD. | 1.00 | 1.00 | - | 30,000.00 | 30,000.00 | - | 30,000.00 | 0.00% |
| 5.07 | TANQUE PRESURIZADO PARA CISTERNA | P | UD. | 1.00 | 1.00 | - | 18,500.00 | 18,500.00 | - | 18,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | VARIOS |  |  |  |  |  |  |  |  |  |  |
| 6.01 | TAPA PARA HUECO CISTERNA | P | UD. | 1.00 | 1.00 | - | 7,500.00 | 7,500.00 | - | 7,500.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-12-2 | CASA PARA BOMBA CISTERNA |  |  |  |  |  |  |  |  |  |  |
| 1.00 | PRELIMINARES |  |  |  |  |  |  |  |  |  |  |
| 1.01 | EXCAVACIÓN ZAPATA DE MURO 8.20 X 0.60 X 1.00 | NR | M³ | - | 4.92 | - 4.92 | 221.25 | 1,088.55 | - 1,088.55 | - | -100.00% |
| 1.02 | RELLENO DE REPOSICIÓN | NR | M³ | - | 2.46 | - 2.46 | 122.33 | 300.94 | - 300.94 | - | -100.00% |
| 1.03 | BOTE DE SOBRANTES | NR | M³ | - | 1.72 | - 1.72 | 195.88 | 337.30 | - 337.30 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | HORMIGÓN F´C = 210 HG/CM² EN |  |  |  |  |  |  |  |  |  |  |
| 2.01 | LOSA | NR | M³ | - | 0.55 | - 0.55 | 9,453.17 | 5,199.24 | - 5,199.24 | - | -100.00% |
| 2.02 | ZAPATA DE MURO | NR | M³ | - | 1.25 | - 1.25 | 4,824.00 | 6,030.00 | - 6,030.00 | - | -100.00% |
| 2.03 | VIGA DE AMARRE A NIVEL DE PISO Y NIVEL DE LOSA DE TECHO | NR | M³ | - | 0.65 | - 0.65 | 18,711.50 | 12,162.48 | - 12,162.48 | - | -100.00% |
| 2.04 | DINTEL 1.30 X 0.20 X 0.30 | NR | M³ | - | 0.08 | - 0.08 | 18,711.50 | 1,459.50 | - 1,459.50 | - | -100.00% |
| 2.05 | ACERA | NR | M² | - | 12.20 | - 12.20 | 611.47 | 7,459.88 | - 7,459.88 | - | -100.00% |
| 2.06 | ACERO EN LOSA | NR | QQ | - | 0.50 | - 0.50 | 2,787.75 | 1,393.88 | - 1,393.88 | - | -100.00% |
| 2.07 | ACERO EN ZAPATA DE MURO | NR | QQ | - | 0.60 | - 0.60 | 2,787.75 | 1,672.65 | - 1,672.65 | - | -100.00% |
| 2.08 | ACERO EN VIGA DE AMARRE | NR | QQ | - | 0.47 | - 0.47 | 2,787.75 | 1,310.24 | - 1,310.24 | - | -100.00% |
| 2.09 | ACERO EN DINTELES | NR | QQ | - | 0.10 | - 0.10 | 2,787.75 | 278.78 | - 278.78 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 3.00 | BLOQUES |  |  |  |  |  |  |  |  |  |  |
| 3.01 | DE 8" EN MUROS | NR | M² | - | 22.26 | - 22.26 | 1,013.63 | 22,563.44 | - 22,563.44 | - | -100.00% |
| 3.02 | DE 6" EN GUARDERA | NR | M² | - | 1.64 | - 1.64 | 822.35 | 1,348.65 | - 1,348.65 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 4.00 | PAÑETES EN |  |  |  |  |  |  |  |  |  |  |
| 4.01 | FRAGUACHE EN MUROS | NR | M² | - | 40.40 | - 40.40 | 59.40 | 2,399.69 | - 2,399.69 | - | -100.00% |
| 4.02 | FRAGUACHE EN LOSA DE TECHO | NR | M² | - | 3.75 | - 3.75 | 59.40 | 222.74 | - 222.74 | - | -100.00% |
| 4.03 | MUROS | NR | M² | - | 3.75 | - 3.75 | 313.08 | 1,174.05 | - 1,174.05 | - | -100.00% |
| 4.04 | LOSA DE TECHO | NR | M² | - | 40.40 | - 40.40 | 313.08 | 12,648.38 | - 12,648.38 | - | -100.00% |
| 4.05 | FINO DE LOSA | NR | M² | - | 3.75 | - 3.75 | 488.70 | 1,832.61 | - 1,832.61 | - | -100.00% |
| 4.06 | ZABALETA | NR | M² | - | 8.20 | - 8.20 | 79.02 | 647.93 | - 647.93 | - | -100.00% |
| 4.07 | CANTOS | NR | M² | - | 33.70 | - 33.70 | 86.93 | 2,929.49 | - 2,929.49 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 5.00 | ELECTRICIDAD |  |  |  |  |  |  |  |  |  |  |
| 5.01 | LUCES CENITALES | NR | UD. | - | 2.00 | - 2.00 | 929.26 | 1,858.52 | - 1,858.52 | - | -100.00% |
| 5.02 | TOMA CORRIENTE | NR | UD. | - | 2.00 | - 2.00 | 1,123.88 | 2,247.76 | - 2,247.76 | - | -100.00% |
| 5.03 | INTERRUPTOR DOBLE | NR | UD. | - | 1.00 | - 1.00 | 1,269.05 | 1,269.05 | - 1,269.05 | - | -100.00% |
| 5.04 | CAJA DE BREACKER | NR | UD. | - | 1.00 | - 1.00 | 2,800.25 | 2,800.25 | - 2,800.25 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 6.00 | PLOMERÍA |  |  |  |  |  |  |  |  |  |  |
| 6.01 | DESAGÜE DE TECHO | NR | UD. | - | 1.00 | - 1.00 | 195.63 | 195.63 | - 195.63 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 7.00 | VARIOS |  |  |  |  |  |  |  |  |  |  |
| 7.01 | PUERTA | NR | UD. | - | 1.00 | - 1.00 | 5,555.00 | 5,555.00 | - 5,555.00 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 8.00 | PINTURA |  |  |  |  |  |  |  |  |  |  |
| 8.01 | ACRÍLICA EN MUROS | NR | M² | - | 40.40 | - 40.40 | 130.54 | 5,273.92 | - 5,273.92 | - | -100.00% |
| 8.02 | ACRÍLICA EN TECHOS | NR | M² | - | 3.75 | - 3.75 | 130.54 | 489.53 | - 489.53 | - | -100.00% |
| 8.03 | IMPERMEABILIZANTE EN TECHO | NR | M² | - | 3.75 | - 3.75 | 272.20 | 1,020.73 | - 1,020.73 | - | -100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-12-3 | ELECTRIFICACIÓN COMPLEJO DE PRETRATAMIENTO Y CONTROL |  |  |  |  |  |  |  |  |  |  |
| 1.00 | INSTALACIÓN ELÉCTRICA DE MEDIA TENSIÓN |  |  |  |  |  |  |  |  |  |  |
| 1.01.1 | SUMINISTRO TRANSFORMADOR DE 3\*75 KVA 7200/12400-240/480V, SOBRE POSTE | NR | UD. | - | 3.00 | - 3.00 | 106,741.62 | 320,224.86 | - 320,224.86 | - | -100.00% |
| 1.01.2 | SUMINISTRO TRANSFORMADOR DE 3\*25 KVA 7200/12400-240/480V, SOBRE POSTE | N | UD. | 3.00 | - | 3.00 | 35,000.00 | - | 105,000.00 | 105,000.00 | 100.00% |
| 1.02 | PERCHA PARA SOPORTE DE TRANSFORMADORES | P | UD. | 1.00 | 1.00 | - | 7,718.09 | 7,718.09 | - | 7,718.09 | 0.00% |
| 1.03 | POSTE DE 12 DE HAV 800DAN | P | UD. | 1.00 | 1.00 | - | 8,000.00 | 8,000.00 | - | 8,000.00 | 0.00% |
| 1.04 | USO DE GRÚA PARA SUBIR LOS TRANSFORMADORES | P | P.A. | 1.00 | 1.00 | - | 12,500.00 | 12,500.00 | - | 12,500.00 | 0.00% |
| 1.05.1 | ALAMBRE AAAC # 3/0 | NR | PIES | - | 400.00 | - 400.00 | 32.60 | 13,040.00 | - 13,040.00 | - | -100.00% |
| 1.05.2 | ALAMBRE AAAC # 2/0 | N | PIES | 1,300.00 | - | 1,300.00 | 32.60 | - | 42,380.00 | 42,380.00 | 100.00% |
| 1.06 | ESTRUCTURA SOPORTE CUT-OUT Y PARARRAYO | P | UD. | 1.00 | 1.00 | - | 2,266.41 | 2,266.41 | - | 2,266.41 | 0.00% |
| 1.07 | ESTRUCTURA TIPO MT-307 | NR | UD. | - | 3.00 | - 3.00 | 10,856.28 | 32,568.84 | - 32,568.84 | - | -100.00% |
| 1.07.1 | ESTRUCTURA TIPO MT-308 | N | UD. | 1.00 | - | 1.00 | 18,500.00 | - | 18,500.00 | 18,500.00 | 100.00% |
| 1.07.2 | ESTRUCTURA PO-110 | N | UD. | 1.00 | - | 1.00 | 1,600.00 | - | 1,600.00 | 1,600.00 | 100.00% |
| 1.07.3 | ESTRUCTURA PR-101 | N | UD. | 1.00 | - | 1.00 | 7,800.00 | - | 7,800.00 | 7,800.00 | 100.00% |
| 1.07.4 | ESTRUCTURA HA-106 | N | UD. | 1.00 | - | 1.00 | 5,600.00 | - | 5,600.00 | 5,600.00 | 100.00% |
| 1.07.5 | ESTRUCTURA TIPO MT-301 | N | UD. | 2.00 | - | 2.00 | 7,000.00 | - | 14,000.00 | 14,000.00 | 100.00% |
| 1.07.6 | ESTRUCTURA TIPO 2F3-MT | N | UD. | 2.00 | - | 2.00 | 1,750.00 | - | 3,500.00 | 3,500.00 | 100.00% |
| 1.07.7 | ESTRUCTURA TIPO 2EA-MT | N | UD. | 2.00 | - | 2.00 | 2,500.00 | - | 5,000.00 | 5,000.00 | 100.00% |
| 1.07.8 | ESTRUCTURA PR-101 | N | UD. | 1.00 | - | 1.00 | 8,000.00 | - | 8,000.00 | 8,000.00 | 100.00% |
| 1.08 | MANO DE OBRA | A | P.A. | 2.00 | 1.00 | 1.00 | 35,000.00 | 35,000.00 | 35,000.00 | 70,000.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | SISTEMA DE EMERGENCIA |  |  |  |  |  |  |  |  |  |  |
| 2.01.1 | GENERADOR DE EMERGENCIA DE 150 KW A 480V, 3F | NR | UD. | - | 1.00 | - 1.00 | 1,204,577.44 | 1,204,577.44 | - 1,204,577.44 | - | -100.00% |
| 2.01 | GENERADOR DE EMERGENCIA DE 100 KW A 480V, 3F | N | UD. | 1.00 | - | 1.00 | 919,044.00 | - | 919,044.00 | 919,044.00 | 100.00% |
| 2.02 | FIJAR GENERADOR | P | UD. | 1.00 | 1.00 | - | 7,500.00 | 7,500.00 | - | 7,500.00 | 0.00% |
| 2.03 | SISTEMA DE TIERRA | P | UD. | 1.00 | 1.00 | - | 8,689.81 | 8,689.81 | - | 8,689.81 | 0.00% |
| 2.04 | SISTEMA DE ESCAPE | P | P.A. | 1.00 | 1.00 | - | 22,514.40 | 22,514.40 | - | 22,514.40 | 0.00% |
| 2.05 | SISTEMA DE COMBUSTIBLE | P | P.A. | 1.00 | 1.00 | - | 9,506.08 | 9,506.08 | - | 9,506.08 | 0.00% |
| 2.06 | SUMINISTRO TANQUE DE COMBUSTIBLE DE 1000 GLS | P | UD. | 1.00 | 1.00 | - | 73,160.00 | 73,160.00 | - | 73,160.00 | 0.00% |
| 2.07 | BASE PARA TANQUE | P | UD. | 1.00 | 1.00 | - | 8,000.00 | 8,000.00 | - | 8,000.00 | 0.00% |
| 2.08 | TANQUE DIARIO DE 42 GLS | P | UD. | 1.00 | 1.00 | - | 9,440.00 | 9,440.00 | - | 9,440.00 | 0.00% |
| 2.09.1 | SUMINISTRO ENCLOSURE BREAKER DE 300/3 AMPS, 600 VOLTS | NR | UD. | - | 1.00 | - 1.00 | 29,240.40 | 29,240.40 | - 29,240.40 | - | -100.00% |
| 2.09.2 | SUMINISTRO ENCLOSURE BREAKER DE 125/3 AMPS, 600 VOLTS | N | UD. | 1.00 | - | 1.00 | 14,035.39 | - | 14,035.39 | 14,035.39 | 100.00% |
| 2.10.1 | SUMINISTRO INTERRUPTOR DE TRASFERENCIA AUTOMÁTICA DE 300 AMPS, 3F, NEMA-1, CON MONITOR DE FASE, CONTROL DE VOLTAJE EN CUTLER HAMMER | NR | UD. | - | 1.00 | - 1.00 | 94,610.04 | 94,610.04 | - 94,610.04 | - | -100.00% |
| 2.10.2 | SUMINISTRO INTERRUPTOR DE TRASFERENCIA AUTOMÁTICA DE 300/400 AMPS, 3F, NEMA-1, CON MONITOR DE FASE, CONTROL DE VOLTAJE EN CUTLER HAMMER | N | UD. | 1.00 | - | 1.00 | 140,429.44 | - | 140,429.44 | 140,429.44 | 100.00% |
| 2.11 | MANO DE OBRA | P | P.A. | 1.00 | 1.00 | - | 95,000.00 | 95,000.00 | - | 95,000.00 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-12 |  |  |  |  |  |  | 2,947,675.41 | - 597,172.44 | 2,350,502.97 | -20.26% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-13 | PROPUESTA PLAN AMBIENTAL DEL PROYECTO (PAP) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| A-13-1 | Recolección de Información | P | P.A. | 1.00 | 1.00 | - | 22,500.00 | 22,500.00 | - | 22,500.00 | 100.00% |
| A-13-2 | Análisis y Estudio de las Informaciones Existentes (PMAA), Memorias Técnicas y Diseños Finales | P | P.A. | 1.00 | 1.00 | - | 78,300.00 | 78,300.00 | - | 78,300.00 | 0.00% |
| A-13-3 | Visita de Campo | P | P.A. | 1.00 | 1.00 | - | 87,200.00 | 87,200.00 | - | 87,200.00 | 0.00% |
| A-13-4 | Elaboración de la Propuesta | P | P.A. | 1.00 | 1.00 | - | 401,500.00 | 401,500.00 | - | 401,500.00 | 0.00% |
| A-13-5 | ANÁLISIS FÍSICO QUÍMICO DE LODOS EN LAGUNA | N | P.A. | 1.00 | - | 1.00 | 196,470.00 | - | 196,470.00 | 196,470.00 | 100.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL A-13 |  |  |  |  |  |  | 589,500.00 | 196,470.00 | 785,970.00 | 33.33% |
|  | SUB-TOTAL A |  |  |  |  |  |  | 92,947,474.94 | - 102,939.76 | 92,844,535.18 | -0.11% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | GASTOS GENERALES |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 1.00 | BENEFICIOS |  | 10.00% |  |  |  | 735,324.17 | 9,294,747.49 | - 10,293.98 | 9,284,453.52 | 99.89% |
| 1.01 | SEGUROS, PÓLIZAS y FIANZAS |  | 3.00% |  |  |  | 220,597.25 | 2,788,424.25 | - 3,088.19 | 2,785,336.06 | 99.89% |
| 1.02 | GASTOS ADMINISTRATIVOS |  | 2.50% |  |  |  | 183,831.04 | 2,323,686.87 | - 2,573.49 | 2,321,113.38 | 99.89% |
| 1.03 | TRANSPORTE |  | 2.00% |  |  |  | 147,064.83 | 1,858,949.50 | - 2,058.80 | 1,856,890.70 | 99.89% |
| 1.04 | CODIA |  | 0.10% |  |  |  | 7,353.24 | 92,947.47 | - 102.94 | 92,844.54 | 99.89% |
| 1.05 | FONDO DE PENSIONES y JUBILACIONES |  | 1.00% |  |  |  | 929,474.75 | 929,474.75 | - | 929,474.75 | 0.00% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 2.00 | ITBIS sobre Beneficios |  | 18.00% |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | SUB-TOTAL GASTOS GENERALES |  |  |  |  |  |  | 17,288,230.34 | - 18,117.40 | 17,270,112.94 | -0.10% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL GENERAL | | | | | | | | 110,235,705.28 | - 121,057.16 | 110,114,648.12 | -0.11% |
| Menos descuento ofertado | | | | | | | | 1,514,859.96 | 1,514,859.96 | 1,514,859.96 | 100.00% |
| TOTAL | | | | | | | | 108,720,845.32 | - 1,635,917.12 | 108,599,788.16 | 99.89% |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL CONTRATO ADENDADO | | | | | | | |  |  | 108,599,788.16 | |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| NOTA: | A = AUMENTO DE CANTIDAD |  |  |  |  |  |  |  |  |  |  |
|  | N = PARTIDA NUEVA |  |  |  |  |  |  |  |  |  |  |
|  | P = PARTIDA A REALIZAR PARCIALMENTE O SIN CAMBIOS |  |  |  |  |  |  |  |  |  |  |
|  | NR = PARTIDA A NO REALIZAR |  |  |  |  |  |  |  |  |  |  |