**ANEXO A**

**LLAMADO MOPC Nº 46/2015**

| PAVIMENTACIONES TIPO EMPEDRADO DENTRO DEL TRAMO: SAPUCAI – CERRO ROKE | | | | TECNOLOGIA DEL SUR S.A. | | | | | APONTE LATORRE | | | | | CONSORCIO ACSA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Descripción | Unidad de Medida | Cantidad | MARCA | PROCED | MARGEN DE PREFERENCIA | Precio Unitario | Precio Total | MARCA | PROCED | MARGEN DE PREFERENCIA | Precio Unitario | Precio Total | MARCA | PROCED | MARGEN DE PREFERENCIA | Precio Unitario | Precio Total |
| 1 | Limpieza y Despeje de Franja de dominio | ha | 1,71 | N/A | N/A | N/A | 19.613.880 | 33.539.735 | N/A | N/A | N/A | 9.913.063 | 16.951.338 | N/A | N/A | N/A | 4.190.551 | 7.165.842 |
| 2 | Remoción de Estructuras Existentes | gl | 1,00 | N/A | N/A | N/A | 55.321.200 | 55.321.200 | N/A | N/A | N/A | 7.590.000 | 7.590.000 | N/A | N/A | N/A | 17.676.846 | 17.676.846 |
| 3 | Traslado de columnas eléctricas | un | 3,00 | N/A | N/A | N/A | 3.600.927 | 10.802.781 | N/A | N/A | N/A | 1.149.500 | 3.448.500 | N/A | N/A | N/A | 3.734.104 | 11.202.312 |
| 4 | Excavación no clasificada | m3 | 1.083,90 | N/A | N/A | N/A | 20.572 | 22.297.991 | N/A | N/A | N/A | 35.819 | 38.824.214 | N/A | N/A | N/A | 26.189 | 28.386.257 |
| 5 | Excavación de bolsones | m3 | 1.650,00 | N/A | N/A | N/A | 23.925 | 39.476.250 | N/A | N/A | N/A | 32.416 | 53.486.400 | N/A | N/A | N/A | 27.510 | 45.391.500 |
| 6 | Excavación de zanjas de drenajes | m3 | 816,00 | N/A | N/A | N/A | 46.824 | 38.208.384 | N/A | N/A | N/A | 33.722 | 27.517.152 | N/A | N/A | N/A | 41.933 | 34.217.328 |
| 7 | Excavación en Roca | m3 | 9.500,00 | N/A | N/A | N/A | 56.447 | 536.246.500 | N/A | N/A | N/A | 208.588 | 1.981.586.000 | N/A | N/A | N/A | 95.796 | 910.062.000 |
| 8 | Terraplén | m3 | 11.100,00 | N/A | N/A | N/A | 41.925 | 465.367.500 | N/A | N/A | N/A | 48.786 | 541.524.600 | N/A | N/A | N/A | 50.410 | 559.551.000 |
| 9 | Empedrado | m2 | 28.350,00 | N/A | N/A | N/A | 49.808 | 1.412.056.800 | N/A | N/A | N/A | 53.593 | 1.519.361.550 | N/A | N/A | N/A | 43.665 | 1.237.902.750 |
| 10 | **Alcantarillas Tubulares de Hormigón Armado** | | | N/A | N/A | N/A | | | N/A | N/A | N/A | | | N/A | N/A | N/A | | |
| 11 | Alcantarilla Tubular Simple Hº Aº de D = 0,80 m | ml | 48,00 | N/A | N/A | N/A | 2.855.235 | 137.051.280 | N/A | N/A | N/A | 1.283.701 | 61.617.648 | N/A | N/A | N/A | 3.741.769 | 179.604.912 |
| 12 | Alcantarilla Tubular Simple Hº Aº de D = 1,00 m | ml | 12,00 | N/A | N/A | N/A | 3.428.160 | 41.137.920 | N/A | N/A | N/A | 1.801.794 | 21.621.528 | N/A | N/A | N/A | 4.278.903 | 51.346.836 |
| 13 | **Alcantarillas Celulares de Hormigón Armado** | | | N/A | N/A | N/A | | | N/A | N/A | N/A | | | N/A | N/A | N/A | | |
| 14 | Alcantarilla Celular Simple Hº Aº de 2,00 x 2,00 m | ml | 24,00 | N/A | N/A | N/A | 11.057.158 | 265.371.792 | N/A | N/A | N/A | 6.918.779 | 166.050.696 | N/A | N/A | N/A | 7.569.354 | 181.664.496 |
| 15 | Barandas de Defensas Metálicas – Tipo Flex Beam | ml | 1.900,00 | N/A | N/A | N/A | 322.293 | 612.356.700 | N/A | N/A | N/A | 301.147 | 572.179.300 | N/A | N/A | N/A | 420.626 | 799.189.400 |
| 16 | Cordón de Hormigón | ml | 10.002,00 | N/A | N/A | N/A | 52.378 | 523.884.756 | N/A | N/A | N/A | 50.704 | 507.141.408 | N/A | N/A | N/A | 54.292 | 543.028.584 |
| 17 | Cordón Cuneta de Hormigón | ml | 74,00 | N/A | N/A | N/A | 299.922 | 22.194.228 | N/A | N/A | N/A | 180.275 | 13.340.350 | N/A | N/A | N/A | 505.494 | 37.406.556 |
| 18 | Cuneta Revestida de Hormigón | m3 | 286,00 | N/A | N/A | N/A | 1.212.023 | 346.638.578 | N/A | N/A | N/A | 1.375.694 | 393.448.484 | N/A | N/A | N/A | 1.200.043 | 343.212.298 |
| 19 | Badén de Hormigón | m3 | 18,00 | N/A | N/A | N/A | 1.831.034 | 32.958.612 | N/A | N/A | N/A | 1.375.694 | 24.762.492 | N/A | N/A | N/A | 1.189.485 | 21.410.730 |
| 20 | Vereda de Hormigón | m3 | 163,00 | N/A | N/A | N/A | 1.355.458 | 220.939.654 | N/A | N/A | N/A | 1.368.179 | 223.013.177 | N/A | N/A | N/A | 1.200.043 | 195.607.009 |
| 21 | Señalización Vertical | m2 | 19,78 | N/A | N/A | N/A | 1.152.525 | 22.796.945 | N/A | N/A | N/A | 1.639.612 | 32.431.525 | N/A | N/A | N/A | 981.956 | 19.423.090 |
| 22 | Protección Forestal en Áreas de Prestamos | un | 4,00 | N/A | N/A | N/A | 15.378.113 | 61.512.452 | N/A | N/A | N/A | 33.189.915 | 132.759.660 | N/A | N/A | N/A | 2.674.856 | 10.699.424 |
| 23 | Empastado | m2 | 7.311,41 | N/A | N/A | N/A | 8.793 | 64.289.228 | N/A | N/A | N/A | 13.716 | 100.283.300 | N/A | N/A | N/A | 11.509 | 84.147.018 |
| 24 | Movilización | gl | 1,00 | N/A | N/A | N/A | 120.000.000 | 120.000.000 | N/A | N/A | N/A | 124.460.875 | 124.460.875 | N/A | N/A | N/A | 168.169.900 | 168.169.900 |
| | Instalaciones y servicios especiales | mes | 8,00 | N/A | N/A | N/A | 26.387.495 | 211.099.960 | N/A | N/A | N/A | 13.929.781 | 111.438.248 | N/A | N/A | N/A | 35.922.150 | 287.377.200 |
| | **TOTAL (IVA INCLUIDO)** | | | | | | | **5.295.549.246** | | | | | **6.674.838.445** | | | | | **5.773.843.288** |

Abg. Lise Alejandra Vera M.
Directora Adjunta
UOC - MOPC

## ANEXO A

### LLAMADO MOPC Nº 46/2015

| PAVIMENTACIONES TIPO EMPEDRADO DENTRO DEL TRAMO: SAPUCAI – CERRO ROKE | | | | LIDER S.R.L | | | | | YATYTA S.A. EMPRESA DE CONSTRUCCIONES | | | | | CONSTRUCCIONES RIVAS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ítem | Descripción | Unidad de Medida | Cantidad | MARCA | PROCED | MARGEN DE PREFERENCIA | Precio Unitario | Precio Total | MARCA | PROCED | MARGEN DE PREFERENCIA | Precio Unitario | Precio Total | MARCA | PROCED | MARGEN DE PREFERENCIA | Precio Unitario | Precio Total |
| 1 | Limpieza y Despeje de Franja de dominio | ha | 1,71 | N/A | N/A | N/A | 11.856.000 | 20.273.760 | N/A | N/A | N/A | 12.884.151 | 22.031.898 | N/A | N/A | N/A | 4.500.000 | 7.695.000 |
| 2 | Remoción de Estructuras Existentes | gl | 1,00 | N/A | N/A | N/A | 6.016.725 | 6.016.725 | N/A | N/A | N/A | 23.401.728 | 23.401.728 | N/A | N/A | N/A | 25.000.000 | 25.000.000 |
| 3 | Traslado de columnas eléctricas | un | 3,00 | N/A | N/A | N/A | 1.518.660 | 4.555.980 | N/A | N/A | N/A | 7.921.857 | 23.765.571 | N/A | N/A | N/A | 10.800.000 | 32.400.000 |
| 4 | Excavación no clasificada | m3 | 1.083,90 | N/A | N/A | N/A | 40.541 | 43.942.390 | N/A | N/A | N/A | 28.797 | 31.213.068 | N/A | N/A | N/A | 26.800 | 29.048.520 |
| 5 | Excavación de bolsones | m3 | 1.650,00 | N/A | N/A | N/A | 40.541 | 66.892.650 | N/A | N/A | N/A | 32.394 | 53.450.100 | N/A | N/A | N/A | 29.400 | 48.510.000 |
| 6 | Excavación de zanjas de drenajes | m3 | 816,00 | N/A | N/A | N/A | 36.036 | 29.405.376 | N/A | N/A | N/A | 28.885 | 23.570.160 | N/A | N/A | N/A | 27.800 | 22.684.800 |
| 7 | Excavación en Roca | m3 | 9.500,00 | N/A | N/A | N/A | 173.342 | 1.646.749.000 | N/A | N/A | N/A | 136.499 | 1.296.740.500 | N/A | N/A | N/A | 104.500 | 992.750.000 |
| 8 | Terraplén | m3 | 11.100,00 | N/A | N/A | N/A | 45.000 | 499.500.000 | N/A | N/A | N/A | 46.162 | 512.398.200 | N/A | N/A | N/A | 40.300 | 447.330.000 |
| 9 | Empedrado | m2 | 28.350,00 | N/A | N/A | N/A | 45.252 | 1.282.894.200 | N/A | N/A | N/A | 39.165 | 1.110.327.750 | N/A | N/A | N/A | 48.100 | 1.363.635.000 |
| 10 | **Alcantarillas Tubulares de Hormigón Armado** | | | N/A | N/A | N/A | | | N/A | N/A | N/A | | | N/A | N/A | N/A | | |
| 11 | Alcantarilla Tubular Simple Hº Aº de D = 0,80 m | ml | 48,00 | N/A | N/A | N/A | 2.292.919 | 110.060.112 | N/A | N/A | N/A | 2.566.638 | 123.198.624 | N/A | N/A | N/A | 1.400.000 | 67.200.000 |
| 12 | Alcantarilla Tubular Simple Hº Aº de D = 1,00 m | ml | 12,00 | N/A | N/A | N/A | 2.897.487 | 34.769.844 | N/A | N/A | N/A | 3.144.083 | 37.728.996 | N/A | N/A | N/A | 2.500.000 | 30.000.000 |
| 13 | **Alcantarillas Celulares de Hormigón Armado** | | | N/A | N/A | N/A | | | N/A | N/A | N/A | | | N/A | N/A | N/A | | |
| 14 | Alcantarilla Celular Simple Hº Aº de 2,00 x 2,00 m | ml | 24,00 | N/A | N/A | N/A | 5.504.499 | 132.107.976 | N/A | N/A | N/A | 10.950.976 | 262.823.424 | N/A | N/A | N/A | 8.600.000 | 206.400.000 |
| 15 | Barandas de Defensas Metálicas – Tipo Flex Beam | ml | 1.900,00 | N/A | N/A | N/A | 293.951 | 558.506.900 | N/A | N/A | N/A | 376.051 | 714.496.900 | N/A | N/A | N/A | 425.000 | 807.500.000 |
| 16 | Cordón de Hormigón | ml | 10.002,00 | N/A | N/A | N/A | 41.190 | 411.982.380 | N/A | N/A | N/A | 47.271 | 472.804.542 | N/A | N/A | N/A | 40.900 | 409.081.800 |
| 17 | Cordón Cuneta de Hormigón | ml | 74,00 | N/A | N/A | N/A | 157.758 | 11.674.092 | N/A | N/A | N/A | 319.665 | 23.655.210 | N/A | N/A | N/A | 86.000 | 6.364.000 |
| 18 | Cuneta Revestida de Hormigón | m3 | 286,00 | N/A | N/A | N/A | 1.150.000 | 328.900.000 | N/A | N/A | N/A | 1.257.869 | 359.750.534 | N/A | N/A | N/A | 1.700.000 | 486.200.000 |
| 19 | Badén de Hormigón | m3 | 18,00 | N/A | N/A | N/A | 1.200.000 | 21.600.000 | N/A | N/A | N/A | 1.257.869 | 22.641.642 | N/A | N/A | N/A | 1.700.000 | 30.600.000 |
| 20 | Vereda de Hormigón | m3 | 163,00 | N/A | N/A | N/A | 965.027 | 157.299.401 | N/A | N/A | N/A | 1.257.869 | 205.032.647 | N/A | N/A | N/A | 1.700.000 | 277.100.000 |
| 21 | Señalización Vertical | m2 | 19,78 | N/A | N/A | N/A | 1.261.474 | 24.951.956 | N/A | N/A | N/A | 2.050.410 | 40.557.110 | N/A | N/A | N/A | 1.100.000 | 21.758.000 |
| 22 | Protección Forestal en Áreas de Prestamos | un | 4,00 | N/A | N/A | N/A | 13.806.540 | 55.226.160 | N/A | N/A | N/A | 8.104.038 | 32.416.152 | N/A | N/A | N/A | 5.000.000 | 20.000.000 |
| 23 | Empastado | m2 | 7.311,41 | N/A | N/A | N/A | 12.000 | 87.736.920 | N/A | N/A | N/A | 9.808 | 71.710.309 | N/A | N/A | N/A | 15.000 | 109.671.150 |
| 24 | Movilización | gl | 1,00 | N/A | N/A | N/A | 450.000.000 | 450.000.000 | N/A | N/A | N/A | 162.768.540 | 162.768.540 | N/A | N/A | N/A | 162.000.000 | 162.000.000 |
| | Instalaciones y servicios especiales | mes | 8,00 | N/A | N/A | N/A | 50.000.000 | 400.000.000 | N/A | N/A | N/A | 42.696.821 | 341.574.568 | N/A | N/A | N/A | 21.500.000 | 172.000.000 |
| | **TOTAL (IVA INCLUIDO)** | | | | | | | **6.385.045.822** | | | | | **5.968.058.173** | | | | | **5.774.928.270** |

Abg. Lise Alejandra Vera M.
Directora Adjunta
UOC - MOPC

**ANEXO A**

**LLAMADO MOPC Nº 46/2015**

| PAVIMENTACIONES TIPO EMPEDRADO DENTRO DEL TRAMO: SAPUCAI – CERRO ROKE | | | | INGENIERO MIGUEL CHAVEZ | | | | | CONSORCIO TAPE RORY | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Descripción | Unidad de Medida | Cantidad | MARCA | PROCED | MARGEN DE PREFERENCIA | Precio Unitario | Precio Total | MARCA | PROCED | MARGEN DE PREFERENCIA | Precio Unitario | Precio Total |
| 1 | Limpieza y Despeje de Franja de dominio | ha | 1,71 | N/A | N/A | N/A | 17.745.359 | 30.344.564 | N/A | N/A | N/A | 11.088.000 | 18.960.480 |
| 2 | Remoción de Estructuras Existentes | gl | 1,00 | N/A | N/A | N/A | 27.400.859 | 27.400.859 | N/A | N/A | N/A | 11.088.000 | 11.088.000 |
| 3 | Traslado de columnas eléctricas | un | 3,00 | N/A | N/A | N/A | 4.379.143 | 13.137.429 | N/A | N/A | N/A | 2.310.000 | 6.930.000 |
| 4 | Excavación no clasificada | m3 | 1.083,90 | N/A | N/A | N/A | 25.098 | 27.203.722 | N/A | N/A | N/A | 38.500 | 41.730.150 |
| 5 | Excavación de bolsones | m3 | 1.650,00 | N/A | N/A | N/A | 30.861 | 50.920.650 | N/A | N/A | N/A | 38.500 | 63.525.000 |
| 6 | Excavación de zanjas de drenajes | m3 | 816,00 | N/A | N/A | N/A | 27.258 | 22.242.528 | N/A | N/A | N/A | 38.500 | 31.416.000 |
| 7 | Excavación en Roca | m3 | 9.500,00 | N/A | N/A | N/A | 101.121 | 960.649.500 | N/A | N/A | N/A | 231.000 | 2.194.500.000 |
| 8 | Terraplén | m3 | 11.100,00 | N/A | N/A | N/A | 50.211 | 557.342.100 | N/A | N/A | N/A | 52.434 | 582.017.400 |
| 9 | Empedrado | m2 | 28.350,00 | N/A | N/A | N/A | 47.033 | 1.333.385.550 | N/A | N/A | N/A | 50.358 | 1.427.649.300 |
| 10 | **Alcantarillas Tubulares de Hormigón Armado** | | | N/A | N/A | N/A | | | N/A | N/A | N/A | | |
| 11 | Alcantarilla Tubular Simple Hº Aº de D = 0,80 m | ml | 48,00 | N/A | N/A | N/A | 1.981.747 | 95.123.856 | N/A | N/A | N/A | 1.640.100 | 78.724.800 |
| 12 | Alcantarilla Tubular Simple Hº Aº de D = 1,00 m | ml | 12,00 | N/A | N/A | N/A | 2.517.446 | 30.209.352 | N/A | N/A | N/A | 2.787.400 | 33.448.800 |
| 13 | **Alcantarillas Celulares de Hormigón Armado** | | | N/A | N/A | N/A | | | N/A | N/A | N/A | | |
| 14 | Alcantarilla Celular Simple Hº Aº de 2,00 x 2,00 m | ml | 24,00 | N/A | N/A | N/A | 6.324.091 | 151.778.184 | N/A | N/A | N/A | 5.651.800 | 135.643.200 |
| 15 | Barandas de Defensas Metálicas – Tipo Flex Beam | ml | 1.900,00 | N/A | N/A | N/A | 325.933 | 619.272.700 | N/A | N/A | N/A | 308.000 | 585.200.000 |
| 16 | Cordón de Hormigón | ml | 10.002,00 | N/A | N/A | N/A | 34.098 | 341.048.196 | N/A | N/A | N/A | 49.280 | 492.898.560 |
| 17 | Cordón Cuneta de Hormigón | ml | 74,00 | N/A | N/A | N/A | 204.654 | 15.144.396 | N/A | N/A | N/A | 256.360 | 18.970.640 |
| 18 | Cuneta Revestida de Hormigón | m3 | 286,00 | N/A | N/A | N/A | 1.293.167 | 369.845.762 | N/A | N/A | N/A | 1.107.260 | 316.676.360 |
| 19 | Badén de Hormigón | m3 | 18,00 | N/A | N/A | N/A | 1.083.539 | 19.503.702 | N/A | N/A | N/A | 1.107.260 | 19.930.680 |
| 20 | Vereda de Hormigón | m3 | 163,00 | N/A | N/A | N/A | 1.187.309 | 193.531.367 | N/A | N/A | N/A | 1.107.260 | 180.483.380 |
| 21 | Señalización Vertical | m2 | 19,78 | N/A | N/A | N/A | 1.001.000 | 19.799.780 | N/A | N/A | N/A | 2.194.500 | 43.407.210 |
| 22 | Protección Forestal en Áreas de Prestamos | un | 4,00 | N/A | N/A | N/A | 20.797.634 | 83.190.536 | N/A | N/A | N/A | 23.292.500 | 93.170.000 |
| 23 | Empastado | m2 | 7.311,41 | N/A | N/A | N/A | 9.295 | 67.959.556 | N/A | N/A | N/A | 14.322 | 104.714.014 |
| 24 | Movilización | gl | 1,00 | N/A | N/A | N/A | 157.300.000 | 157.300.000 | N/A | N/A | N/A | 169.400.000 | 169.400.000 |
| | Instalaciones y servicios especiales | mes | 8,00 | N/A | N/A | N/A | 19.305.000 | 154.440.000 | N/A | N/A | N/A | 21.560.000 | 172.480.000 |
| | **TOTAL (IVA INCLUIDO)** | | | | | | | **5.340.774.289** | | | | | **6.822.963.974** |

Abg. Lise Alejandra Vera Ma
Directora Adjunta
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