**PRECIO PROMEDIO DEL ALUMINIO EN EL LME SETTLE, CORRESPONDIENTE AL MES DE DICIEMBRE (FECHA DE LA PRESENTACIÓN DE LA OFERTA Y APERTURA DE SOBRES "17/12/2021"**

**LME DAILY OFFICIAL AND SETTLEMENT PRICES**

**LME PRIMARY ALUMINIUM $USD/Tonne**

**dic-21**

| | CASH | | | 3-MONTHS | | | DECEMBER 1 | | | DECEMBER 2 | | | DECEMBER 3 | | | SETTLEMENT | Exchange Rate | | | Sterling Equivalents | | Euro Equivalents | 3MStg/$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BUYER | SELLER | Mean | BUYER | SELLER | Mean | BUYER | SELLER | Mean | BUYER | SELLER | Mean | BUYER | SELLER | Mean | | Stg/$ | EURO | Ycn | Cash Seller's | 3mths Seller's | Cash Seller's | |
| 01-dic-21 | $2.669,00 | $2.669,50 | $2.669,25 | $2.646,00 | $2.646,50 | $2.646,25 | $2.633,00 | $2.638,00 | $2.635,50 | $2.528,00 | $2.533,00 | $2.530,50 | $2.422,00 | $2.427,00 | $2.424,50 | $2.669,50 | 1,3317 | 1,1314 | 113,41 | 2.004,58 | 1.985,97 | 2.359,47 | 1,3326 |
| 02-dic-21 | $2.654,00 | $2.655,00 | $2.654,50 | $2.639,50 | $2.640,00 | $2.639,75 | $2.630,00 | $2.635,00 | $2.632,50 | $2.530,00 | $2.535,00 | $2.532,50 | $2.425,00 | $2.430,00 | $2.427,50 | $2.655,00 | 1,3332 | 1,1343 | 112,83 | 1.991,45 | 1.979,16 | 2.340,65 | 1,3339 |
| 03-dic-21 | $2.647,00 | $2.648,00 | $2.647,50 | $2.627,00 | $2.629,00 | $2.628,00 | $2.610,00 | $2.615,00 | $2.612,50 | $2.530,00 | $2.535,00 | $2.532,50 | $2.445,00 | $2.450,00 | $2.447,50 | $2.648,00 | 1,3273 | 1,1297 | 113,33 | 1.995,03 | 1.979,82 | 2.343,99 | 1,3279 |
| 06-dic-21 | $2.599,50 | $2.600,50 | $2.600,00 | $2.585,00 | $2.586,00 | $2.585,50 | $2.578,00 | $2.583,00 | $2.580,50 | $2.488,00 | $2.493,00 | $2.490,50 | $2.398,00 | $2.403,00 | $2.400,50 | $2.600,50 | 1,3270 | 1,1292 | 113,13 | 1.959,68 | 1.947,73 | 2.302,96 | 1,3277 |
| 07-dic-21 | $2.624,50 | $2.625,00 | $2.624,75 | $2.619,00 | $2.620,00 | $2.619,50 | $2.615,00 | $2.620,00 | $2.617,50 | $2.525,00 | $2.530,00 | $2.527,50 | $2.435,00 | $2.440,00 | $2.437,50 | $2.625,00 | 1,3254 | 1,1253 | 113,53 | 1.980,53 | 1.975,72 | 2.332,71 | 1,3261 |
| 08-dic-21 | $2.625,00 | $2.626,00 | $2.625,50 | $2.625,00 | $2.627,00 | $2.626,00 | $2.618,00 | $2.623,00 | $2.620,50 | $2.520,00 | $2.525,00 | $2.522,50 | $2.430,00 | $2.435,00 | $2.432,50 | $2.626,00 | 1,3194 | 1,1292 | 113,76 | 1.990,30 | 1.990,00 | 2.325,54 | 1,3201 |
| 09-dic-21 | $2.630,00 | $2.630,50 | $2.630,25 | $2.633,00 | $2.634,00 | $2.633,50 | $2.620,00 | $2.625,00 | $2.622,50 | $2.520,00 | $2.525,00 | $2.522,50 | $2.420,00 | $2.425,00 | $2.422,50 | $2.630,50 | 1,3191 | 1,1310 | 113,44 | 1.994,16 | 1.996,21 | 2.325,82 | 1,3195 |
| 10-dic-21 | $2.624,00 | $2.625,00 | $2.624,50 | $2.617,00 | $2.619,00 | $2.618,00 | $2.610,00 | $2.615,00 | $2.612,50 | $2.510,00 | $2.515,00 | $2.512,50 | $2.395,00 | $2.400,00 | $2.397,50 | $2.625,00 | 1,3210 | 1,1279 | 113,69 | 1.987,13 | 1.981,84 | 2.327,33 | 1,3215 |
| 13-dic-21 | $2.675,00 | $2.677,00 | $2.676,00 | $2.650,50 | $2.651,00 | $2.650,75 | $2.643,00 | $2.648,00 | $2.645,50 | $2.538,00 | $2.543,00 | $2.540,50 | $2.458,00 | $2.463,00 | $2.460,50 | $2.677,00 | 1,3248 | 1,1277 | 113,62 | 2.020,68 | 2.000,15 | 2.373,86 | 1,3254 |
| 14-dic-21 | $2.635,00 | $2.636,00 | $2.635,50 | $2.630,00 | $2.631,00 | $2.630,50 | $2.623,00 | $2.628,00 | $2.625,50 | $2.523,00 | $2.528,00 | $2.525,50 | $2.423,00 | $2.428,00 | $2.425,50 | $2.636,00 | 1,3253 | 1,1310 | 113,55 | 1.988,98 | 1.984,31 | 2.330,68 | 1,3259 |
| 15-dic-21 | $2.596,00 | $2.597,00 | $2.596,50 | $2.589,50 | $2.590,00 | $2.589,75 | $2.583,00 | $2.588,00 | $2.585,50 | $2.488,00 | $2.493,00 | $2.490,50 | $2.388,00 | $2.393,00 | $2.390,50 | $2.597,00 | 1,3258 | 1,1263 | 113,89 | 1.958,82 | 1.952,95 | 2.305,78 | 1,3262 |
| 16-dic-21 | $2.628,00 | $2.630,00 | $2.629,00 | $2.644,00 | $2.645,00 | $2.644,50 | $2.638,00 | $2.643,00 | $2.640,50 | $2.553,00 | $2.558,00 | $2.555,50 | $2.495,00 | $2.500,00 | $2.497,50 | $2.630,00 | 1,3352 | 1,1328 | 114,17 | 1.969,74 | 1.980,68 | 2.321,68 | 1,3354 |
| 17-dic-21 | $2.692,00 | $2.694,00 | $2.693,00 | $2.710,00 | $2.711,00 | $2.710,50 | $2.695,00 | $2.700,00 | $2.697,50 | $2.593,00 | $2.598,00 | $2.595,50 | $2.498,00 | $2.503,00 | $2.500,50 | $2.694,00 | 1,3297 | 1,1331 | 113,24 | 2.026,02 | 2.038,65 | 2.377,55 | 1,3298 |
| 20-dic-21 | $2.645,00 | $2.645,50 | $2.645,25 | $2.674,00 | $2.675,00 | $2.674,50 | $2.655,00 | $2.660,00 | $2.657,50 | $2.545,00 | $2.550,00 | $2.547,50 | $2.440,00 | $2.445,00 | $2.442,50 | $2.645,50 | 1,3216 | 1,1269 | 113,53 | 2.001,74 | 2.024,21 | 2.347,59 | 1,3215 |
| 21-dic-21 | $2.695,00 | $2.696,00 | $2.695,50 | $2.714,00 | $2.716,00 | $2.715,00 | $2.698,00 | $2.703,00 | $2.700,50 | $2.607,00 | $2.612,00 | $2.609,50 | $2.505,00 | $2.510,00 | $2.507,50 | $2.696,00 | 1,3254 | 1,1295 | 113,72 | 2.034,10 | 2.049,66 | 2.386,90 | 1,3251 |
| 22-dic-21 | $2.810,50 | $2.811,00 | $2.810,75 | $2.828,00 | $2.829,00 | $2.828,50 | $2.798,00 | $2.803,00 | $2.800,50 | $2.663,00 | $2.668,00 | $2.665,50 | $2.538,00 | $2.543,00 | $2.540,50 | $2.811,00 | 1,3306 | 1,1304 | 114,23 | 2.112,58 | 2.126,59 | 2.486,73 | 1,3303 |
| 23-dic-21 | $2.817,50 | $2.818,00 | $2.817,75 | $2.829,00 | $2.830,00 | $2.829,50 | $2.790,00 | $2.795,00 | $2.792,50 | $2.620,00 | $2.625,00 | $2.622,50 | $2.460,00 | $2.465,00 | $2.462,50 | $2.818,00 | 1,3429 | 1,1307 | 114,36 | 2.098,44 | 2.107,85 | 2.492,26 | 1,3426 |
| 24-dic-21 | $2.846,00 | $2.848,00 | $2.847,00 | $2.841,00 | $2.841,50 | $2.841,25 | $2.797,00 | $2.802,00 | $2.799,50 | $2.625,00 | $2.630,00 | $2.627,50 | $2.460,00 | $2.465,00 | $2.462,50 | $2.848,00 | 1,3418 | 1,1322 | 114,40 | 2.122,52 | 2.118,15 | 2.515,46 | 1,3415 |
| 29-dic-21 | $2.834,50 | $2.835,00 | $2.834,75 | $2.818,00 | $2.818,50 | $2.818,25 | $2.773,00 | $2.778,00 | $2.775,50 | $2.605,00 | $2.610,00 | $2.607,50 | $2.440,00 | $2.445,00 | $2.442,50 | $2.835,00 | 1,3427 | 1,1297 | 114,95 | 2.111,42 | 2.099,75 | 2.509,52 | 1,3423 |
| 30-dic-21 | $2.829,00 | $2.829,50 | $2.829,25 | $2.824,50 | $2.825,50 | $2.825,00 | $2.793,00 | $2.798,00 | $2.795,50 | $2.613,00 | $2.618,00 | $2.615,50 | $2.448,00 | $2.453,00 | $2.450,50 | $2.829,50 | 1,3517 | 1,1343 | 115,04 | 2.093,29 | 2.091,26 | 2.494,49 | 1,3511 |
| 31-dic-21 | $2.805,50 | $2.806,00 | $2.805,75 | $2.805,00 | $2.810,00 | $2.807,50 | $2.768,00 | $2.773,00 | $2.770,50 | $2.558,00 | $2.563,00 | $2.560,50 | $2.338,00 | $2.343,00 | $2.340,50 | $2.806,00 | 1,3483 | 1,1325 | 115,15 | 2.081,14 | 2.085,03 | 2.477,70 | 1,3477 |
| **Average** | $2.694,38 | $2.695,36 | $2.694,87 | $2.692,81 | $2.694,05 | $2.693,43 | $2.674,67 | $2.679,67 | $2.677,17 | $2.556,29 | $2.561,29 | $2.558,79 | $2.441,00 | $2.446,00 | $2.443,50 | $2.695,36 | 1,3309 | 1,1302 | 113,86 | 2024,87 | 2023,60 | 2384,70 | 1,3311 |
| **High** | $2.846,00 | $2.848,00 | $2.847,00 | $2.841,00 | $2.841,50 | $2.841,25 | $2.798,00 | $2.803,00 | $2.800,50 | $2.663,00 | $2.668,00 | $2.665,50 | $2.538,00 | $2.543,00 | $2.540,50 | $2.848,00 | 1,3517 | 1,1343 | 115,15 | 2122,52 | 2126,59 | 2515,46 | 1,3511 |
| **Low** | $2.596,00 | $2.597,00 | $2.596,50 | $2.585,00 | $2.586,00 | $2.585,50 | $2.578,00 | $2.583,00 | $2.580,50 | $2.488,00 | $2.493,00 | $2.490,50 | $2.338,00 | $2.343,00 | $2.340,50 | $2.597,00 | 1,3191 | 1,1253 | 112,83 | 1958,82 | 1947,73 | 2302,96 | 1,3195 |

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# LME Monthly Trading

Apr-23

## Prices - Apr-23

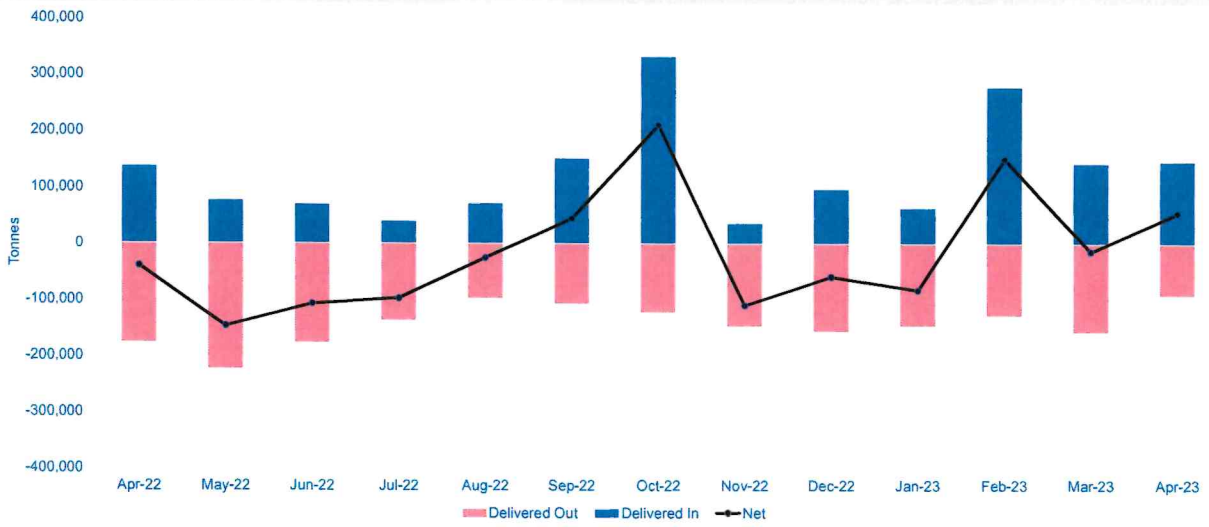
| Contract | Official Cash Settlement Price | | | | Official 3 Month Price | | | |
|---|---|---|---|---|---|---|---|---|
| | Average | Low | High | *M/M Change % | Average | Low | High | *M/M Change % |
| LME Aluminium | $2,341.00 | $2,258.50 | $2,410.00 | 2.2% | $2,367.97 | $2,302.00 | $2,431.00 | 1.3% |
| LME Aluminium Alloy | $1,948.56 | $1,947.00 | $1,952.00 | -3.3% | $2,007.00 | $2,007.00 | $2,007.00 | -3.0% |
| LME NASAAC | $2,445.33 | $2,336.00 | $2,510.00 | 6.2% | $2,551.72 | $2,459.00 | $2,603.00 | 7.4% |
| LME Copper | $8,814.00 | $8,465.50 | $9,082.00 | -0.2% | $8,822.03 | $8,488.00 | $9,086.00 | -0.3% |
| LME Lead | $2,149.14 | $2,119.50 | $2,204.00 | 1.6% | $2,127.75 | $2,098.00 | $2,165.00 | 0.9% |
| LME Nickel | $23,756.67 | $22,500.00 | $25,540.00 | 1.9% | $23,974.72 | $22,625.00 | $25,775.00 | 1.8% |
| LME Tin | $25,886.11 | $23,940.00 | $27,660.00 | 7.8% | $25,744.17 | $23,900.00 | $27,650.00 | 6.9% |
| LME Zinc | $2,772.81 | $2,610.00 | $2,937.00 | -6.2% | $2,765.42 | $2,611.50 | $2,908.00 | -5.7% |
| LME Cobalt | $34,497.67 | $34,488.00 | $34,515.00 | 2.0% | $34,930.00 | $34,930.00 | $34,930.00 | 2.0% |

* Percentage change in average price from previous month

## Warehouse stock movements (tonnes) - Apr-23

| Contract | Delivered In | Delivered Out | Net | Closing |
|---|---|---|---|---|
| LME Aluminium | 94,000 | - 51,700 | 42,300 | 566,200 |
| LME Aluminium Alloy | - | - | - | 1,920 |
| LME NASAAC | - | - 220 | - 220 | 740 |
| LME Copper | 33,875 | - 31,375 | 2,500 | 66,350 |
| LME Lead | 6,775 | - 850 | 5,925 | 32,300 |
| LME Nickel | 1,134 | - 4,188 | - 3,054 | 40,014 |
| LME Tin | 135 | - 580 | - 445 | 1,545 |
| LME Zinc | 10,000 | - 2,125 | 7,875 | 52,925 |
| LME Cobalt | - | - 5 | - 5 | 109 |
| Total | 145,919 | - 91,043 | 54,876 | 762,103 |

## Monthly Warehouse Stock Movements

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# LME Monthly Trading

May-23

## Prices - May-23

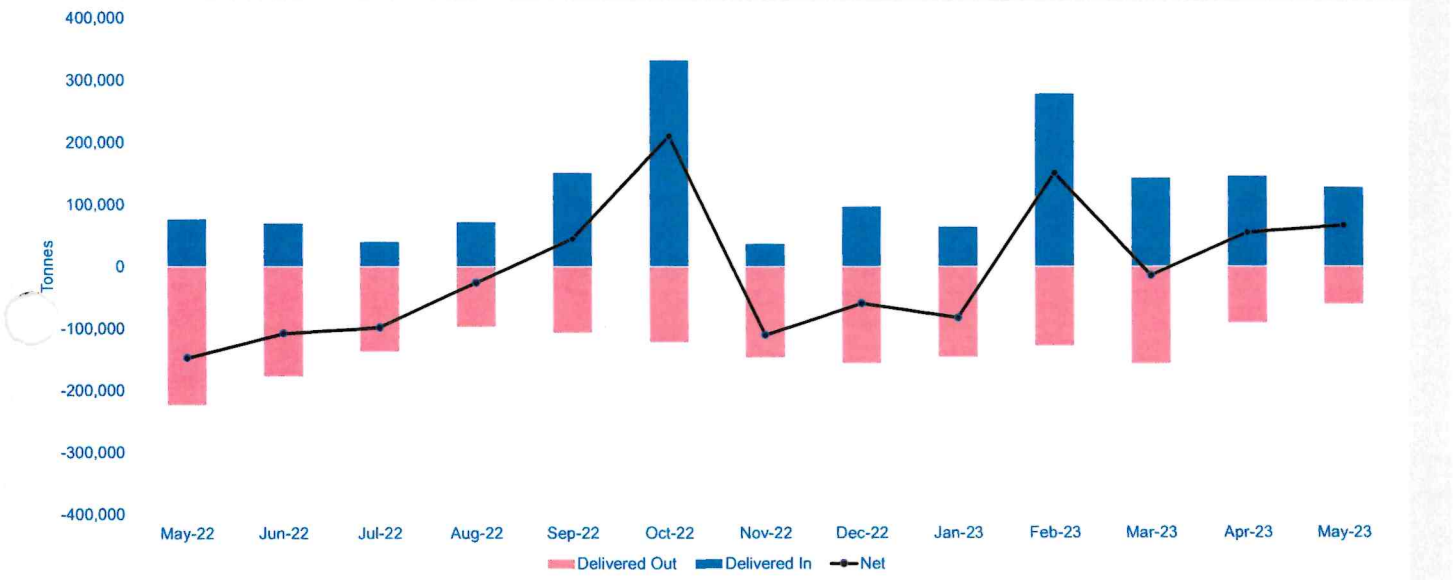
| Contract | Official Cash Settlement Price | | | | Official 3 Month Price | | | |
|---|---|---|---|---|---|---|---|---|
| | Average | Low | High | *M/M Change % | Average | Low | High | *M/M Change % |
| LME Aluminium | $2,267.60 | $2,202.00 | $2,353.00 | -3.1% | $2,269.68 | $2,221.50 | $2,355.00 | -4.2% |
| LME Aluminium Alloy | $1,949.65 | $1,947.00 | $1,952.00 | 0.1% | $2,007.00 | $2,007.00 | $2,007.00 | 0.0% |
| LME NASAAC | $2,528.25 | $2,500.00 | $2,549.00 | 3.4% | $2,597.50 | $2,550.00 | $2,600.00 | 1.8% |
| LME Copper | $8,234.28 | $7,910.00 | $8,583.00 | -6.6% | $8,271.43 | $7,960.00 | $8,607.00 | -6.2% |
| LME Lead | $2,087.50 | $2,032.50 | $2,171.00 | -2.9% | $2,089.93 | $2,031.50 | $2,158.00 | -1.8% |
| LME Nickel | $22,229.50 | $20,450.00 | $25,100.00 | -6.4% | $22,342.25 | $20,540.00 | $25,150.00 | -6.8% |
| LME Tin | $25,609.75 | $24,300.00 | $27,125.00 | -1.1% | $25,344.75 | $24,125.00 | $26,875.00 | -1.6% |
| LME Zinc | $2,477.70 | $2,224.00 | $2,658.00 | -10.6% | $2,490.23 | $2,236.50 | $2,675.00 | -10.0% |
| LME Cobalt | $33,476.25 | $29,085.00 | $34,505.00 | -3.0% | $33,915.25 | $29,525.00 | $34,930.00 | -2.9% |

* Percentage change in average price from previous month

## Warehouse stock movements (tonnes) - May-23

| Contract | Delivered In | Delivered Out | Net | Closing |
|---|---|---|---|---|
| LME Aluminium | 41,800 | - 45,300 | - 3,500 | 578,825 |
| LME Aluminium Alloy | - | - | - | 1,920 |
| LME NASAAC | - | - 20 | - 20 | 720 |
| LME Copper | 36,200 | - 3,025 | 33,175 | 99,525 |
| LME Lead | 4,200 | - 50 | 4,150 | 36,450 |
| LME Nickel | 930 | - 3,258 | - 2,328 | 37,686 |
| LME Tin | 735 | - 310 | 425 | 1,970 |
| LME Zinc | 43,850 | - 9,325 | 34,525 | 87,450 |
| LME Cobalt | - | - 13 | - 13 | 96 |
| Total | 127,715 | - 61,301 | 66,414 | 844,642 |

## Monthly Warehouse Stock Movements

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# LME Monthly Trading

Jun-23

## Prices - Jun-23

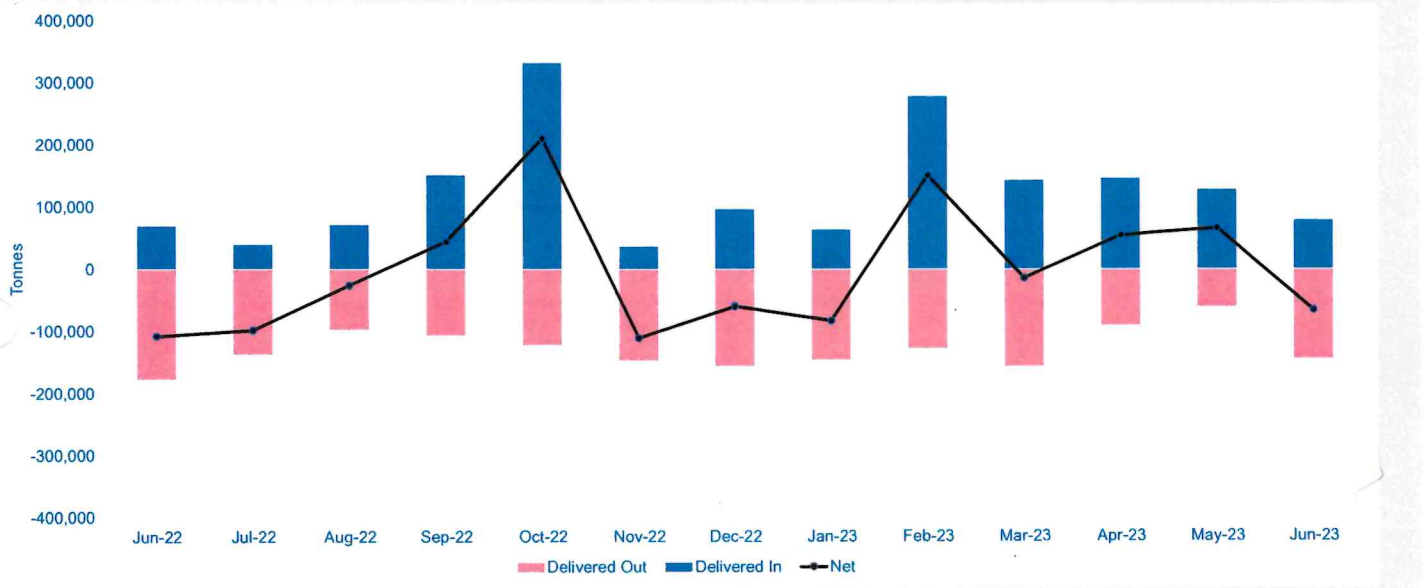
| Contract | Official Cash Settlement Price | | | | Official 3 Month Price | | | |
|---|---|---|---|---|---|---|---|---|
| | Average | Low | High | *M/M Change % | Average | Low | High | *M/M Change % |
| LME Aluminium | $2,181.07 | $2,096.50 | $2,281.00 | -3.8% | $2,220.73 | $2,141.50 | $2,289.50 | -2.2% |
| LME Aluminium Alloy | $1,951.45 | $1,950.00 | $1,955.00 | 0.1% | $2,007.00 | $2,007.00 | $2,007.00 | 0.0% |
| LME NASAAC | $2,417.27 | $2,406.00 | $2,456.00 | -4.4% | $2,448.64 | $2,440.00 | $2,500.00 | -5.7% |
| LME Copper | $8,386.23 | $8,165.50 | $8,670.50 | 1.8% | $8,392.86 | $8,175.00 | $8,668.00 | 1.5% |
| LME Lead | $2,118.36 | $1,989.00 | $2,242.00 | 1.5% | $2,081.98 | $1,991.00 | $2,164.00 | -0.4% |
| LME Nickel | $21,192.95 | $19,745.00 | $23,140.00 | -4.7% | $21,353.86 | $20,000.00 | $23,275.00 | -4.4% |
| LME Tin | $27,262.73 | $25,575.00 | $28,900.00 | 6.5% | $26,318.18 | $25,400.00 | $27,325.00 | 3.8% |
| LME Zinc | $2,368.11 | $2,271.00 | $2,485.00 | -4.4% | $2,377.05 | $2,278.00 | $2,487.00 | -4.5% |
| LME Cobalt | $29,174.09 | $29,085.00 | $30,960.00 | -12.9% | $29,609.32 | $29,525.00 | $31,380.00 | -12.7% |

* Percentage change in average price from previous month

## Warehouse stock movements (tonnes) - Jun-23

| Contract | Delivered In | Delivered Out | Net | Closing |
|---|---|---|---|---|
| LME Aluminium | 28,900 | - 65,675 | - 36,775 | 542,050 |
| Aluminium Alloy | - | - | - | 1,920 |
| NASAAC | 60 | - | 60 | 780 |
| LME Copper | 34,700 | - 64,525 | - 29,825 | 69,700 |
| LME Lead | 5,300 | - 375 | 4,925 | 41,375 |
| LME Nickel | 4,272 | - 3,450 | 822 | 38,508 |
| LME Tin | 1,805 | - 170 | 1,635 | 3,605 |
| LME Zinc | 3,775 | - 10,950 | - 7,175 | 80,275 |
| LME Cobalt | - | - 3 | - 3 | 93 |
| Total | 78,812 | - 145,148 | - 66,336 | 778,306 |

## Monthly Warehouse Stock Movements

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# LME Monthly Trading

Sep-23

## Prices - Sep-23

| Contract | Official Cash Settlement Price | | | | Official 3 Month Price | | | |
|---|---|---|---|---|---|---|---|---|
| | Average | Low | High | *M/M Change % | Average | Low | High | *M/M Change % |
| LME Aluminium | $2,177.50 | $2,132.50 | $2,307.50 | 0.0% | $2,220.31 | $2,180.00 | $2,342.00 | 0.0% |
| LME Aluminium Alloy | $1,503.57 | $1,483.00 | $1,534.00 | 0.0% | $1,554.10 | $1,535.00 | $1,580.00 | 0.0% |
| LME NASAAC | $2,329.90 | $2,272.00 | $2,392.00 | 0.0% | $2,358.10 | $2,300.00 | $2,420.00 | 0.0% |
| LME Copper | $8,270.86 | $8,017.00 | $8,515.00 | 0.0% | $8,313.29 | $8,075.00 | $8,535.00 | 0.0% |
| LME Lead | $2,252.86 | $2,181.00 | $2,314.00 | 0.0% | $2,215.60 | $2,160.50 | $2,271.00 | 0.0% |
| LME Nickel | $19,629.05 | $18,510.00 | $20,800.00 | 0.0% | $19,857.62 | $18,825.00 | $20,960.00 | 0.0% |
| LME Tin | $25,558.57 | $24,200.00 | $26,400.00 | 0.0% | $25,767.14 | $24,450.00 | $26,420.00 | 0.0% |
| LME Zinc | $2,488.14 | $2,406.00 | $2,640.50 | 0.0% | $2,513.00 | $2,430.00 | $2,650.00 | 0.0% |
| LME Cobalt | $32,982.14 | $32,970.00 | $32,990.00 | 0.0% | $33,420.00 | $33,420.00 | $33,420.00 | 0.0% |

* Percentage change in average price from previous month

## Warehouse stock movements (tonnes) - Sep-23

| Contract | Delivered In | Delivered Out | Net | Closing |
|---|---|---|---|---|
| LME Aluminium | 44,325 | - 65,950 | - 21,625 | 486,775 |
| LME Aluminium Alloy | - | - | - | 1,920 |
| LME NASAAC | - | - | - | 620 |
| LME Copper | 65,350 | - 325 | 65,025 | 169,300 |
| LME Lead | 28,000 | - 4,525 | 23,475 | 78,325 |
| LME Nickel | 5,604 | - 570 | 5,034 | 42,204 |
| LME Tin | 1,575 | - 595 | 980 | 7,350 |
| LME Zinc | 16,650 | - 67,450 | - 50,800 | 102,775 |
| LME Cobalt | - | - 1 | - 1 | 92 |
| Total | 161,504 | - 139,416 | 22,088 | 889,361 |

## Monthly Warehouse Stock Movements

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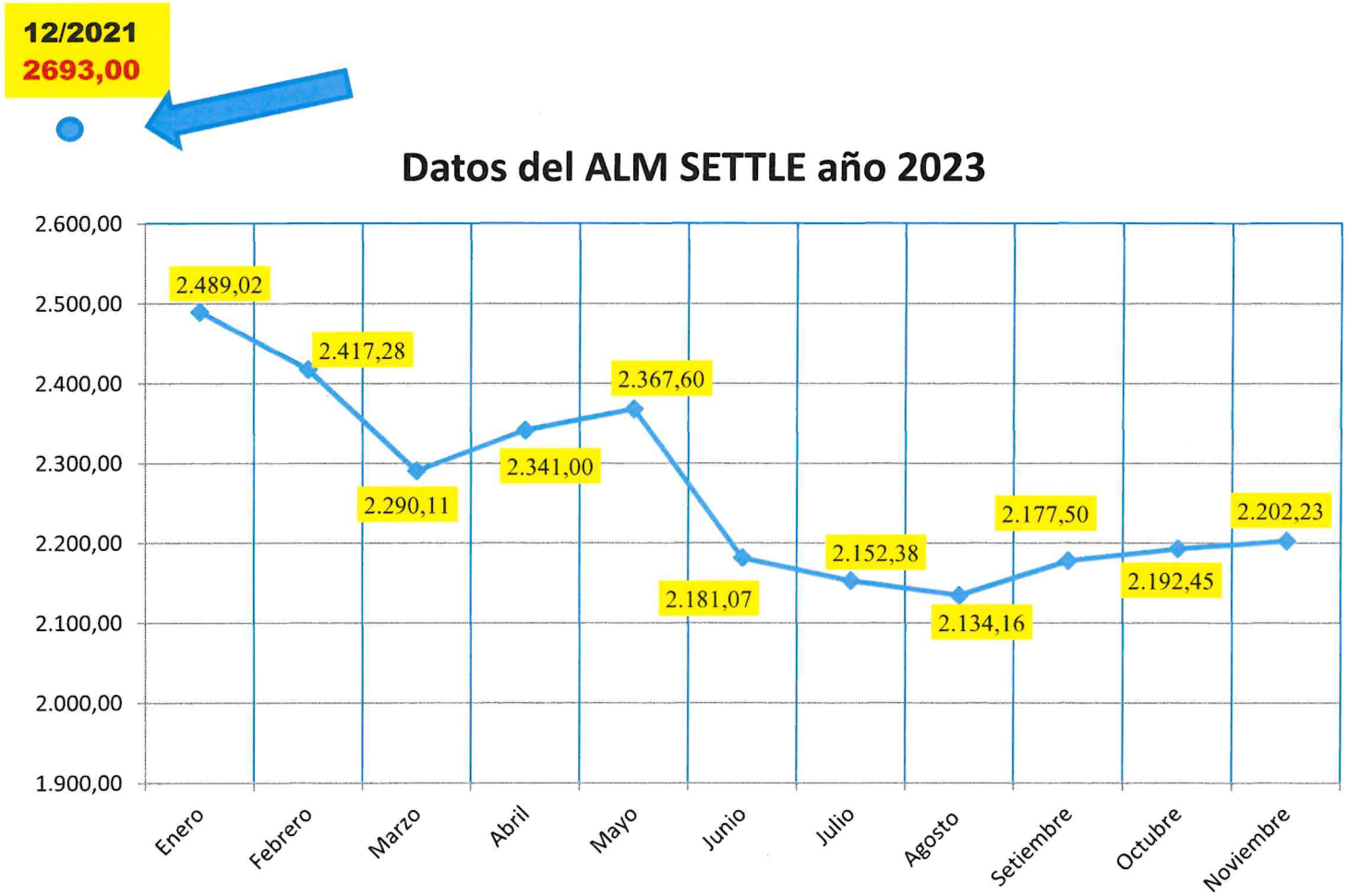
The information contained within this presentation is for illustrative and educational purposes only and should not be relied upon in making any investment decision. The past performance of any commodity, derivative or other product referred to in the presentation cannot be relied upon as a guide to its futureperformance. Whilst every effort has been made to ensure the information is up-to-date and correct, the LME cannot guarantee that it is completely accurate and free from human error. The information is published "as is" without any warranty of any kind, express or implied, as to accuracy of the information and the LME shall not be liable for any losses or damage that mayresult from use of the presentation as a consequence of any inaccuracies in, or any omissions from, the information which it may contain. The information may not be reproduced, distributed or transmitted to any other person or incorporated in any way into another publication or other material.

Variación del precio del Aluminio en el LME SETTLE desde Diciembre del 2021 a Diciembre de 2023

| Año 2021 | $Al_0$ |
|---|---|
| | 2.693,00 |
| Año 2023 | $Al_1$ |
| Enero | 2.489,02 |
| Febrero | 2.417,28 |
| Marzo | 2.290,11 |
| Abril | **2.341,00** |
| Mayo | **2.367,60** |
| Junio | **2.181,07** |
| Julio | 2.152,38 |
| Agosto | 2.134,16 |
| Setiembre | **2.177,50** |
| Octubre | 2.192,45 |
| Noviembre | 2.202,23 |



# ADMINISTRACIÓN NACIONAL DE ELECTRICIDAD

## ACTA DE LIBERACIÓN DE EMBARQUE

A los 24 días del mes de octubre del año 2023, en la Ciudad de Asunción, República del Paraguay, en la oficina D15 del Área de Inspección de Materiales y Equipos, el Ing. Víctor Ruiz Díaz; suscribe el presente Acta de Embarque, en base a los **resultados satisfactorios** expresados en los Informes de Inspección que figuran en el "Cuadro de Detalles del Embarque"

El informe de Inspección fue confeccionado el 26/07/2023 y el 17/10/2023, en la Fábrica CONDUSPAR, Conductores Elétricos LTDA sito en Rua Dr. Murici, 4000, Colonia Murici, Ciudad de San José Dos Pinhais, CEP: 83015-290, Paraná- Brasil por la **Ingeniera Sabrina Machado**, y **aprobado por la Ing. Danielle Monteiro, laboratorista y encargada del Laboratorio de Control de Calidad de la fábrica Conduspar Conductores Elétricos.**

El material inspeccionado corresponde a **33.382 m de cable protegido de 70 mm$^2$**, XLPE, 25 kV de Aluminio y **1.500 m de cable protegido de 35 mm$^2$,** XLPE, 25 kV de Aluminio, distribuidos de la siguiente manera:

Cuadro de Detalles del embarque:

| N° Fact. | N° Exped. | Fecha Exped. | 70 mm2 | Cant. de Bobi. | N° de Informe Inspección | Fecha del Info. Insp | 35 mm2 | Cant. de Bobi. | N° de Informe Inspección | Fecha del Info. Insp. | Long. Total en m | Total de Bobi. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 349 | 1000052057 | 24/10/23 | 33.382 | 16 | NF 406087 | 26/07/23 | 1.500 | 1 | OV 63225 | 17/10/23 | 1.500 | 17 |

**Corresponde a la 8 ° Entrega de la provisión del ítem 2 y 3** de la planilla de precios de materiales a ser importados, del **Contrato N° 8757/2022 Lote 6,** suscrito con el **"Consorcio PIC", de la LPI 1551/2021.**

**EL material descripto el el cuadro de mas arriba queda liberado para su embarque.**

Por la ANDE

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**Ing. Víctor Ruiz Díaz**

José Rodríguez
Recibido
24/10

# ADMINISTRACIÓN NACIONAL DE ELECTRICIDAD

## ACTA DE LIBERACIÓN DE EMBARQUE

A los 31 días del mes de Julio del año 2023, en la Ciudad de Asunción, República del Paraguay, en la oficina D15 del Área de Inspección de Materiales y Equipos, el Ing. Víctor Ruiz Díaz; suscribe el presente Acta de Embarque, en base a los **resultados satisfactorios** expresados en los Informes de Inspección que figuran en el "Cuadro de Detalles del Embarque"

La Inspección fue realizada el 26 de Junio del 2023, en la Fábrica CONDUSPAR, Conductores Elétricos LTDA sito en Rua Dr. Murici, 4000, Colonia Murici, Ciudad de San José Dos Pinhais, CEP: 83015-290, Paraná-Brasil por la **Ingeniera Sabrina Machado**, y **aprobado por la Ing. Danielle Monteiro, laboratorista y encargada del Laboratorio de Control de Calidad de la fábrica Conduspar Conductores Elétricos.**

El material inspeccionado corresponde a **91.677 m de cable protegido de 70 mm$^2$**, XLPE, 25 kV de Aluminio y **18.514 m de cable protegido de 185 mm$^2$,** XLPE, 25 kV de Aluminio, distribuidos de la siguiente manera:

Cuadro de Detalles del embarque:

| N° Factura | N° Expediente | Fecha | 70 mm2 | Cantidad de Bobinas | N° de Informe Inspección | 185 mm2 | Canti. de Bobi. | N° de Informe Inspección | Fecha de los Info. Insp. | Long. Total en m | Cant. Total de Bobinas |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 332 | 1000044724 | 11/07/2023 | 31.290 | 14 | NF 405545 | ..... | | | 26/06/2023 | 31.290 | 14 |
| 335 | | | 13.395 | 6 | NF 405636 | 9.711 | 8 | NF 405635 | 28/06/2023 | 23.106 | 14 |
| 338 | | | 15.620 | 7 | NF 405728 | 8.803 | 8 | NF 405727 | 04/07/2023 | 24.423 | 15 |
| 346 | 1000045816 | 27/072023 | 31.372 | 14 | NF 405961 | ..... | | | 20/07/2023 | 31.372 | 14 |
| **Totales** | | | **91.677** | **41** | | **18.514** | **16** | | | **110.191** | **57** |

**Corresponde a la 7° Entrega de la provisión del ítem 1 y 2** de la planilla de precios de materiales a ser importados, del **Contrato N° 8757/2022 Lote 6,** suscrito con el **"Consorcio PIC", de la LPI 1551/2021.**

**EL material descripto el el cuadro de mas arriba queda liberado para su embarque.**

Por la ANDE

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**Ing. Víctor Ruiz Díaz**

La MISIÓN DE LA ANDE es satisfacer las necesidades de energía eléctrica del país y actuar en el sector eléctrico regional, con responsabilidad social y ambiental y excelencia en la administración y el servicio, para contribuir al desarrollo del Paraguay y al bienestar de su población.

# ADMINISTRACIÓN NACIONAL DE ELECTRICIDAD

## ACTA DE LIBERACIÓN DE EMBARQUE

A los 31 días del mes de Julio del año 2023, en la Ciudad de Asunción, República del Paraguay, en la oficina D15 del Área de Inspección de Materiales y Equipos, el Ing. Víctor Ruiz Díaz; suscribe el presente Acta de Embarque, en base a los **resultados satisfactorios** expresados en los Informes de Inspección que figuran en el "Cuadro de Detalles del Embarque"

La Inspección fue realizada el 26 de Junio del 2023, en la Fábrica CONDUSPAR, Conductores Elétricos LTDA sito en Rua Dr. Murici, 4000, Colonia Murici, Ciudad de San José Dos Pinhais, CEP: 83015-290, Paraná-Brasil por la **Ingeniera Sabrina Machado**, y **aprobado por la Ing. Danielle Monteiro, laboratorista y encargada del Laboratorio de Control de Calidad de la fábrica Conduspar Conductores Elétricos.**

El material inspeccionado corresponde a **91.677 m de cable protegido de 70 mm$^2$**, XLPE, 25 kV de Aluminio y **18.514 m de cable protegido de 185 mm$^2$,** XLPE, 25 kV de Aluminio, distribuidos de la siguiente manera:

Cuadro de Detalles del embarque:

| N° Factura | N° Expediente | Fecha | 70 mm2 | Cantidad de Bobinas | N° de Informe Inspección | 185 mm2 | Canti. de Bobi. | N° de Informe Inspección | Fecha de los Info. Insp. | Long. Total en m | Cant. Total de Bobinas |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 332 | 1000044724 | 11/07/2023 | 31.290 | 14 | NF 405545 | ..... | | | 26/06/2023 | 31.290 | 14 |
| 335 | | | 13.395 | 6 | NF 405636 | 9.711 | 8 | NF 405635 | 28/06/2023 | 23.106 | 14 |
| 338 | | | 15.620 | 7 | NF 405728 | 8.803 | 8 | NF 405727 | 04/07/2023 | 24.423 | 15 |
| 346 | 1000045816 | 27/072023 | 31.372 | 14 | NF 405961 | ..... | | | 20/07/2023 | 31.372 | 14 |
| **Totales** | | | 91.677 | 41 | | 18.514 | 16 | | | 110.191 | 57 |

**Corresponde a la 7° Entrega de la provisión del ítem 1 y 2** de la planilla de precios de materiales a ser importados, del **Contrato N° 8757/2022 Lote 6,** suscrito con el **"Consorcio PIC", de la LPI 1551/2021.**

**EL material descripto el el cuadro de mas arriba queda liberado para su embarque.**

Por la ANDE

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**Ing. Víctor Ruiz Díaz**

La MISIÓN DE LA ANDE es satisfacer las necesidades de energía eléctrica del país y actuar en el sector eléctrico regional, con responsabilidad social y ambiental y excelencia en la administración y el servicio, para contribuir al desarrollo del Paraguay y al bienestar de su población.

# ADMINISTRACIÓN NACIONAL DE ELECTRICIDAD

## ACTA DE LIBERACIÓN DE EMBARQUE

A los 26 días del mes de Junio del año 2023, en la Ciudad de Asunción, República del Paraguay, en la oficina D15 del Área de Inspección de Materiales y Equipos, el Ing. Víctor Ruiz Díaz; suscribe el presente Acta de Embarque, en base a los **resultados satisfactorios** expresados en los Informes de Inspección que figuran en el "Cuadro de Detalles del Embarque"

La Inspección fue realizada en Junio del 2023, en la Fábrica CONDUSPAR, Conductores Elétricos LTDA sito en Rua Dr. Murici, 4000, Colonia Murici, Ciudad de San José Dos Pinhais, CEP: 83015-290, Paraná-Brasil por la **Ingeniera Sabrina Machado**, y **aprobado por la Ing. Danielle Monteiro, laboratorista y encargada del Laboratorio de Control de Calidad de la fábrica Conduspar Conductores Elétricos.**

El material inspeccionado corresponde a **60.341 m de cable protegido de 70 mm$^2$**, XLPE, 25 kV de Aluminio y **18.345 m de cable protegido de 185 mm$^2$,** XLPE, 25 kV de Aluminio, distribuidos de la siguiente manera:

Cuadro de Detalles del embarque:

| N° Fact. | N° Exped. | Fecha Exped. | 70 mm2 | Cant. de Bobi. | N° de Informe Inspección | 185 mm2 | Cant. de Bobi. | N° de Informe Inspección | Fecha de los Info. Insp. | Long. Total en m | Total de Bobi. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 323 | 1000042493 | 13/06/23 | 6.727 | 3 | NF 405191 | 13.456 | 11 | NF 405190 | 06/06/2023 | 20.183 | 14 |
| 324 | | | 22.399 | 10 | NF 405248 | 4.889 | 4 | NF 405247 | 09/06/2023 | 27.288 | 14 |
| 328 | 1000043396 | 26/06/23 | 31.215 | 14 | NF 405349 | ..... | | | 19/06/2023 | 31.215 | 14 |
| **Totales** | | | 60.341 | 27 | | 18.345 | 15 | | | 78.686 | 42 |

**Corresponde a la 6° Entrega de la provisión del ítem 1 y 2** de la planilla de precios de materiales a ser importados, del **Contrato N° 8757/2022 Lote 6,** suscrito con el **"Consorcio PIC", de la LPI 1551/2021.**

**EL material descripto el el cuadro de mas arriba queda liberado para su embarque.**

Por la ANDE

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**Ing. Víctor Ruiz Díaz**

ADMINISTRACIÓN NACIONAL DE ELECTRICIDAD

# ACTA DE LIBERACIÓN DE EMBARQUE

A los 05 días del mes de Junio del año 2023, en la Ciudad de Asunción, República del Paraguay, en la oficina D15 del Área de Inspección de Materiales y Equipos, el Ing. Víctor Ruiz Díaz; suscribe el presente Acta de Embarque, en base a los **resultados satisfactorios** expresados en los Informes de Inspección Números: **NF405014, NF405019 del 31/05/2023 y NF405073 del 01/06/2023 (adjuntos),** y emitidos a esta Unidad mediante los **Expedientes números: 1000041673 del 01 de junio del 2023.**

La Inspección fue realizada en Mayo del 2023, en la Fábrica CONDUSPAR, Conductores Elétricos LTDA sito en Rua Dr. Murici, 4000, Colonia Murici, Ciudad de San José Dos Pinhais, CEP: 83015-290, Paraná-Brasil por la **Ingeniera Sabrina Machado**, y **aprobado por la Ing. Danielle Monteiro, laboratorista y encargada del Laboratorio de Control de Calidad de la fábrica Conduspar Conductores Elétricos.**

El material inspeccionado corresponde a **51.277** m de **cable protegido de 185 mm$^2$, XLPE, 25 kV de Aluminio**, Factura **319/23,** distribuidos de la siguiente manera:

- **14 (Catorce) bobinas totalizando 17.100 m,**
- **14 (Catorce) bobinas totalizando 17.096 m,**
- **14 (Catorce) bobinas totalizando 17.081 m,**

**5° Entrega de la provisión del ítem 1** de la planilla de precios de materiales a ser importados, del **Contrato N° 8757/2022 Lote 6,** suscrito con el **"Consorcio PIC", de la LPI 1551/2021.**

**EL material descripto mas arriba queda liberado para su embarque.**

Por la ANDE

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**Ing. Víctor Ruiz Díaz**

ADMINISTRACIÓN NACIONAL DE ELECTRICIDAD

# ACTA DE LIBERACIÓN DE EMBARQUE

A los 30 días del mes de mayo del año 2023, en la Ciudad de Asunción, República del Paraguay, en la oficina D15 del Área de Inspección de Materiales y Equipos, el Ing. Víctor Ruiz Díaz; suscribe el presente Acta de Embarque, en base a los **resultados satisfactorios** expresados en los Informes de Inspección Números: **NF404806, NF404828, NF404849 del 25/05/2023 y NF404908 del 26/05/2023, (adjuntos)** y emitidos a esta Unidad mediante los **Expedientes números: 1000041171 del 26 de mayo del 2023 y 1000041256 del 29 de mayo del 2023.**

La Inspección fue realizada en Mayo del 2023, en la Fábrica CONDUSPAR, Conductores Elétricos LTDA sito en Rua Dr. Murici, 4000, Colonia Murici, Ciudad de San José Dos Pinhais, CEP: 83015-290, Paraná-Brasil por la **Ingeniera Sabrina Machado**, y **aprobado por la Ing. Danielle Monteiro, laboratorista y encargada del Laboratorio de Control de Calidad de la fábrica Conduspar Conductores Elétricos.**

El material inspeccionado corresponde a **68.341** m de **cable protegido de 185 mm$^2$, XLPE, 25 kV de Aluminio**, distribuidos de la siguiente manera:

- **14 (Catorce) bobinas totalizando 17.101 m,** Factura **314/23**
- **14 (Catorce) bobinas totalizando 17.113 m,** Factura **315/23**
- **14 (Catorce) bobinas totalizando 17.056 m,** Factura **317/23**
- **14 (Catorce) bobinas totalizando 17.071 m,** Factura **318/23**

**3° y 4° Entrega de la provisión del ítem 1** de la planilla de precios de materiales a ser importados, del **Contrato N° 8757/2022 Lote 6,** suscrito con el **"Consorcio PIC", de la LPI 1551/2021.**

**EL material descripto mas arriba queda liberado para su embarque.**

Por la ANDE

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**Ing. Víctor Ruiz Díaz**

# ADMINISTRACIÓN NACIONAL DE ELECTRICIDAD

## ACTA DE LIBERACIÓN DE EMBARQUE

A los 16 días del mes de mayo del año 2023, en la Ciudad de Asunción, República del Paraguay, en la oficina D15 del Área de Inspección de Materiales y Equipos, el Ing. Víctor Ruiz Díaz; suscribe el presente Acta de Embarque, en base a los **resultados satisfactorios** expresados en los Informes de Inspección (adjuntos) del 03/05/2023 y emitidos a esta Unidad mediante el **Expediente 1000039856 el 09 de mayo del 2023.**

La Inspección fue realizada en mayo del 2023, en la Fábrica CONDUSPAR, Conductores Elétricos LTDA sito en Rua Dr. Murici, 4000, Colonia Murici, Ciudad de San José Dos Pinhais, CEP: 83015-290, Paraná-Brasil por la **Ingeniera Sabrina Machado**, y **aprobado por la Ing. Danielle Monteiro, laboratorista y encargada del Laboratorio de Control de Calidad de la fábrica Conduspar Conductores Elétricos.**

El material inspeccionado fue de:

- **14 (Catorce) bobinas totalizando 17.105 m, de cable protegido de 185 mm$^2$, XLPE, 25 kV de Aluminio,**

**2° Entrega de la provisión del ítem 1** de la planilla de precios de materiales a ser importados, del **Contrato N° 8757/2022 Lote 6,** suscrito con el **"Consorcio PIC", de la LPI 1551/2021.**

**EL material descripto mas arriba queda liberado para su embarque.**

Por la ANDE

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**Ing. Víctor Ruiz Díaz**

# ADMINISTRACIÓN NACIONAL DE ELECTRICIDAD

## ACTA DE LIBERACIÓN DE EMBARQUE

A los 09 días del mes de mayo del año 2023, en la Ciudad de Asunción, República del Paraguay, en la oficina D15 del Área de Inspección de Materiales y Equipos, el Ing. Víctor Ruiz Díaz; suscribe el presente Acta de Embarque, en base a los **resultados satisfactorios** expresados en los Informes de Inspección (adjuntos) del 17/04/2023 y emitidos a esta Unidad mediante el **Expediente 1000039013 el 25 de abril del 2023.**

La Inspección fue realizada en abril del 2023, en la Fábrica CONDUSPAR, Conductores Elétricos LTDA sito en Rua Dr. Murici, 4000, Colonia Murici, Ciudad de San José Dos Pinhais, CEP: 83015-290, Paraná-Brasil por la **Ingeniera Sabrina Machado**, y **aprobado por la Ing. Danielle Monteiro, laboratorista y encargada del Laboratorio de Control de Calidad de la fábrica Conduspar Conductores Elétricos.**

El material inspeccionado fue de:

- **14 (Catorce) bobinas totalizando 17.068 m, de cable protegido de 185 mm$^2$, XLPE, 25 kV de Aluminio,**

**1° Entrega de la provisión del ítem 1** de la planilla de precios de materiales a ser importados, del **Contrato N° 8757/2022 Lote 6,** suscrito con el **"Consorcio PIC", de la LPI 1551/2021.**

**EL material descripto mas arriba queda liberado para su embarque.**

Por la ANDE

**Ing. Víctor Ruiz Díaz**