ADMINISTRACIÓN NACIONAL DE ELECTRICIDAD

ACTA DE LIBERACIÓN DE EMBARQUE

A los 30 días del mes de noviembre del año 2023, en la Ciudad de Asunción, República del Paraguay, en la oficina D15 del Área de Inspección de Materiales y Equipos (DO/AIM), el Ing. Víctor Ruiz Díaz, suscribe el presente Acta de Embarque, en base a los **resultados satisfactorios**, de la evaluación realizada, a los protocolos de ensayos, presentados por la empresa **ELECTROPAR S.A proveedor del Consorcio Metropolitano II,** a esta Unidad DO/AIM, mediante el **Expediente N° 1000054732** cuya fecha de Ingreso en mesa de entrada de la ANDE es el **24/11/2023.**

La evaluación de dichos protocolos ha sido realizada por el Ing. Victor Ruiz Diaz, entre las fechas 28 y 29/11/2023.

El Informe de inspección **N° RE-039/2023, de fecha 21/11/2023**, fue confeccionado por el **Inspector CQ Lucas Tomeli y aprobado por Rodrigo M. Lacerda Chief de Calidad e ingeniería de Procesos,** del Área de ensayos de la Fábrica Nexans Brasil – en su Planta de Rio de Janeiro.

Luego de efectuadas las evaluaciones, correspondientes a los protocolos de Ensayos, exigidas en las EE.TT. 03.24.35 – Rev. 6, perteneciente al **Contrato N° 8754/2022 de la LPI 1551/2022**, Fase II, **Lote 3, suscrito entre la ANDE y el Consorcio Metropolitano II**, y **siendo que todos los resultados de los ensayos y pruebas asentados en los protocolos, son satisfactorios**, se acepta la provisión de los materiales, **los cuales quedan liberados para su embarque** y cuyo listado se adjunta,

Obs: Los resultados de los ensayos y pruebas, asentados en los protocolos presentados, y evaluados por esta unidad (DO/AIM), son de exclusiva responsabilidad del Departamento de Control de Calidad de la Fábrica Nexans Brasil. Esta unidad (DO/AIM) se limitó a juzgar los mismos.

El material inspeccionado en esta evaluación, consiste en:

- **9 (Nueve)** carretes de cable protegido de **35 mm^2 XLPE** de Aluminio marca Nexans, totalizando **18.000 m**, provisión del ítem 3 del contrato mencionado.

Por la ANDE

Ing. Víctor Ruiz Díaz
DO/AIM

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	Yen	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

Neither the LME nor any of its directors, officers or employees shall, except in the case of fraud or wilful neglect, be under any liability whatsoever either in contract or in tort in respect of any act or omission (including negligence) in relation to the preparation or publication of the data contained in the report

LME
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LME Monthly Trading

Oct-23

Prices - Oct-23

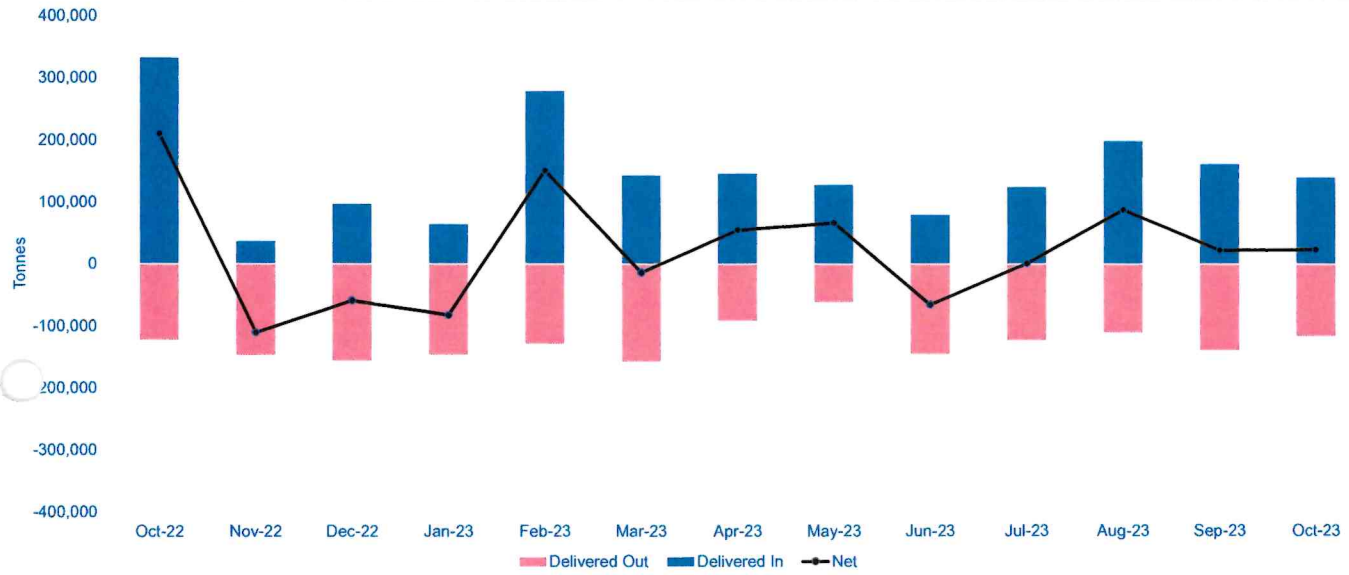
Contract	Official Cash Settlement Price				Official 3 Month Price			
	Average	Low	High	*M/M Change %	Average	Low	High	*M/M Change %
LME Aluminium	$2,192.45	$2,144.50	$2,286.50	0.7%	$2,218.52	$2,170.50	$2,317.00	-0.1%
LME Aluminium Alloy	$1,544.59	$1,535.00	$1,553.00	2.7%	$1,580.00	$1,580.00	$1,580.00	1.7%
LME NASAAC	$2,232.32	$2,186.00	$2,275.00	-4.2%	$2,252.27	$2,200.00	$2,300.00	-4.5%
LME Copper	$7,939.66	$7,812.50	$8,110.00	-4.0%	$8,015.20	$7,890.00	$8,186.00	-3.6%
LME Lead	$2,136.39	$2,067.00	$2,207.00	-5.2%	$2,105.23	$2,045.00	$2,173.50	-5.0%
LME Nickel	$18,255.23	$17,800.00	$18,610.00	-7.0%	$18,525.00	$18,060.00	$18,875.00	-6.7%
LME Tin	$24,617.73	$23,900.00	$25,450.00	-3.7%	$24,877.50	$24,200.00	$25,675.00	-3.5%
LME Zinc	$2,449.20	$2,377.00	$2,602.00	-1.6%	$2,467.02	$2,395.00	$2,618.00	-1.8%
LME Cobalt	$32,982.50	$32,975.00	$33,000.00	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) - Oct-23

Contract	Delivered In	Delivered Out	Net	Closing
LME Aluminium	29,725	- 43,800	- 14,075	472,700
LME Aluminium Alloy	-	-	-	1,920
LME NASAAC	-	-	-	620
LME Copper	31,750	- 26,650	5,100	174,400
LME Lead	52,475	- 2,450	50,025	128,350
LME Nickel	4,104	- 1,524	2,580	44,784
LME Tin	1,180	- 1,285	- 105	7,245
LME Zinc	20,050	- 40,125	- 20,075	82,700
LME Cobalt	-	-	-	92
Total	139,284	- 115,834	23,450	912,811

Monthly Warehouse Stock Movements



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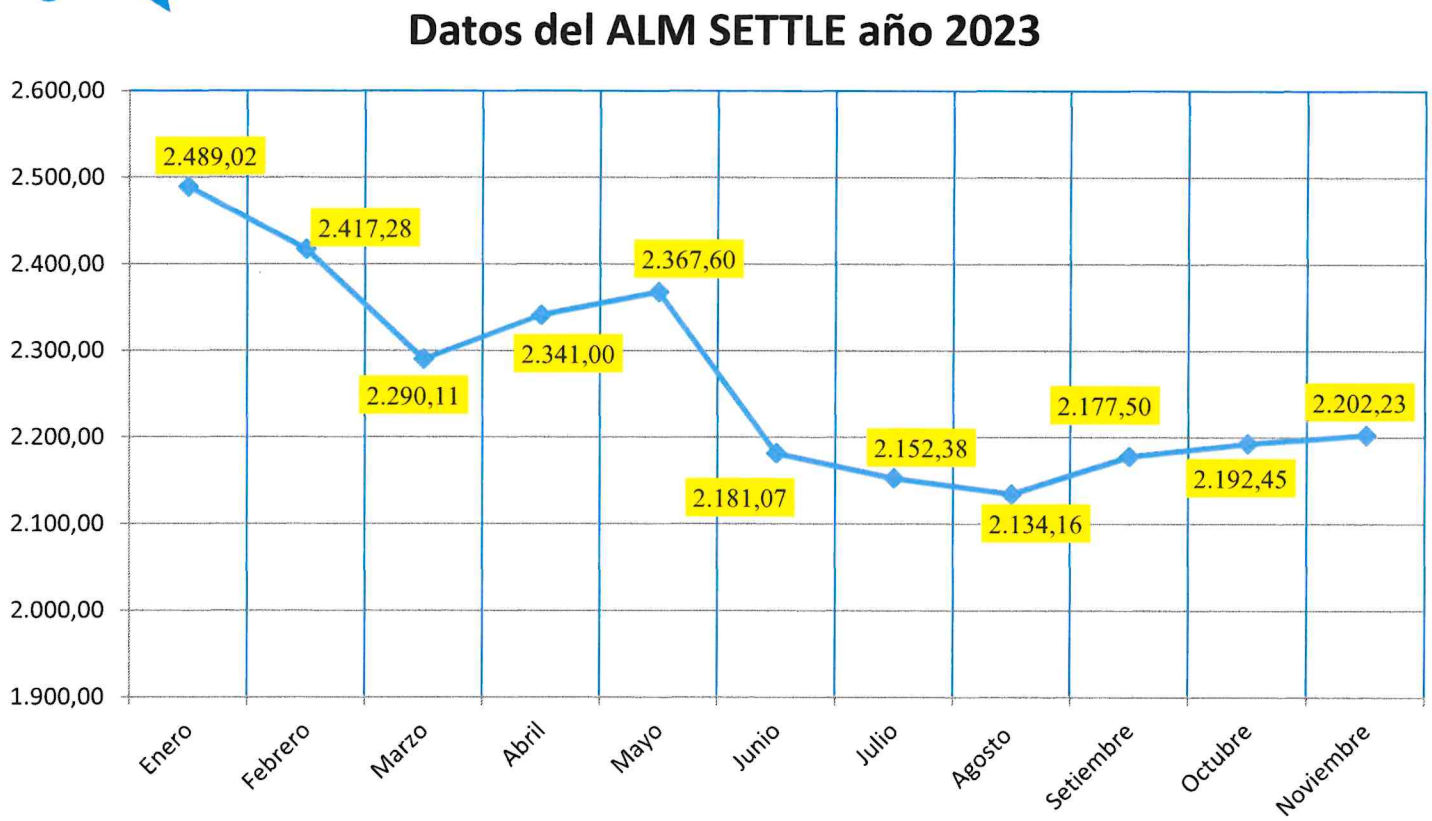
Variación del precio del Aluminio en el LME SETTLE desde Diciembre del 2021 a Diciembre de 2023

12/2021
2693,00

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