PLANILLA DE COTIZACIONES DEL AÑO 2021 DE MONEDA DOLAR AMERICANO

#	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	ND	6.920,03	ND	ND	ND	6.766,95	6.760,35	ND	6.927,40	6.915,86	6.893,87	6.824,00
2	ND	6.899,42	6.649,94	ND	ND	6.765,70	6.787,39	6.914,57	6.933,42	ND	6.878,62	6.805,34
3	ND	6.871,52	6.679,15	ND	6.618,87	6.769,00	ND	6.927,75	6.926,32	ND	6.885,94	6.813,77
4	6.923,34	6.871,24	6.669,34	ND	6.690,72	6.739,78	ND	6.945,85	ND	6.926,17	6.891,94	ND
5	6.876,55	6.863,58	6.657,39	6.375,70	6.748,04	ND	6.798,10	6.933,52	ND	6.919,92	6.883,31	ND
6	6.837,69	ND	ND	6.381,68	6.792,06	ND	6.788,81	6.935,43	6.915,50	6.912,61	ND	6.829,55
7	6.853,68	ND	ND	6.259,11	6.779,86	6.711,79	6.786,01	ND	6.909,56	6.901,02	ND	6.838,38
8	6.890,38	6.805,34	6.638,25	6.236,41	ND	6.676,82	6.801,84	ND	6.914,06	6.900,72	6.871,13	ND
9	ND	6.802,97	6.621,82	6.244,43	ND	6.704,04	6.806,74	6.912,10	6.913,10	ND	6.863,11	6.831,27
10	ND	6.783,33	6.596,10	ND	6.757,86	6.717,01	ND	6.911,31	6.906,63	ND	6.878,64	6.810,52
11	6.908,40	6.741,62	6.608,44	ND	6.666,76	6.730,19	ND	6.922,63	ND	6.900,00	6.872,85	ND
12	6.905,03	6.710,17	6.623,31	6.241,44	6.542,37	ND	6.826,86	6.930,16	ND	6.898,25	6.867,90	ND
13	6.888,93	ND	ND	6.310,48	6.679,99	ND	6.849,31	6.929,95	6.904,43	6.902,03	ND	6.801,29
14	6.870,17	ND	ND	6.420,27	ND	6.740,91	6.831,72	ND	6.892,07	6.905,00	ND	6.784,56
15	6.853,61	6.670,65	6.618,42	6.438,35	ND	6.739,17	6.839,83	ND	6.907,57	6.907,93	6.856,24	6.798,59
16	ND	6.627,28	6.599,51	6.391,27	ND	6.728,77	6.838,87	6.923,59	6.905,42	ND	6.859,41	6.795,42
17	ND	6.615,16	6.576,80	ND	6.730,88	6.745,05	ND	6.924,56	6.885,00	ND	6.852,05	6.801,66
18	6.874,89	6.648,63	6.552,83	ND	6.707,50	6.764,73	ND	6.933,75	ND	6.911,60	6.843,30	ND
19	6.907,24	6.627,46	6.538,00	6.420,09	6.709,84	ND	6.856,01	6.944,35	ND	6.919,57	6.840,76	ND
20	6.910,02	ND	ND	6.450,02	6.724,85	ND	6.880,81	6.941,31	6.871,58	6.917,19	ND	6.804,97
21	6.928,56	ND	ND	6.457,71	6.768,28	6.777,19	6.892,96	ND	6.869,93	6.912,77	ND	6.813,31
22	6.938,48	6.617,52	6.557,24	6.475,13	ND	6.789,02	6.912,55	ND	6.891,24	6.906,48	6.841,60	6.818,52
23	ND	6.606,92	6.529,83	6.509,99	ND	6.791,11	6.916,84	6.933,68	6.884,91	ND	6.825,80	6.799,69
24	ND	6.611,30	6.490,04	ND	6.728,81	6.770,62	ND	6.933,19	6.881,33	ND	6.822,14	6.804,08
25	6.942,17	6.624,67	6.462,52	ND	6.721,39	6.760,01	ND	6.936,18	ND	6.901,84	6.827,81	ND
26	6.955,93	6.620,75	6.449,27	6.456,05	6.756,13	ND	6.917,84	6.940,04	ND	6.918,84	6.831,91	ND
27	6.993,79	ND	ND	6.502,49	6.787,58	ND	6.933,98	6.925,41	ND	6.917,28	ND	6.805,07
28	6.963,90	ND	ND	6.531,82	6.781,51	6.747,53	6.930,31	ND	6.896,65	6.907,20	ND	6.832,21
29	6.950,06	ND	6.326,61	6.583,67	ND	6.752,29	6.904,76	ND	6.900,73	6.904,76	6.842,77	6.872,85
30	ND	ND	6.154,97	6.587,48	ND	6.754,47	6.917,79	6.921,56	6.913,99	ND	6.838,40	6.885,79
31	ND	ND	6.311,11	ND	6.764,76	ND	ND	6.921,13	ND	ND	ND	ND

PLANILLA DE COTIZACIONES DEL AÑO 2022 DE MONEDA DOLAR AMERICANO

#	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC
1	ND	7.037,83	6.974,39	6.924,75	ND	ND	ND	ND	ND	ND	ND	ND
2	ND	7.039,71	6.973,72	ND	ND	ND	ND	ND	ND	ND	ND	ND
3	6.906,86	6.995,06	6.990,87	ND	6.834,55	ND	ND	ND	ND	ND	ND	ND
4	6.952,73	6.984,02	6.970,09	6.913,28	6.825,28	ND	ND	ND	ND	ND	ND	ND
5	6.961,22	ND	ND	6.906,87	6.836,80	ND	ND	ND	ND	ND	ND	ND
6	6.956,22	ND	ND	6.891,93	6.846,57	ND	ND	ND	ND	ND	ND	ND
7	6.950,65	6.962,58	6.956,49	6.865,78	ND	ND	ND	ND	ND	ND	ND	ND
8	ND	6.944,19	6.966,76	6.824,18	ND	ND	ND	ND	ND	ND	ND	ND
9	ND	6.963,27	6.976,86	ND	6.870,82	ND	ND	ND	ND	ND	ND	ND
10	6.948,37	6.960,14	6.971,35	ND	6.870,27	ND	ND	ND	ND	ND	ND	ND
11	6.944,84	6.948,65	6.964,47	6.802,04	6.882,22	ND	ND	ND	ND	ND	ND	ND
12	6.961,50	ND	ND	6.823,89	6.890,18	ND	ND	ND	ND	ND	ND	ND
13	6.967,86	ND	ND	6.864,24	6.878,99	ND	ND	ND	ND	ND	ND	ND
14	6.978,85	6.956,59	6.968,90	ND	ND	ND	ND	ND	ND	ND	ND	ND
15	ND	6.946,95	6.962,03	ND	ND	ND	ND	ND	ND	ND	ND	ND
16	ND	6.939,68	6.971,26	ND	6.858,24	ND	ND	ND	ND	ND	ND	ND
17	6.972,00	6.939,02	6.969,54	ND	6.852,01	ND	ND	ND	ND	ND	ND	ND
18	6.965,99	6.961,41	6.975,19	6.858,74	6.846,49	ND	ND	ND	ND	ND	ND	ND
19	6.985,83	ND	ND	6.850,27	6.841,86	ND	ND	ND	ND	ND	ND	ND
20	7.012,00	ND	ND	6.855,17	6.834,76	ND	ND	ND	ND	ND	ND	ND
21	7.026,25	6.937,56	6.963,49	6.827,46	ND	ND	ND	ND	ND	ND	ND	ND
22	ND	6.936,62	6.963,66	6.830,04	ND	ND	ND	ND	ND	ND	ND	ND
23	ND	6.954,32	6.962,70	ND	ND	ND	ND	ND	ND	ND	ND	ND
24	7.036,97	7.023,46	6.963,91	ND	ND	ND	ND	ND	ND	ND	ND	ND
25	7.055,71	6.999,82	6.965,64	6.821,40	ND	ND	ND	ND	ND	ND	ND	ND
26	7.074,35	ND	ND	6.841,66	ND	ND	ND	ND	ND	ND	ND	ND
27	7.098,80	ND	ND	6.846,81	ND	ND	ND	ND	ND	ND	ND	ND
28	7.095,34	ND	6.970,98	6.842,25	ND	ND	ND	ND	ND	ND	ND	ND
29	ND	ND	6.961,03	6.826,70	ND	ND	ND	ND	ND	ND	ND	ND
30	ND	ND	6.953,82	ND	ND	ND	ND	ND	ND	ND	ND	ND
31	7.047,60	ND	6.930,05	ND	ND	ND	ND	ND	ND	ND	ND	ND

T&D europe

TRANSFORMER COMMODITIES INDICES

MONTHLY

STATISTICS

FOR THE PERIOD

January 2009 - February 2022

PUBLICATION DATE: 29 MARCH 2022

The indices are published monthly, usually in the last week of the month following the month of reference in compliance with EU market statistical rules (e.g. data for September 2021, is published in the last week October 2021). The indices for paper, cold steel and hot steel are lagging one month behind as these are based on data from national statistical offices, which become available after the deadline for the T&D Europe indices.

IMPORTANT
In April 2020, the December 2019 - March 2020 indices for GOES High Grade have been updated due to a change in the number of reporting organisations.

We have stopped publishing the **Aluminium and Copper indices** after December 2012, as information

TRANSFORMER COMMODITY INDICES

BASE APR 2017 = 100 [illegible], Goes High Grade, Goes Super High Grade, Mineral Oil] *The number of reporting organisations has changed and a linking factor has been applied to the series.

		GOES CONV.	GOES HIGH GRADE	GOES SUPER HIGH GRADE	MIN. OIL	PAPER	COLD STEEL	HOT STEEL
2017	FEB					109.7	123.3	121.7
	MAR					109.5	123.8	124.3
	APR	100.000	100.000	100.000	100.000	109.500	121.800	123.200
	MAY	100.163	100.000	99.378	101.734	109.665	120.519	121.335
	JUN	100.235	98.979	99.412	101.080	109.673	119.665	120.967
	JUL	105.145	98.013	100.828	98.896	110.000	119.348	120.410
	AUG	106.172	97.843	99.799	98.629	110.000	[illegible]	[illegible]
	SEP	106.435	97.843	99.317	98.286	109.999	121.160	121.245
	OCT	107.814	96.028	99.326	95.043	110.222	121.249	121.389
	NOV	107.878	96.028	99.160	95.673	110.649	121.472	119.327
	DEC	109.272	96.028	100.098	96.045	110.759	121.194	121.212
2018	JAN	109.007	95.216	99.302	100.808	111.456	124.213	125.963
	FEB	110.347	97.141	98.774	101.875	111.890	125.712	128.483
	MAR	110.663	97.139	99.916	101.427	112.269	125.992	129.341
	APR	110.378	97.047	99.745	101.371	112.588	126.281	130.752
	MAY	110.115	97.047	99.705	102.369	112.918	127.249	131.036
	JUN	110.188	97.217	100.370	102.766	113.355	127.332	130.483
	JUL	111.646	98.734	99.968	108.084	113.517	127.625	131.227
	AUG	111.985	99.572	99.947	107.179	113.407	127.902	131.029
	SEP	111.325	99.234	99.853	107.373	113.459	128.187	131.381
	OCT	111.700	99.245	100.027	110.128	113.788	126.984	131.100
	NOV	112.119	99.245	100.212	110.257	114.280	125.242	128.790
	DEC	112.228	98.229	100.636	110.368	114.335	124.156	127.591
2019	JAN	110.143	98.269	99.205	110.660	114.947	122.791	126.203
	FEB	109.353	98.268	99.425	110.470	115.582	123.407	125.984
	MAR	108.991	98.406	99.146	110.334	115.525	125.242	127.719
	APR	109.069	98.439	99.396	104.816	115.733	123.038	126.157
	MAY	109.101	98.277	99.580	104.613	115.634	122.054	124.932
	JUN	110.869	98.612	99.070	104.345	115.381	122.847	125.062
	JUL	110.695	98.541	98.539	107.540	115.480	123.374	124.758
	AUG	111.183	98.541	99.284	106.875	115.436	123.933	127.046
	SEP	111.173	98.378	99.141	106.875	115.535	124.649	126.472
	OCT	110.630	96.123	99.192	105.139	115.326	122.725	123.153
	NOV	110.641	96.123	99.559	103.939	115.183	120.119	119.640
	DEC	110.186	96.114	100.365	104.160	115.073	120.219	119.944
2020	JAN	107.583	95.845	99.427	104.881	114.876	122.949	122.709
	FEB	106.867	96.344	99.121	104.871	114.876	125.992	125.498
	MAR	106.835	96.444	99.029	102.664	114.711	124.727	124.303
	APR	107.421	97.126	99.033	100.799	115.304	121.819	121.982
	MAY	107.421	97.126	99.518	100.217	115.249	121.304	121.299
	JUN	107.431	97.126	99.039	98.019	114.996	119.805	118.740
	JUL	107.507	97.126	98.814	89.782	114.887	119.515	119.087
	AUG	107.507	97.126	99.855	85.894	114.832	120.488	120.399
	SEP	107.659	97.126	99.059	79.845	115.040	126.819	125.029
	OCT	106.857	96.406	98.549	82.089	115.194	129.359	129.172
	NOV	106.857	96.406	97.631	83.733	115.084	132.256	131.698
	DEC	106.857	96.406	97.978	84.342	115.557	139.907	139.473
2021	JAN	109.112	97.958	98.345	89.329	115.957	156.139	158.851
	FEB	109.210	97.958	98.814	89.819	116.415	164.808	169.088
	MAR	109.828	97.958	98.386	87.685	116.843	175.155	180.702
	APR	112.843	102.210	99.478	93.983	117.261	194.071	202.227
	MAY	114.176	104.566	101.028	99.100	119.064	204.531	219.761
	JUN	119.772	114.128	105.252	100.180	120.119	211.008	229.998
	JUL	147.077	138.935	131.229	104.761	121.702	231.937	249.137
	AUG	155.318	155.801	134.473	107.808	123.879	233.783	250.666
	SEP	156.294	157.508	134.718	108.279	126.198	235.651	251.891
	OCT	176.323	157.938	136.412	113.854	127.363	238.923	251.160
	NOV	176.790	159.060	137.769	115.418	130.013	240.331	251.160
	DEC	172.686	159.830	139.739	115.468	130.499	225.116	232.702
2022	JAN	182.828	168.141	154.287	127.012	132.255	225.751	233.825
	FEB	190.394	171.295	155.644	126.786			
	MAR							
	APR							
	MAY							
	JUN							
	JUL							
	AUG							
	SEP							
	OCT							
	NOV							
	DEC							
2023	JAN							
	FEB							
	MAR							
	APR							
	MAY							
	JUN							
	JUL							
	AUG							
	SEP							
	OCT							
	NOV							
	DEC							

P. Ofalcas

Meses de Entrega

set/21 → 114,176.

oct 21 → 119,772

nov/21 → 147,077

dic/21 → 155,318

Enero/22 → 156,294

feb/22 → 176,323

Mar/22 → 176,790

PPE

NEWS LETTER

23	COPPER							ALUMINUM							USD
Days	LME				LME Average			LME				LME Average			PTAX
	Cash	Variação	3 meses	Spread	Cash	3 meses	Stocks	Cash	Variação	3 meses	Spread	Cash	3 meses	Stocks	
01-Mar-22	9.976,00	0,0%	9.948,00	-28,00	9.976,00	9.948,00	72.875	3.495,50	1,3%	3.464,00	-31,50	3.495,50	3.464,00	814.275	-
02-Mar-22	10.257,50	2,8%	10.220,50	-37,00	10.116,75	10.084,25	72.075	3.605,00	3,1%	3.570,00	-35,00	3.550,25	3.517,00	809.750	5,1347
03-Mar-22	10.470,00	2,1%	10.420,00	-50,00	10.234,50	10.196,17	71.375	3.728,50	3,4%	3.704,00	-24,50	3.609,67	3.579,33	801.100	5,0479
04-Mar-22	10.466,00	0,0%	10.440,00	-26,00	10.292,38	10.257,13	69.825	3.851,00	3,3%	3.820,00	-31,00	3.670,00	3.639,50	794.150	5,0758
07-Mar-22	10.730,00	2,5%	10.720,00	-10,00	10.379,90	10.349,70	70.250	3.984,50	3,5%	3.968,00	-16,50	3.732,90	3.705,20	786.475	5,0579
08-Mar-22	10.171,00	-5,2%	10.250,50	79,50	10.345,08	10.333,17	69.600	3.500,50	-12,1%	3.516,00	15,50	3.694,17	3.673,67	779.350	5,0903
09-Mar-22	10.052,00	-1,2%	10.070,00	18,00	10.303,21	10.295,57	71.875	3.532,00	0,9%	3.535,00	3,00	3.671,00	3.653,86	771.175	5,0094
10-Mar-22	10.144,00	0,9%	10.172,00	28,00	10.283,31	10.280,13	71.900	3.535,00	0,1%	3.531,00	-4,00	3.654,00	3.638,50	762.775	5,0513
11-Mar-22	10.145,00	0,0%	10.166,00	21,00	10.267,94	10.267,44	74.200	3.472,00	-1,8%	3.500,00	28,00	3.633,78	3.623,11	755.950	5,0255
14-Mar-22	9.880,00	-2,6%	9.925,00	45,00	10.229,15	10.233,20	78.000	3.399,00	-2,1%	3.411,00	12,00	3.610,30	3.601,90	752.850	5,0647
15-Mar-22	9.826,00	-0,5%	9.865,00	39,00	10.192,50	10.199,73	77.525	3.217,50	-5,3%	3.254,00	36,50	3.574,59	3.570,27	742.200	5,1314
16-Mar-22	10.100,50	2,8%	10.121,00	20,50	10.184,83	10.193,17	77.475	3.306,00	2,8%	3.327,00	21,00	3.552,21	3.550,00	733.900	5,1287
17-Mar-22	10.166,00	0,6%	10.171,00	5,00	10.183,38	10.191,46	77.600	3.288,00	-0,5%	3.317,00	29,00	3.531,88	3.532,08	724.700	5,0764
18-Mar-22	10.249,00	0,8%	10.240,00	-9,00	10.188,07	10.194,93	79.500	3.380,50	2,8%	3.400,00	19,50	3.521,07	3.522,64	715.225	5,0411
21-Mar-22	10.173,00	-0,7%	10.191,00	18,00	10.187,07	10.194,67	80.150	3.518,00	4,1%	3.525,00	7,00	3.520,87	3.522,80	704.850	4,9666
22-Mar-22	10.342,00	1,7%	10.355,00	13,00	10.196,75	10.204,69	80.100	3.550,50	0,9%	3.550,50	0,00	3.522,72	3.524,53	695.825	4,9208
23-Mar-22	10.311,00	-0,3%	10.317,00	6,00	10.203,47	10.211,29	79.975	3.560,00	0,3%	3.560,00	0,00	3.524,91	3.526,62	689.575	4,8704
24-Mar-22	10.421,00	1,1%	10.435,00	14,00	10.215,56	10.223,72	80.675	3.664,00	2,9%	3.675,50	11,50	3.532,64	3.534,89	684.250	4,8067
25-Mar-22	10.280,00	-1,4%	10.310,00	30,00	10.218,95	10.228,26	80.600	3.583,00	-2,2%	3.590,50	7,50	3.535,29	3.537,82	678.100	4,7782
28-Mar-22	10.227,00	-0,5%	10.230,00	3,00	10.219,35	10.228,35	80.550	3.606,00	0,6%	3.616,00	10,00	3.538,83	3.541,73	671.025	4,7905
29-Mar-22	10.350,00	1,2%	10.356,00	6,00	10.225,57	10.234,43	81.500	3.583,00	-0,6%	3.608,00	25,00	3.540,93	3.544,88	663.225	4,7486
30-Mar-22	10.390,50	0,4%	10.392,00	1,50	10.233,07	10.241,59	87.925	3.508,00	-2,1%	3.527,00	19,00	3.539,43	3.544,07	654.475	4,7497
31-Mar-22															
AVERAGE	10.233,07		10.241,59				76.616	3.539,43		3.544,07				735.691	4,9794

AVERAGE				
Month	Copper	Aluminum	USD	BRL Copper
Apr.21	9.335,55	2.323,75	5,5621	51,9256
Mai.21	10.183,97	2.433,84	5,2911	53,8840
Jun.21	9.612,43	2.439,09	5,0319	48,3688
Jul.21	9.433,59	2.491,95	5,1567	48,6462
Aug.21	9.357,19	2.610,64	5,2517	49,1413
Sep.21	9.324,07	2.839,68	5,2797	49,2282
Oct.21	9.778,50	2.955,17	5,5400	54,1727
Nov.21	9.765,48	2.641,41	5,5569	54,2654
Dec.21	9.550,31	2.695,36	5,6514	53,9725
Jan.22	9.775,93	3.003,08	5,5341	54,1010
Feb.22	9.941,35	3.260,83	5,1966	51,6610
Mar.22	10.233,07	3.539,43	4,9794	50,9541
Average 22	9.983,45	3.267,78	5,2367	52,2387

Desbloqueio

AVERAGE				
Week	Copper	Aluminum	USD	BRL Copper
1ª	10.292,38	3.670,00	5,0861	52,3484
2ª	10.248,40	3.604,80	5,0469	51,7224
3ª	10.044,30	3.318,20	5,0885	51,1100
4ª	10.305,40	3.575,10	4,8685	50,1723
5ª	10.322,50	3.565,67	4,7629	49,1654

Mês anterior

PPE

A member of ASTA Group

NEWS LETTER

20	COPPER							ALUMINUM							USD
Days	LME				LME Average			LME				LME Average			PTAX
	Cash	Variação	3 meses	Spread	Cash	3 meses	Stocks	Cash	Variação	3 meses	Spread	Cash	3 meses	Stocks	
01-Feb-21	7.827,00	-1,8%	7.823,00	-4,00	7.827,00	7.823,00	74.275	1.985,50	-0,1%	1.982,50	-3,00	1.985,50	1.982,50	1.428.175	5,4609
02-Feb-21	7.755,50	-0,9%	7.747,50	-8,00	7.791,25	7.785,25	74.225	1.958,00	-1,4%	1.962,50	4,50	1.971,75	1.972,50	1.421.725	5,3875
03-Feb-21	7.832,50	1,0%	7.821,00	-11,50	7.805,00	7.797,17	75.000	1.973,00	0,8%	1.972,00	-1,00	1.972,17	1.972,33	1.425.225	5,3423
04-Feb-21	7.833,50	0,0%	7.829,50	-4,00	7.812,13	7.805,25	74.500	1.979,50	0,3%	1.984,00	4,50	1.974,00	1.975,25	1.415.125	5,3910
05-Feb-21	7.936,50	1,3%	7.928,50	-8,00	7.837,00	7.829,90	76.550	2.007,50	1,4%	2.012,00	4,50	1.980,70	1.982,60	1.406.525	5,3884
08-Feb-21	8.007,00	0,9%	7.992,00	-15,00	7.865,33	7.856,92	74.575	2.025,50	0,9%	2.027,50	2,00	1.988,17	1.990,08	1.402.625	5,3670
09-Feb-21	8.146,50	1,7%	8.132,00	-14,50	7.905,50	7.896,21	76.050	2.045,50	1,0%	2.052,00	6,50	1.996,36	1.998,93	1.395.275	5,4216
10-Feb-21	8.279,50	1,6%	8.274,00	-5,50	7.952,25	7.943,44	74.675	2.070,50	1,2%	2.073,00	2,50	2.005,63	2.008,19	1.389.975	5,4024
11-Feb-21	8.292,00	0,2%	8.289,50	-2,50	7.990,00	7.981,89	73.500	2.075,50	0,2%	2.080,50	5,00	2.013,39	2.016,22	1.384.625	5,3626
12-Feb-21	8.270,50	-0,3%	8.251,00	-19,50	8.018,05	8.008,80	74.700	2.076,00	0,0%	2.081,00	5,00	2.019,65	2.022,70	1.379.975	5,3815
15-Feb-21	8.416,50	1,8%	8.391,00	-25,50	8.054,27	8.043,55	74.250	2.079,00	0,1%	2.082,50	3,50	2.025,05	2.028,14	1.379.325	-
16-Feb-21	8.439,50	0,3%	8.419,00	-20,50	8.086,38	8.074,83	73.725	2.077,00	-0,1%	2.086,00	9,00	2.029,38	2.032,96	1.372.475	-
17-Feb-21	8.413,50	-0,3%	8.401,00	-12,50	8.111,54	8.099,92	76.175	2.096,50	0,9%	2.103,50	7,00	2.034,54	2.038,38	1.365.375	5,4138
18-Feb-21	8.650,00	2,8%	8.631,00	-19,00	8.150,00	8.137,86	76.025	2.147,00	2,4%	2.161,00	14,00	2.042,57	2.047,14	1.360.850	5,4238
19-Feb-21	8.806,50	1,8%	8.763,00	-43,50	8.193,77	8.179,53	75.700	2.135,00	-0,6%	2.150,50	15,50	2.048,73	2.054,03	1.354.150	5,3924
22-Feb-21	9.067,50	3,0%	9.033,00	-34,50	8.248,38	8.232,88	74.900	2.153,50	0,9%	2.161,50	8,00	2.055,28	2.060,75	1.349.150	5,5044
23-Feb-21	9.158,00	1,0%	9.126,00	-32,00	8.301,88	8.285,41	73.450	2.136,50	-0,8%	2.148,50	12,00	2.060,06	2.065,91	1.343.075	5,4490
24-Feb-21	9.286,00	1,4%	9.260,50	-25,50	8.356,56	8.339,58	79.700	2.145,50	0,4%	2.157,50	12,00	2.064,81	2.071,00	1.337.700	5,4182
25-Feb-21	9.614,50	3,5%	9.562,50	-52,00	8.422,76	8.403,95	78.575	2.223,00	3,6%	2.227,00	4,00	2.073,13	2.079,21	1.332.525	5,4600
26-Feb-21	9.172,50	-4,6%	9.120,50	-52,00	8.460,25	8.439,78	76.225	2.202,50	-0,9%	2.202,50	0,00	2.079,60	2.085,38	1.325.875	5,5302
AVERAGE	8.460,25		8.439,78				75.339	2.079,60		2.085,38				1.378.488	5,4165

AVERAGE				
Month	Copper	Aluminum	USD	BRL Copper
Mar.20	5.178,68	1.611,14	4,8839	25,2919
Apr.20	5.048,25	1.457,15	5,3256	26,8849
May.20	5.233,82	1.459,79	5,6434	29,5368
Jun.20	5.742,39	1.564,02	5,1966	29,8409
Jul.20	6.353,76	1.639,35	5,2802	33,5491
Aug.20	6.496,70	1.733,90	5,4612	35,4800
Sep.20	6.712,41	1.745,34	5,3995	36,2436
Oct.20	6.702,77	1.802,82	5,6258	37,7084
Nov.20	7.063,43	1.932,12	5,4178	38,2685
Dec.20	7.755,24	2.017,90	5,1456	39,9052
Jan.21	7.970,50	2.003,80	5,3562	42,6920
Feb.21	8.460,25	2.079,60	5,4165	45,8249
Average.21	8.215,38	2.041,71	5,3864	44,2584

AVERAGE				
Week	Copper	Aluminum	USD	BRL Copper
1ª	7.837,00	1.980,70	5,3940	42,2729
2ª	8.199,10	2.058,60	5,3870	44,1687
3ª	8.545,20	2.106,90	5,4100	46,2295
4ª	9.259,70	2.172,20	5,4724	50,6724

Trafosur

SGS

VALORES REFERENTES A PÉRDIDAS DECLARADAS EN LOS TRANSFORMADORES OFERTADOS

000127

ID Nro.: 384258

A: **UOC - ANDE - Administración Nacional de Electricidad.**

Nosotros, los suscritos, declaramos bajo fe de juramento que:

a) Nuestros datos son los siguientes:

Nombre o razón social: TRAFOSUR S.A.

Dirección: Avda. Molas López 2321 c/Av. Artigas

Números de teléfono: 021 296595

Dirección de correo electrónico: trafosur@trafosur.com.py

Reconocemos que la dirección de correo electrónico declarada, será el medio para la recepción de las comunicaciones, notificaciones, aclaraciones y consultas que la convocante realice durante la evaluación de ofertas, como consecuencia de los actos administrativos que resuelvan la contratación y las que se requieran para la suscripción de los contratos. Nos comprometemos en consecuencia a revisar diariamente nuestro buzón de correo electrónico. a los efectos de darnos por notificado. Entendemos que los plazos se computarán desde el día siguiente de la remisión de las comunicaciones, notificaciones, aclaraciones y consultas, sin necesidad de contar con acuse de recibo. Así mismo, nos comprometemos a mantener actualizados los datos aquí consignados. mediante la debida e inmediata notificación de los cambios eventualmente realizados.

b) El oferente deberá indicar el valor de pérdidas de los siguientes:

Ítem	Descripción del Bien	Wfe (kW)	Wtot (kW)	P_{Cu} (Kg)	P_{Al} (Kg)	P_{Tot} (Kg)
1	**Transformador monofásico de distribución de 25kVA**	0,065	0,517	-	21	21
2	**Transformador trifásico de distribución de 200kVA**	0,518	2,671	-	121	121
3	**Transformador trifásico de distribución de 315kVA**	0,693	4,616	-	141	141
4	**Transformador trifásico de distribución de 500kVA**	1,021	6,148	-	205	205
5	**Transformador trifásico de distribución de 630kVA**	0,921	7,238	-	276	276
6	**Transformador monofásico autoprotegido 37,5kVA**	0,120	0,487	-	66,5	66,5
7	**Transformador trifásico de Tipo Pedestal 150 KVA**	0,574	2,514	-	86	86

Lic. JUAN CARLOS GUANES
Director Presidente
TRAFOSUR S.A.

8	**Transformador trifásico de Tipo Pedestal 300 KVA**	0,747	4,772	-	116	116
9	**Transformador trifásico de Tipo Pedestal 500 KVA**	1,021	6,117	-	205	205

(*) Wfe = Máxima pérdida garantizada en el hierro en kW.
(*) Wtot = Máxima pérdidas totales garantizada en kW.

P_{Cu} = Peso total de las bobinas de Cobre en kg.

P_{Al} = Peso total de las bobinas de Aluminio en kg.

P_{Tot} = Peso total de las bobinas.

Firma:

Lic. JUAN CARLOS GUANES
Director Presidente
TRAFOSUR S.A.

Nombre: JUAN CARLOS GUANES CARRILLO

En calidad de: REPRESENTANTE LEGAL