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MINISTERIO DE DEFENSA NACIONAL
POLICÍA NACIONAL
OFICINA DE TECNOLOGÍAS DE LA INFORMACIÓN
Y LAS COMUNICACIONES

COLOMBIA POTENCIA DE LA VIDA

No. GS-2023- / OFTIC - GUSAP - 29.25

Bogotá D.C. 31 de octubre del 2023

Señora brigadier general
OLGA PATRICIA SALAZAR SÁNCHEZ
Directora Logística y Financiera
Carrera 59 N° 26 - 21
Bogotá D.C.

Asunto: informe descuento 1% a lista de precios del proceso PN DIRAF SA-249-2023

De manera atenta y respetuosa nos dirigimos a mi general, con el propósito de informar, que una vez realizada la apertura de sobres, el día 27/10/2023 en la sala de juntas de Área de Contratación DILOF, del proceso PN DIRAF SA-249-2023, ofertado por la empresa ABCONTROL INGENIERIA SAS, con NIT 830.108.265-1, cuyo objeto es "***MANTENIMIENTO PLANTAS ELÉCTRICAS A NIVEL NACIONAL",*** se aplicó el descuento del 1% a cada uno de los ítems relacionados en *"actividades y lista de precios base de repuestos para el mantenimiento a todo costo para plantas eléctricas a nivel nacional"*, como se relaciona en el archivo anexo.

Atentamente,

Capitán **MARICEL VILLARREAL DÍAZ**
Comité económico

Subintendente **JORGE MARIO MEJÍA VARELA**
Comité económico

Subintendente **JAVIER LAGUNA CHACÓN**
Comité económico

Anexo: lista de precios base en cuatro (4) folios

Elaborado por: SI. Jorge Mario Mejía Varela
Revisado por: CT. Maricel Villarreal Días
Revisado por: SI. Javier Laguna Chacón
Fecha de elaborado: 31/10/2023
Ubicación: mis/documentos/2023

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Humana

INFORMACIÓN PÚBLICA

GS-2023-005491-OFTIC

ACTIVIDADES Y LISTA DE REPUESTOS PARA EL MANTENIMIENTO A TODO COSTO PARA PLANTAS ELECTRICAS A NIVEL NACIONAL

MANTENIMIENTO PLANTAS ELÉCTRICAS A NIVEL NACIONAL	IVA INCLUIDO, MANO DE OBRA, TRANSPORTE, VIÁTICOS	VALOR (DTO) 1 %	VALOR INCLUIDO DTO	IVA INCLUIDO, MANO DE OBRA, TRANSPORTE, VIÁTICOS	VALOR (DTO) 1 %	VALOR INCLUIDO DTO	IVA INCLUIDO, MANO DE OBRA, TRANSPORTE, VIÁTICOS	VALOR (DTO) 1 %	VALOR INCLUIDO DTO	IVA INCLUIDO, MANO DE OBRA, TRANSPORTE, VIÁTICOS	VALOR (DTO) 1 %	VALOR INCLUIDO DTO	IVA INCLUIDO, MANO DE OBRA, TRANSPORTE, VIÁTICOS	VALOR (DTO) 1 %	VALOR INCLUIDO DTO	IVA INCLUIDO, MANO DE OBRA, TRANSPORTE, VIÁTICOS	VALOR (DTO) 1 %	VALOR INCLUIDO DTO	IVA INCLUIDO, MANO DE OBRA, TRANSPORTE, VIÁTICOS	VALOR (DTO) 1 %	VALOR INCLUIDO DTO	IVA INCLUIDO, MANO DE OBRA, TRANSPORTE, VIÁTICOS	VALOR (DTO) 1 %	VALOR INCLUIDO DTO	IVA INCLUIDO, MANO DE OBRA, TRANSPORTE, VIÁTICOS	VALOR (DTO) 1 %	VALOR INCLUIDO DTO
CAPACIDAD	0-30 kVA			31-60 kVA			61-100 kVA			101-150 kVA			151-200 kVA			201-300 kVA			301-400 kVA			401-500 kVA			501-600 kVA			601-1000 kVA		
MTTO PREVENTIVO	1.229.814,59	12.298,15	1.217.516,44	2.269.031,55	22.690,32	2.246.341,23	2.597.891,11	25.978,91	2.571.912,20	2.857.680,21	28.576,80	2.829.103,41	3.091.490,19	30.914,90	3.060.575,29	3.358.566,09	33.585,66	3.324.980,43	3.492.908,43	34.929,08	3.457.979,35	3.632.625,07	36.326,25	3.596.298,82	3.865.849,65	38.658,50	3.827.191,15	6.301.334,04	63.013,34	6.238.320,70
MOTOR	$ -			$ -			$ -			$ -			$ -			$-			$ -			$-			$ -			$ -		
Kit empaquetadura	1.701.773,39	17.017,73	1.684.755,66	2.212.305,30	22.123,05	2.190.182,25	3.303.839,25	33.038,39	3.270.800,86	3.634.222,84	36.342,23	3.597.880,61	3.931.568,29	39.315,68	3.892.252,61	4.911.902,24	49.119,02	4.862.783,22	5.601.792,38	56.017,92	5.545.774,46	6.052.834,94	60.528,35	5.992.306,59	7.269.177,45	72.691,77	7.196.485,68	8.795.704,76	87.957,05	8.707.747,71
Rectificado y Kit Pistón	5.388.948,15	53.889,48	5.335.058,67	7.657.979,69	76.579,80	7.581.399,89	11.436.365,87	114.363,66	11.322.002,21	12.580.003,34	125.800,03	12.454.203,31	13.609.276,06	136.092,76	13.473.183,30	17.002.788,85	170.027,89	16.832.711,46	18.916.383,73	189.163,84	18.727.219,89	22.090.767,48	220.907,67	21.869.859,81	25.162.536,46	251.625,36	24.910.911,10	30.446.669,06	304.466,69	30.142.202,37
Kit Anillos	623.983,32	6.239,83	617.743,49	1.418.144,31	14.181,44	1.403.962,87	2.117.845,53	21.178,46	2.096.667,07	2.329.630,08	23.296,30	2.306.333,78	2.520.236,52	25.202,37	2.495.034,15	3.148.655,50	31.486,56	3.117.168,95	3.274.601,86	32.746,02	3.241.855,84	3.405.585,80	34.055,86	3.371.529,94	4.659.728,93	46.597,29	4.613.131,64	5.638.272,54	56.382,73	5.581.889,81
Kit Levas	1.985.402,47	19.854,02	1.965.548,45	3.119.917,70	31.199,18	3.088.718,52	4.659.260,17	46.592,60	4.612.667,57	5.125.186,62	51.251,87	5.073.934,75	5.544.520,33	55.445,20	5.489.075,13	6.927.041,68	69.270,42	6.857.771,26	7.204.123,42	72.041,23	7.132.082,19	7.492.288,32	74.922,88	7.417.365,44	10.251.403,22	102.514,03	10.148.889,19	12.404.198,26	124.041,98	12.280.156,28
Correra Distribución	850.887,25	8.508,87	842.378,38	1.011.162,49	10.111,62	1.001.050,87	1.129.518,35	11.295,18	1.118.223,17	1.242.470,19	12.424,70	1.230.045,49	1.467.479,23	14.674,79	1.452.804,44	1.679.282,50	16.792,83	1.662.489,68	1.869.807,49	18.698,07	1.851.109,42	2.186.372,38	21.863,72	2.164.508,66	2.485.189,06	24.851,89	2.460.337,17	3.007.078,10	30.070,78	2.977.007,32
Soportes Anti Vibración	803.605,64	8.036,06	795.569,58	964.338,66	9.643,39	954.695,27	1.006.164,52	10.061,65	996.102,87	1.042.707,40	10.427,07	1.032.280,33	1.067.809,52	10.678,10	1.057.131,42	1.073.175,03	10.731,75	1.062.443,28	1.080.822,75	10.808,23	1.070.014,52	1.097.845,80	10.978,46	1.086.867,34	1.104.528,47	11.045,28	1.093.483,19	1.336.479,89	13.364,80	1.323.115,09
Kit Válvulas	850.887,25	8.508,87	842.378,38	1.418.144,31	14.181,44	1.403.962,87	2.117.845,53	21.178,46	2.096.667,07	2.329.630,08	23.296,30	2.306.333,78	2.520.236,52	25.202,37	2.495.034,15	3.148.655,50	31.486,56	3.117.168,95	3.397.954,59	33.979,55	3.363.975,04	3.652.292,36	36.522,92	3.615.769,44	4.659.728,93	46.597,29	4.613.131,64	5.638.272,54	56.382,73	5.581.889,81
Kit Culata	8.970.803,84	89.708,04	8.931.095,80	5.615.852,07	56.158,52	5.559.693,55	7.268.446,79	72.684,47	7.195.762,32	7.995.291,35	79.952,91	7.915.338,44	8.649.450,69	86.494,51	8.562.956,18	10.806.185,14	108.061,85	10.698.123,29	11.238.433,03	112.384,33	11.126.048,70	11.687.970,27	116.879,70	11.571.090,57	15.992.189,28	159.921,89	15.832.267,39	19.350.549,60	193.505,50	19.157.044,10
Turbo	4.254.434,02	42.544,34	4.211.889,68	5.956.206,31	59.562,06	5.896.644,25	7.115.961,20	71.159,61	7.044.801,59	7.827.557,65	78.275,58	7.749.282,07	8.097.933,62	80.979,34	8.016.954,28	8.463.585,85	84.635,86	8.378.949,99	8.802.128,84	88.021,29	8.714.107,55	9.154.214,35	91.542,14	9.062.672,21	10.020.281,49	100.202,81	9.920.078,68	12.124.540,49	121.245,40	12.003.295,09
Tapa de válvulas	1.985.402,47	19.854,02	1.965.548,45	2.779.563,46	27.795,63	2.751.767,83	4.150.977,47	41.509,77	4.109.467,70	4.566.074,66	45.660,75	4.520.413,91	4.939.662,90	49.396,63	4.890.266,27	6.171.364,66	61.713,65	6.109.651,01	6.911.632,90	69.116,33	6.842.516,57	7.415.068,38	74.150,68	7.340.917,70	9.133.069,23	91.330,69	9.041.738,54	11.051.013,84	110.510,13	10.940.503,21
Kit Reparación Turbo	2.269.031,55	22.690,32	2.246.341,23	3.176.643,96	31.766,44	3.144.877,52	4.743.973,77	47.439,74	4.696.534,03	5.465.078,70	54.650,79	5.410.427,91	6.138.743,57	61.387,44	6.077.356,13	7.052.988,03	70.529,88	6.982.458,15	8.075.228,16	80.752,28	7.994.475,88	8.862.047,34	88.620,47	8.773.426,87	10.437.792,95	104.377,93	10.333.415,02	12.629.780,00	126.297,80	12.503.432,70
SISTEMA ELECTRICO	$ -			$ -			$ -			$ -			$ -			$ -			$ -			$-			$ -			$-		
Interface motor	1.950.933,83	19.509,34	1.931.424,49	2.088.952,57	20.889,53	2.068.063,04	2.202.560,23	22.025,60	2.180.534,63	2.422.815,59	24.228,16	2.398.587,43	2.621.046,63	26.210,47	2.594.836,16	2.742.829,11	27.428,29	2.715.400,82	3.222.602,88	32.226,03	3.190.376,85	3.583.411,19	35.834,11	3.547.577,08	4.974.001,70	49.740,02	4.924.261,68	6.615.572,70	66.155,73	6.549.416,97
Sensores de temperatura	172.695,36	1.726,95	170.968,41	191.198,43	1.911,98	189.286,45	222.035,80	2.220,36	219.815,44	246.706,56	2.467,07	244.239,49	256.574,87	2.565,75	254.009,12	261.509,02	2.615,09	258.893,93	268.910,25	2.689,10	266.221,15	272.610,86	2.726,11	269.884,75	275.077,95	2.750,78	272.327,17	283.712,71	2.837,13	280.875,58
Sensores de presión	264.667,14	2.646,67	262.020,47	276.151,93	2.761,52	273.390,41	282.379,04	2.823,79	279.555,25	310.617,27	3.106,17	307.511,10	318.762,37	3.187,62	315.574,75	323.521,55	3.235,22	320.286,33	327.086,83	3.270,87	323.815,96	329.956,64	3.299,57	326.657,07	331.358,54	3.313,59	328.044,95	400.943,97	4.009,44	396.934,53
Sensores de nivel de agua	372.409,72	3.724,10	368.685,62	384.745,11	3.847,45	380.897,66	395.330,87	3.953,31	391.377,56	410.193,85	4.101,94	406.091,91	417.402,52	4.174,03	413.228,49	423.137,75	4.231,38	418.906,37	429.949,18	4.299,49	425.649,69	438.709,38	4.387,09	434.322,29	441.811,38	4.418,11	437.393,27	534.591,95	5.345,92	529.246,03
Sensor de aceite (pera)	258.958,31	2.589,58	256.368,73	270.060,16	2.700,60	267.359,56	282.379,04	2.823,79	279.555,25	310.617,27	3.106,17	307.511,10	316.295,29	3.162,95	313.132,34	323.521,55	3.235,22	320.286,33	325.853,29	3.258,53	322.594,76	328.723,10	3.287,23	325.435,87	331.358,54	3.313,59	328.044,95	400.943,97	4.009,44	396.934,53
Manómetro (medidor de aceite) digital	181.330,13	1.813,30	179.516,83	196.008,24	1.960,08	194.048,16	225.903,67	2.259,04	223.644,63	248.493,60	2.484,94	246.008,66	259.041,95	2.590,42	256.451,53	262.742,56	2.627,43	260.115,13	268.294,04	2.682,94	265.611,10	271.377,32	2.713,77	268.663,55	276.132,11	2.761,32	273.370,79	334.119,42	3.341,19	330.778,23
Manómetro (medidor de aceite)	166.650,91	1.666,51	164.984,40	182.563,67	1.825,64	180.738,03	193.664,42	1.936,64	191.727,78	222.035,80	2.220,36	219.815,44	241.942,97	2.419,43	239.523,54	259.041,95	2.590,42	256.451,53	262.742,56	2.627,43	260.115,13	268.294,04	2.682,94	265.611,10	273.844,40	2.738,44	271.105,96	308.383,48	3.083,83	305.299,65
Pick up magnético (sensor de velocidad)	488.328,21	4.883,28	483.444,93	504.364,21	5.043,64	499.320,57	508.282,70	5.082,83	503.199,87	559.110,87	5.591,11	553.519,76	604.856,33	6.048,56	598.807,77	755.677,01	7.556,77	748.120,24	785.904,75	7.859,05	778.045,70	817.340,73	8.173,41	809.167,32	1.118.335,08	11.183,35	1.107.151,73	1.353.184,93	13.531,85	1.339.653,08
Tarjeta Gobernación electrónica	3.687.175,86	36.871,76	3.650.304,10	3.970.803,84	39.708,04	3.931.095,80	3.953.312,02	39.533,12	3.913.778,90	4.348.642,90	43.486,43	4.305.156,47	4.704.441,12	47.044,41	4.657.396,71	5.877.489,84	58.774,90	5.818.714,94	6.112.589,48	61.125,89	6.051.463,59	6.357.093,06	63.570,93	6.293.522,13	8.698.160,61	86.981,61	8.611.179,00	10.524.774,45	105.247,74	10.419.526,71
Actuadores Bomba para Gobernación Electrónica	1.701.773,39	17.017,73	1.684.755,66	1.738.694,81	17.386,95	1.721.307,86	1.976.655,46	19.766,55	1.956.888,91	2.174.320,90	21.743,21	2.152.577,69	2.352.220,01	23.522,20	2.328.697,81	2.938.744,92	29.387,45	2.909.357,47	3.303.001,85	33.030,02	3.269.971,83	3.671.960,76	36.719,61	3.635.241,15	4.349.080,85	43.490,81	4.305.590,04	5.262.387,78	52.623,88	5.209.763,90
SISTEMA DE COMBUSTIBLE	$ -			$ -			$ -			$ -			$ -			$ -			$ -			$-			$ -			$-		
Carburador	441.759,67	4.417,60	437.342,07	565.895,87	5.658,96	560.236,91	604.802,41	6.048,02	598.754,39	614.299,88	6.143,00	608.156,88	623.860,08	6.238,60	617.621,48	641.685,31	6.416,85	635.268,46	649.358,34	6.493,58	642.864,76	657.598,06	6.575,98	651.022,08	662.717,08	6.627,17	656.089,91	801.887,94	8.018,88	793.869,06
Bomba de inyección	4.254.434,02	42.544,34	4.211.889,68	5.615.852,07	56.158,52	5.559.693,55	7.268.446,79	72.684,47	7.195.762,32	7.995.291,35	79.952,91	7.915.338,44	8.649.450,69	86.494,51	8.562.956,18	9.365.360,68	93.653,61	9.271.707,07	9.739.975,59	97.399,76	9.642.575,83	10.129.574,53	101.295,75	10.028.278,78	12.011.911,08	120.119,11	11.891.791,97	14.534.413,29	145.344,13	14.389.069,16
Kit Inyectores	3.970.803,84	39.708,04	3.931.095,80	6.807.093,55	68.070,94	6.739.022,61	8.810.287,62	88.102,88	8.722.135,24	9.691.261,28	96.912,61	9.594.348,67	10.484.183,23	104.841,83	10.379.341,40	12.225.178,95	122.251,79	12.102.927,16	12.714.186,11	127.141,86	12.587.044,25	13.222.753,82	132.227,54	13.090.526,28	18.092.174,36	180.921,74	17.911.252,62	21.801.530,68	218.015,31	21.672.615,37
Kit Toveras	1.815.224,79	18.152,25	1.797.072,54	3.403.546,77	34.035,47	3.369.511,30	4.405.119,37	44.051,19	4.361.068,18	4.845.631,18	48.456,31	4.797.174,87	5.242.091,06	52.420,91	5.189.670,15	6.112.589,48	61.125,89	6.051.463,59	6.850.507,28	68.505,07	6.782.002,21	7.721.558,08	77.215,58	7.644.342,50	9.046.086,63	90.460,87	8.955.625,76	10.945.765,34	109.457,65	10.836.307,69
Mangueras	317.664,17	3.176,64	314.487,53	794.160,99	7.941,61	786.219,38	1.027.860,93	10.278,61	1.017.582,32	1.130.647,36	11.306,47	1.119.340,89	1.223.155,02	12.231,55	1.210.923,47	1.426.270,69	14.262,71	1.412.007,98	1.463.321,57	14.633,22	1.448.688,35	1.789.361,21	17.893,61	1.771.467,60	2.110.753,51	21.107,54	2.089.645,97	2.554.011,91	25.540,12	2.528.471,79
Racores	204.212,77	2.042,13	202.170,64	355.123,69	3.551,24	351.572,45	385.529,69	3.855,30	381.674,39	392.912,22	3.929,12	388.983,10	398.988,58	3.989,89	394.998,69	409.690,97	4.096,91	405.594,06	416.380,25	4.163,80	412.216,45	430.074,62	4.300,75	425.773,87	441.811,38	4.418,11	437.393,27	534.591,95	5.345,92	529.246,03
Llave de paso / Selenoide	510.531,90	5.105,32	505.426,58	850.887,25	8.508,87	842.378,38	1.101.280,12	11.012,80	1.090.267,32	1.211.407,25	12.114,07	1.199.293,18	1.310.522,76	13.105,23	1.297.417,53	1.528.147,10	15.281,47	1.512.865,63	1.712.626,55	17.126,27	1.695.500,28	1.899.551,07	18.995,51	1.880.555,56	2.261.521,38	22.615,21	2.238.906,17	2.736.441,33	27.364,41	2.709.076,92
Medidor de Combustible	283.629,09	2.836,29	280.792,80	510.531,90	5.105,32	505.426,58	660.767,19	6.607,67	654.159,52	726.844,56	7.268,45	719.576,11	786.312,99	7.863,13	778.449,86	916.888,70	9.168,89	907.719,81	1.015.240,54	10.152,41	1.005.088,13	1.127.895,69	11.278,96	1.116.121,73	1.356.913,05	13.569,13	1.343.343,92	1.641.864,81	16.418,65	1.625.446,16
Tapón combustible	187.867,55	1.878,68	185.988,87	224.380,73	2.243,81	222.136,92	244.856,60	2.448,57	242.408,23	251.407,43	2.514,07	248.893,36	255.851,92	2.558,52	253.293,40	270.012,64	2.700,13	267.312,71	272.572,35	2.725,72	269.846,63	274.347,28	2.743,47	271.603,81	276.132,11	2.761,32	273.370,79	321.336,18	3.213,36	318.122,82
Tubería de alimentación de combustible	508.956,15	5.089,56	503.866,59	850.887,25	8.508,87	842.378,38	1.101.280,12	11.012,80	1.090.267,32	1.211.407,25	12.114,07	1.199.293,18	1.310.522,76	13.105,23	1.297.417,53	1.418.993,81	14.189,94	1.404.803,87	1.475.753,08	14.757,53	1.460.995,55	1.534.783,55	15.347,84	1.519.435,71	1.819.986,20	18.199,86	1.801.786,34	2.202.183,90	22.021,84	2.180.162,06
Tanque de combustible	1.985.402,47	19.854,02	1.965.548,45	2.552.659,54	25.526,60	2.527.132,94	3.303.839,25	33.038,39	3.270.800,86	3.634.222,84	36.342,23	3.597.880,61	3.931.568,29	39.315,68	3.892.252,61	4.256.981,43	42.569,81	4.214.411,62	4.550.614,17	45.506,14	4.505.108,03	4.851.058,32	48.510,58	4.802.547,74	5.459.959,68	54.599,60	5.405.360,08	6.606.551,70	66.065,52	6.540.486,18
Limpieza tanque combustible	580.070,01	5.800,70	574.269,31	702.189,21	7.021,89	695.167,32	824.309,50	8.243,10	816.066,41	906.740,90	9.067,41	897.673,49	980.928,15	9.809,28	971.118,87	1.526.499,81	15.265,00	1.511.234,81	2.204.326,36	22.043,26	2.182.283,10	3.131.303,44	31.313,03	3.099.990,41	4.579.498,33	45.794,98	4.533.703,35	6.105.997,03	61.059,97	6.044.937,06
Retiro y suministro total de refrigerante por galón	134.874,92	1.348,75	133.526,17	125.183,78	1.251,84	123.931,94	109.705,68	1.097,06	108.608,62	100.292,94	1.002,93	99.290,01	97.672,90	976,73	96.696,17	94.983,54	949,84	94.033,70	92.088,42	920,88	91.167,54	91.110,17	911,10	90.199,07	90.404,82	904,05	89.500,77	89.634,55	896,35	88.738,20
Mantenimiento preventivo del radiador lavado interno, externo, sondeo, flushing.	580.774,27	5.807,74	574.966,53	724.080,89	7.240,80	716.839,59	867.386,51	8.673,87	858.712,64	1.037.698,42	10.376,98	1.027.321,44	1.239.080,98	12.390,81	1.226.690,17	1.393.857,58	13.938,58	1.379.919,00	1.510.012,65	15.100,13	1.494.912,52	1.587.546,19	15.875,46	1.571.670,73	1.742.321,70	17.423,22	1.724.898,48	1.901.598,89	19.015,99	1.882.582,90
Mantenimiento correctivo del radiador, desmonte de paneles, sellantes internos, reparación de fugas.	774.461,79	7.744,62	766.717,17	968.005,16	9.680,05	958.325,11	1.161.548,53	11.615,49	1.149.933,04	1.471.891,13	14.718,91	1.456.677,22	1.742.321,70	17.423,22	1.724.898,48	2.129.553,69	21.295,54	2.108.258,15	2.516.784,59	25.167,85	2.491.616,74	2.903.870,23	29.038,70	2.874.831,53	3.291.101,12	32.911,01	3.258.190,11	3.871.875,89	38.718,75	3.833.156,64
SISTEMA DE ENFRIAMIENTO	$ -			$ -			$ -			$ -			$ -			$ -			$ -			$-			$ -			$-		
Bomba de agua	1.985.402,47	19.854,02	1.965.548,45	2.439.208,12	24.392,08	2.414.816,04	3.157.001,98	31.570,02	3.125.431,96	3.349.349,22	33.493,49	3.315.855,73	3.633.478,98	36.334,79	3.597.144,19	3.754.876,31	37.548,76	3.717.327,55	3.905.071,98	39.050,72	3.866.021,26	4.061.274,68	40.612,75	4.020.661,93	4.445.505,91	44.455,06	4.401.050,85	5.379.062,23	53.790,62	5.325.271,61
Electro Bomba	1.421.595,13	14.215,95	1.407.379,18	1.701.773,39	17.017,73	1.684.755,66	2.202.560,23	22.025,60	2.180.534,63	2.422.815,59	24.228,16	2.398.587,43	2.497.692,80	24.976,93	2.472.715,87	2.619.681,05	26.196,81	2.593.484,24	2.724.469,09	27.244,69	2.697.224,40	2.833.447,41	28.334,47	2.805.112,94	3.101.515,86	31.015,16	3.070.500,70	3.752.838,98	37.528,34	3.715.305,64
Radiador	1.985.402,47	19.854,02	1.965.548,45	2.269.031,55	22.690,32	2.246.341,23	2.936.745,51	29.367,46	2.907.378,05	3.230.420,06	32.304,20	3.198.115,86	3.494.727,38	34.947,27	3.459.780,11	3.783.983,85	37.839,84	3.746.144,01	4.058.697,57	40.586,98	4.018.110,59	4.339.464,54	43.394,65	4.296.069,89	4.853.297,61	48.532,98	4.804.764,63	5.872.489,66	58.724,90	5.813.764,76
Panel de radiador / sondeo y cambio elementos	1.418.144,31	14.181,44	1.403.962,87	1.645.047,13	16.450,47	1.628.596,66	2.129.141,05	21.291,41	2.107.849,64	2.342.054,60	23.420,55	2.318.634,05	2.496.671,64	24.966,72	2.471.704,92	2.743.388,11	27.433,88	2.715.954,23	2.853.123,49	28.531,23	2.824.592,26	3.090.602,17	30.906,02	3.059.696,15	3.518.641,07	35.186,41	3.483.454,66	4.257.554,73	42.575,55	4.214.979,18
Tapa radiador	110.475,95	1.104,76	109.371,19	139.705,65	1.397,06	138.308,59	179.850,10	1.798,50	178.051,60	186.510,78	1.865,11	184.645,67	200.695,91	2.006,96	198.688,95	215.363,03	2.153,63	213.209,40	239.028,03	2.390,28	236.637,75	254.510,53	2.545,11	251.965,42	331.358,54	3.313,59	328.044,95	400.943,97	4.009,44	396.934,53
Bases soporte radiador	101.643,11	1.016,43	100.626,68	132.851,31	1.328,51	131.522,80	152.711,16	1.527,11	151.184,05	182.439,33	1.824,39	180.614,94	197.735,87	1.977,36	195.758,51	219.131,86	2.191,32	216.940,54	230.235,91	2.302,36	227.933,55	240.362,80	2.403,63	237.959,17	328.737,41	3.287,37	325.450,04	388.070,50	3.880,71	384.189,80

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Guarda del ventilador	112.795,80	1.800,00	110.995,80	1.677,44	122,56	110.995,80	163.196,79	1.631,97	161.564,82	174.732,18	1.747,32	172.984,86	194.897,96	1.948,98	192.948,98	223.159,29	2.231,59	220.927,70	231.284,58	2.312,85	228.971,73	241.887,95	2.418,88	239.469,07	316.833,38	3.168,33	313.665,05	381.408,72	3.814,09	377.594,63
Ventilador o ventaviola	340.354,24	3.403,54	336.950,70	510.531,90	5.105,32	505.426,58	660.767,19	6.607,67	654.159,52	726.844,56	7.268,45	719.576,11	786.312,99	7.863,13	778.449,86	851.396,73	8.513,97	842.882,76	885.452,73	8.854,53	876.598,20	920.869,91	9.208,70	911.661,21	1.259.990,62	12.599,91	1.247.390,71	1.524.588,42	15.245,88	1.509.342,54
Correa ventilador principal	283.629,09	2.836,29	280.792,80	340.354,24	3.403,54	336.950,70	440.511,83	4.405,12	436.106,71	484.562,68	4.845,63	479.717,05	524.208,66	5.242,09	518.966,57	567.597,08	5.675,97	561.921,11	590.301,45	5.903,01	584.398,44	613.913,64	6.139,14	607.774,50	839.993,38	8.399,93	831.593,45	1.016.392,65	10.163,93	1.006.228,72
SISTEMA DE LUBRICACION	$ -			$ -			$ -			$ -			$ -			$ -			$ -			$-			$ -			$-		
Carter	2.836.288,61	28.362,89	2.807.925,72	4.538.062,01	45.380,62	4.492.681,39	5.873.492,11	58.734,92	5.814.757,19	6.460.841,32	64.608,41	6.396.232,81	6.989.455,85	69.894,56	6.919.561,29	7.567.968,81	75.679,69	7.492.289,12	7.870.687,48	78.706,87	7.791.980,61	8.185.514,84	81.855,15	8.103.659,69	9.706.595,23	97.065,95	9.609.529,28	11.744.980,42	117.449,80	11.627.530,62
Empaque de Carter	280.999,14	2.809,99	278.189,15	510.531,90	5.105,32	505.426,58	762.424,62	7.624,25	754.800,37	838.666,31	8.386,66	830.279,65	907.284,48	9.072,84	898.211,64	1.133.516,08	11.335,16	1.122.180,92	1.178.856,58	11.788,57	1.167.068,01	1.472.718,20	14.727,18	1.457.991,02	1.677.502,07	16.775,02	1.660.727,05	2.029.777,93	20.297,78	2.009.480,15
Bomba de aceite	544.568,10	5.445,68	539.122,42	794.160,99	7.941,61	786.219,38	1.185.993,72	11.859,94	1.174.133,78	1.304.592,76	13.045,93	1.291.546,83	1.411.332,89	14.113,33	1.397.219,56	1.763.246,74	17.632,47	1.745.614,27	2.080.483,95	20.804,84	2.059.679,11	2.277.188,75	22.771,89	2.254.416,86	2.609.448,51	26.094,49	2.583.354,02	3.157.432,23	31.574,32	3.125.857,91
Empaque de bomba	226.902,83	2.269,03	224.633,80	340.354,24	3.403,54	336.950,70	508.282,70	5.082,83	503.199,87	559.110,87	5.591,11	553.519,76	604.856,33	6.048,56	598.807,77	755.677,01	7.556,77	748.120,24	785.904,75	7.859,05	778.045,70	817.340,73	8.173,41	809.167,32	1.118.335,08	11.183,35	1.107.151,73	1.353.184,93	13.531,85	1.339.653,08
Válvula reguladora de presión	283.629,09	2.836,29	280.792,80	397.080,49	3.970,80	393.109,69	592.996,31	5.929,96	587.066,35	652.296,38	6.522,96	645.773,42	705.665,34	7.056,65	698.608,69	881.623,36	8.816,23	872.807,13	916.888,70	9.168,89	907.719,81	953.563,62	9.535,64	944.027,98	1.304.723,70	13.047,24	1.291.676,46	1.578.715,56	15.787,16	1.562.928,40
SISTEMA DE ARRAQUE	$ -			$ -			$ -			$ -			$ -			$ -			$ -			$-			$ -			$-		
Batería 12V 4D con aros antisulfatantes	814.749,30	8.147,49	806.601,81	814.749,30	8.147,49	806.601,81	814.749,30	8.147,49	806.601,81	1.141.981,38	11.419,81	1.130.561,57	1.141.981,38	11.419,81	1.130.561,57	1.141.981,38	11.419,81	1.130.561,57	1.159.754,89	11.597,55	1.148.157,34	1.159.754,89	11.597,55	1.148.157,34	1.159.754,89	11.597,55	1.148.157,34	1.159.754,89	11.597,55	1.148.157,34
Batería 12V 8D con aros antisulfatantes	926.261,83	9.262,62	916.999,21	926.261,83	9.262,62	916.999,21	926.261,83	9.262,62	916.999,21	1.302.119,08	13.021,19	1.289.097,89	1.302.119,08	13.021,19	1.289.097,89	1.302.119,08	13.021,19	1.289.097,89	1.380.660,59	13.806,61	1.366.853,98	1.380.660,59	13.806,61	1.366.853,98	1.380.660,59	13.806,61	1.366.853,98	1.380.660,59	13.806,61	1.366.853,98
Batería 12V 75AH con aros antisulfatantes	690.779,25	6.907,79	683.871,46	690.779,25	6.907,79	683.871,46	690.779,25	6.907,79	683.871,46	802.784,76	8.027,85	794.756,91	802.784,76	8.027,85	794.756,91	802.784,76	8.027,85	794.756,91	828.396,35	8.283,96	820.112,39	828.396,35	8.283,96	820.112,39	828.396,35	8.283,96	820.112,39	828.396,35	8.283,96	820.112,39
Batería 12V 100AH con aros antisulfatantes	1.006.195,33	10.061,95	996.133,38	1.006.195,33	10.061,95	996.133,38	1.006.195,33	10.061,95	996.133,38	1.036.168,88	10.361,69	1.025.807,19	1.036.168,88	10.361,69	1.025.807,19	1.036.168,88	10.361,69	1.025.807,19	1.049.302,05	10.493,02	1.038.809,03	1.049.302,05	10.493,02	1.038.809,03	1.049.302,05	10.493,02	1.038.809,03	1.049.302,05	10.493,02	1.038.809,03
Batería 12V 36AH con aros antisulfatantes	357.725,02	3.577,25	354.147,77	357.725,02	3.577,25	354.147,77	357.725,02	3.577,25	354.147,77	395.347,38	3.953,47	391.393,91	395.347,38	3.953,47	391.393,91	395.347,38	3.953,47	391.393,91	419.721,04	4.197,21	415.523,83	419.721,04	4.197,21	415.523,83	419.721,04	4.197,21	415.523,83	419.721,04	4.197,21	415.523,83
Cargador de batería 12V / 10A con aros antisulfatantes	497.037,81	4.970,38	492.067,43	497.037,81	4.970,38	492.067,43	497.037,81	4.970,38	492.067,43	497.037,81	4.970,38	492.067,43	497.037,81	4.970,38	492.067,43	497.037,81	4.970,38	492.067,43	497.037,81	4.970,38	492.067,43	497.037,81	4.970,38	492.067,43	497.037,81	4.970,38	492.067,43	497.037,81	4.970,38	492.067,43
Cargador de batería 24V / 10A con aros antisulfatantes	607.490,65	6.074,91	601.415,74	607.490,65	6.074,91	601.415,74	607.490,65	6.074,91	601.415,74	607.490,65	6.074,91	601.415,74	607.490,65	6.074,91	601.415,74	607.490,65	6.074,91	601.415,74	607.490,65	6.074,91	601.415,74	607.490,65	6.074,91	601.415,74	607.490,65	6.074,91	601.415,74	607.490,65	6.074,91	601.415,74
Soporte baterías	220.905,70	2.209,06	218.696,64	220.905,70	2.209,06	218.696,64	220.905,70	2.209,06	218.696,64	220.905,70	2.209,06	218.696,64	220.905,70	2.209,06	218.696,64	220.905,70	2.209,06	218.696,64	220.905,70	2.209,06	218.696,64	220.905,70	2.209,06	218.696,64	220.905,70	2.209,06	218.696,64	220.905,70	2.209,06	218.696,64
Cables de batería con bornes y terminales con aros antisulfatantes	195.761,76	1.957,62	193.804,14	195.761,76	1.957,62	193.804,14	195.761,76	1.957,62	193.804,14	195.761,76	1.957,62	193.804,14	195.761,76	1.957,62	193.804,14	195.761,76	1.957,62	193.804,14	195.761,76	1.957,62	193.804,14	195.761,76	1.957,62	193.804,14	195.761,76	1.957,62	193.804,14	195.761,76	1.957,62	193.804,14
Embobinado motor de arranque con aros antisulfatantes	311.220,28	3.112,20	308.108,08	453.806,75	4.538,07	449.268,68	677.711,02	6.777,11	670.933,91	745.481,89	7.454,82	738.027,07	806.475,46	8.064,75	798.410,71	925.151,53	9.251,52	915.900,01	1.010.866,49	10.108,66	1.000.757,83	1.126.793,78	11.267,94	1.115.525,84	1.491.113,43	14.911,13	1.476.202,30	1.804.247,30	18.042,47	1.786.204,83
Escobillas motor de arranque con aros antisulfatantes	194.897,96	1.948,98	192.948,98	283.629,09	2.836,29	280.792,80	423.569,10	4.235,69	419.333,41	465.926,45	4.659,26	461.267,19	504.047,30	5.040,47	499.006,83	629.731,76	6.297,32	623.434,44	704.262,34	7.042,62	697.219,72	779.799,78	7.798,00	772.001,78	931.945,35	9.319,45	922.625,90	1.127.654,28	11.276,54	1.116.377,74
Vendix motor de arranque con aros antisulfatantes	142.226,64	1.422,27	140.804,37	182.563,67	1.825,64	180.738,03	261.139,29	2.611,39	258.527,90	335.466,30	3.354,66	332.111,64	362.914,45	3.629,14	359.285,31	422.856,05	4.228,56	418.627,49	484.779,46	4.847,79	479.931,67	567.426,53	5.674,27	561.752,26	641.437,72	6.414,38	635.023,34	795.630,01	7.956,30	787.673,71
Rodamientos o bujes motor de arranque con aros antisulfatantes	101.026,90	1.010,27	100.016,63	136.141,47	1.361,41	134.780,06	203.313,74	2.033,14	201.280,60	223.644,56	2.236,45	221.408,11	241.942,97	2.419,43	239.523,54	302.270,81	3.022,71	299.248,10	363.703,44	3.637,03	360.066,41	388.612,99	3.886,13	384.726,86	447.334,25	4.473,34	442.860,91	541.274,63	5.412,75	535.861,88
Automático del arranque (selenoide auxiliar de arranque) con aros antisulfatantes	146.729,44	1.467,29	145.262,15	204.212,77	2.042,13	202.170,64	271.377,32	2.713,77	268.663,55	335.466,30	3.354,66	332.111,64	375.249,84	3.752,50	371.497,34	453.406,20	4.534,06	448.872,14	471.542,86	4.715,43	466.827,43	539.746,18	5.397,46	534.348,72	671.000,82	6.710,01	664.290,81	811.911,40	8.119,11	803.792,29
Precalentadores	1.116.348,87	11.163,49	1.105.185,38	1.531.595,72	15.315,96	1.516.279,76	2.287.272,73	22.872,73	2.264.400,00	2.516.000,01	25.160,00	2.490.840,01	2.845.208,38	28.452,08	2.816.756,30	3.400.548,21	34.005,48	3.366.542,73	3.659.923,57	36.599,24	3.623.324,33	4.294.799,66	42.948,00	4.251.851,66	5.032.507,30	50.325,07	4.982.182,23	6.089.333,81	60.893,34	6.028.440,47
Alternador	1.105.616,76	11.056,17	1.094.560,59	1.304.692,89	13.046,93	1.291.645,96	1.948.418,33	19.484,18	1.928.934,15	2.143.260,16	21.432,60	2.121.827,56	2.318.617,37	23.186,17	2.295.431,20	2.896.762,80	28.967,63	2.867.795,17	3.382.694,36	33.826,94	3.348.867,42	3.749.905,85	37.499,06	3.712.406,79	4.286.950,57	42.869,51	4.244.081,06	5.187.210,16	51.872,10	5.135.338,06
Relay de arranque (Selenoide de encendido)	121.577,80	1.215,78	120.362,02	170.844,51	1.708,45	169.136,06	265.086,40	2.650,86	262.435,54	303.394,31	3.033,94	300.360,37	362.914,45	3.629,14	359.285,31	431.737,31	4.317,37	427.419,94	484.779,46	4.847,79	479.931,67	527.459,22	5.274,59	522.184,63	598.511,47	5.985,11	592.526,36	743.574,92	7.435,75	736.139,17
Motor de Arranque 12v	1.057.139,03	10.571,39	1.046.567,64	1.517.247,72	15.172,48	1.502.075,24	2.220.362,36	22.203,62	2.198.158,74	2.703.264,54	27.032,65	2.676.231,89	2.934.532,63	29.345,33	2.905.187,30	3.157.849,28	31.578,49	3.126.270,79	3.443.424,95	34.434,25	3.408.990,70	3.581.161,99	35.811,62	3.545.350,37	4.008.988,50	40.089,89	3.968.898,62	4.995.815,86	49.958,16	4.945.857,70
Motor de Arranque 24v	1.295.211,92	12.952,12	1.282.259,80	2.072.338,87	20.723,39	2.051.615,48	2.654.936,47	26.549,36	2.628.387,11	2.898.806,23	28.988,06	2.869.818,17	3.356.262,97	33.562,63	3.322.700,34	3.515.574,28	35.155,74	3.480.418,54	3.836.959,98	38.369,60	3.798.590,38	3.990.438,12	39.904,38	3.950.533,74	4.255.695,07	42.556,95	4.213.138,12	5.304.199,33	53.041,99	5.251.157,34
Tarjeta de arranque automático AUTOSTART	1.122.516,56	11.225,17	1.111.291,39	2.212.305,30	22.123,05	2.190.182,25	2.863.327,42	28.633,27	2.834.694,15	3.149.660,17	31.496,60	3.118.163,57	3.407.359,63	34.073,60	3.373.286,03	3.689.384,34	36.893,84	3.652.490,50	3.836.959,98	38.369,60	3.798.590,38	3.990.438,12	39.904,38	3.950.533,74	4.731.965,20	47.319,65	4.684.645,55	5.725.677,69	57.256,78	5.668.420,91
CONDICIONES GENERALES DE OPERACION	$ -			$ -			$ -			$ -			$ -			$ -			$ -			$-			$ -			$-		
Ductería de admisión y escape	1.356.887,75	13.568,88	1.343.318,87	1.758.773,65	17.587,74	1.741.185,91	2.442.399,26	24.423,99	2.417.975,27	2.826.617,28	28.266,17	2.798.351,11	3.057.886,46	30.578,86	3.027.307,60	3.310.986,28	33.109,86	3.277.876,42	3.443.424,95	34.434,25	3.408.990,70	3.581.161,99	35.811,62	3.545.350,37	4.246.635,55	42.466,36	4.204.169,19	5.138.428,73	51.384,29	5.087.044,44
Exhosto	1.228.106,78	12.281,07	1.215.825,71	1.701.773,39	17.017,73	1.684.755,66	2.202.560,23	22.025,60	2.180.534,63	2.422.815,59	24.228,16	2.398.587,43	2.621.046,63	26.210,47	2.594.836,16	2.837.987,62	28.379,88	2.809.607,74	3.074.861,08	30.748,61	3.044.112,47	3.316.274,77	33.162,75	3.283.112,02	3.639.973,48	36.399,73	3.603.573,75	4.404.367,79	44.043,68	4.360.324,11
Cabina Insonorizada Chapas (4)	505.749,61	5.057,50	500.692,11	678.443,87	6.784,44	671.659,43	740.120,78	7.401,21	732.719,57	789.462,32	7.894,62	781.567,70	838.803,85	8.388,04	830.415,81	894.313,08	8.943,13	885.369,95	937.486,92	9.374,87	928.112,05	974.491,97	9.744,92	964.747,05	1.005.120,25	10.051,20	995.069,05	1.216.196,14	12.161,96	1.204.034,18
Cabina Insonorizada pintura y arreglo puertas	2.836.288,61	28.362,89	2.807.925,72	4.254.434,02	42.544,34	4.211.889,68	5.506.398,38	55.063,98	5.451.334,40	6.057.038,44	60.570,38	5.996.468,06	6.552.614,93	65.526,15	6.487.088,78	7.094.970,15	70.949,70	7.024.020,45	7.502.122,52	75.021,23	7.427.101,29	8.290.686,92	82.906,87	8.207.780,05	9.099.933,16	90.999,33	9.008.933,83	11.010.918,39	110.109,18	10.900.809,21
Cabina Insonorizada	6.523.464,47	65.234,64	6.458.229,83	9.785.196,16	97.851,96	9.687.344,20	14.613.135,26	146.131,35	14.467.003,91	16.074.447,90	160.744,48	15.913.703,42	18.623.164,73	186.231,65	18.436.933,08	21.725.722,67	217.257,23	21.508.465,44	25.061.820,97	250.618,21	24.811.202,76	28.432.680,63	284.326,81	28.148.353,82	32.152.129,86	321.521,30	31.830.608,56	38.904.077,31	389.040,77	38.515.036,54
GENERADOR	$ -			$ -			$ -			$ -			$ -			$ -			$ -			$-			$ -			$-		
Inducido principal ESTATOR	2.312.877,73	23.128,78	2.289.748,95	3.119.917,70	31.199,18	3.088.718,52	4.038.025,62	40.380,26	3.997.645,36	4.441.828,40	44.418,28	4.397.410,12	4.805.250,14	48.052,50	4.757.197,64	5.202.977,66	52.029,78	5.150.947,88	5.781.157,21	57.811,57	5.723.345,64	6.120.954,65	61.209,55	6.059.745,10	6.673.283,81	66.732,84	6.606.550,97	8.074.673,55	80.746,74	7.993.926,81
Inducido principal ROTOR	2.097.009,63	20.970,10	2.076.039,53	2.836.288,61	28.362,89	2.807.925,72	3.670.931,89	36.709,32	3.634.222,57	4.038.025,62	40.380,26	3.997.645,36	4.368.409,22	43.684,09	4.324.725,13	4.729.980,09	47.299,80	4.682.680,29	5.042.532,95	50.425,33	4.992.107,62	5.486.007,03	54.860,07	5.431.146,96	6.066.621,74	60.666,22	6.005.955,52	7.340.612,62	73.406,13	7.267.206,49
Excitatriz	1.147.187,33	11.471,87	1.135.715,46	1.418.144,31	14.181,44	1.403.962,87	1.835.466,49	18.354,66	1.817.111,83	2.019.012,81	20.190,13	1.998.822,68	2.184.204,61	21.842,05	2.162.362,56	2.364.990,05	23.649,90	2.341.340,15	2.582.943,40	25.829,43	2.557.113,97	2.804.679,89	28.046,80	2.776.633,09	3.033.311,42	30.333,11	3.002.978,31	3.670.306,86	36.703,07	3.633.603,79
Corona de Diodos	801.797,70	8.017,98	793.779,72	1.184.515,22	11.845,15	1.123.170,07	1.468.372,76	14.683,73	1.453.689,03	1.615.210,03	16.152,10	1.599.057,93	1.747.363,68	17.473,64	1.729.890,04	1.891.992,48	18.919,92	1.873.072,56	2.091.024,60	20.910,25	2.070.114,35	2.221.540,88	22.215,41	2.199.325,47	2.426.648,26	24.266,48	2.402.381,78	2.936.244,83	29.362,45	2.906.882,38
Escobillas Generador	271.377,32	2.713,77	268.663,55	510.531,90	5.105,32	505.426,58	660.767,19	6.607,67	654.159,52	726.844,56	7.268,45	719.576,11	786.312,99	7.863,13	778.449,86	851.396,73	8.513,97	842.882,76	885.452,73	8.854,53	876.598,20	982.546,83	9.825,47	972.721,36	1.091.991,72	10.919,92	1.081.071,80	1.321.309,90	13.213,10	1.308.096,80
Tarjeta AVR	863.474,61	8.634,75	854.839,86	1.295.211,92	12.952,12	1.282.259,80	1.703.017,93	17.030,18	1.685.987,75	1.850.301,97	18.503,02	1.831.798,95	2.220.362,36	22.203,62	2.198.158,74	2.728.834,33	27.288,34	2.701.545,99	3.084.695,26	30.846,95	3.053.848,33	3.568.275,31	35.682,75	3.532.592,56	3.947.311,59	39.473,12	3.907.838,47	4.687.432,38	46.874,32	4.640.558,06
Tarjeta de excitación	1.357.874,79	13.578,75	1.344.296,04	1.928.676,21	19.286,76	1.909.389,45	2.496.233,68	24.962,34	2.471.271,34	2.745.857,38	27.458,57	2.718.398,81	2.970.518,71	29.705,19	2.940.813,52	3.216.386,77	32.163,87	3.184.222,90	3.468.396,12	34.683,96	3.433.712,16	3.725.550,89	37.255,51	3.688.295,38	4.125.303,14	41.253,03	4.084.050,11	4.991.616,76	49.916,17	4.941.700,59
Puente rectificador trifásico rotativo o Puente diodos rectificador	838.803,85	8.388,04	830.415,81	1.077.790,06	10.777,90	1.067.012,16	1.394.954,66	13.949,55	1.381.005,11	1.534.450,14	15.344,50	1.519.105,64	1.659.995,95	16.599,96	1.643.395,99	1.797.392,96	17.973,93	1.779.419,03	1.869.288,11	18.692,88	1.850.595,23	2.067.413,51	20.674,14	2.046.739,37	2.305.316,94	23.053,17	2.282.263,77	2.789.432,86	27.894,33	2.761.538,53

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Regulador de voltaje estático	518.084,99	5.180,85	512.904,14	850.887,23	8.508,87	842.378,38	1.101.280,12	11.012,80	1.090.267,32	1.211.407,25	12.114,07	1.199.293,18	1.310.522,76	13.105,23	1.297.417,53	1.418.993,81	14.189,94	1.404.803,87	1.475.753,08	14.757,53	1.460.995,55	1.584.125,09	15.841,25	1.568.283,84	1.819.986,20	18.199,86	1.801.786,34	2.202.183,90	22.021,84	2.180.162,06
Caja de conexiones	690.779,25	6.907,79	683.871,46	1.077.790,06	10.777,90	1.067.012,16	1.394.954,66	13.949,55	1.381.005,11	1.534.450,14	15.344,50	1.519.105,64	1.659.995,95	16.599,96	1.643.395,99	1.797.392,96	17.973,93	1.779.419,03	1.869.288,11	18.692,88	1.850.595,23	2.067.413,51	20.674,14	2.046.739,37	2.305.316,94	23.053,17	2.282.263,77	2.789.432,86	27.894,33	2.761.538,53
Circuito de excitación del alternador (excitatriz)	382.395,78	3.823,96	378.571,82	510.531,90	5.105,32	505.426,58	660.767,19	6.607,67	654.159,52	726.644,56	7.268,45	719.376,11	786.312,99	7.863,13	778.449,86	851.896,73	8.513,97	842.882,76	885.452,73	8.854,53	876.598,20	970.211,44	9.702,11	960.509,33	1.091.991,72	10.919,92	1.081.071,80	1.321.309,90	13.213,10	1.308.096,80
Módulo o tarjeta control GRUPO GENERADOR	1.037.279,18	10.372,79	1.026.906,39	1.985.402,47	19.854,02	1.965.548,45	2.964.983,75	29.649,84	2.935.333,91	3.261.481,90	32.614,82	3.228.867,08	3.775.037,67	37.750,38	3.737.287,29	4.408.117,93	44.081,18	4.364.036,75	4.831.148,94	48.311,49	4.782.837,45	5.261.233,46	52.612,33	5.208.621,13	6.523.620,73	65.236,21	6.458.384,52	7.893.581,11	78.935,81	7.814.645,30
Tablero de control ANALOGO con switch de encendido e instrumentación	801.797,70	8.017,98	793.779,72	1.134.515,22	11.345,15	1.123.170,07	1.694.276,42	16.942,76	1.677.333,66	1.863.703,63	18.637,04	1.845.066,59	2.016.189,21	20.161,89	1.996.027,32	2.518.924,84	25.189,25	2.493.735,59	2.989.741,44	29.897,41	2.959.844,03	3.402.912,95	34.029,13	3.368.883,82	3.727.783,58	37.277,84	3.690.505,74	4.510.618,25	45.106,18	4.465.512,07
Tablero de control DIGITAL con switch de encendido e instrumentación	1.480.241,58	14.802,42	1.465.439,16	2.269.031,55	22.690,32	2.246.341,23	3.388.552,85	33.885,53	3.354.667,32	3.850.762,18	38.507,62	3.812.254,56	4.525.791,54	45.257,92	4.480.533,62	5.037.848,59	50.378,49	4.987.470,10	5.732.776,32	57.327,76	5.675.448,56	6.189.057,85	61.890,58	6.127.167,27	7.455.566,07	74.555,66	7.381.010,41	9.021.235,40	90.212,35	8.931.023,05
TRANSFERENCIA - TABLEROS	$ -			$ -			$ -			$ -			$ -			$ -			$ -			$-			$ -			$-		
Descargadores de sobretensión, tipo 1 4P Tensión Nominal 250 V onda 10/350 us	8.771.215,56	87.712,16	8.683.503,40	8.771.215,56	87.712,16	8.683.503,40	8.771.215,56	87.712,16	8.683.503,40	8.771.215,56	87.712,16	8.683.503,40	8.771.215,56	87.712,16	8.683.503,40	8.771.215,56	87.712,16	8.683.503,40	8.771.215,56	87.712,16	8.683.503,40	8.771.215,56	87.712,16	8.683.503,40	8.771.215,56	87.712,16	8.683.503,40	8.771.215,56	87.712,16	8.683.503,40
Descargadores de sobretensión, tipo 1 + 2 4P Tensión Nominal 250 V onda 10/350 us	9.468.289,05	94.682,89	9.373.606,16	9.468.289,05	94.682,89	9.373.606,16	9.468.289,05	94.682,89	9.373.606,16	9.468.289,05	94.682,89	9.373.606,16	9.468.289,05	94.682,89	9.373.606,16	9.468.289,05	94.682,89	9.373.606,16	9.468.289,05	94.682,89	9.373.606,16	9.468.289,05	94.682,89	9.373.606,16	9.468.289,05	94.682,89	9.373.606,16	9.468.289,05	94.682,89	9.373.606,16
Descargadores de sobretensión, tipo 2, 250V, 25KA por polo, Onda 8/20 us	4.947.798,09	49.477,98	4.898.320,11	4.947.798,09	49.477,98	4.898.320,11	4.947.798,09	49.477,98	4.898.320,11	4.947.798,09	49.477,98	4.898.320,11	4.947.798,09	49.477,98	4.898.320,11	4.947.798,09	49.477,98	4.898.320,11	4.947.798,09	49.477,98	4.898.320,11	4.947.798,09	49.477,98	4.898.320,11	4.947.798,09	49.477,98	4.898.320,11	4.947.798,09	49.477,98	4.898.320,11
Gabinete Metálico. IP54 Fabricado en lámina de Acero CR calibre 14-16 ICC 20 kA Dimensiones 800x600x300 mm equipo 30 kVA. Dimensiones 1000x600x300 mm equipo 60 kVA. Dimensiones 1600x600x450 mm equipo 100 kVA. Dimensiones1800x1000x500 mm equipo 150 kVA. Dimensiones 1800x1000x600 mm equipo 200 kVA. Dimensiones 1800x1600x600 mm equipo 300-500 kVA. Dimensiones 2000x2000x1000 mm equipo 600 kVA.	814.791,12	8.147,91	806.643,21	896.270,67	8.962,71	887.307,96	1.928.291,07	19.282,91	1.909.008,16	2.024.706,24	20.247,06	2.004.459,18	2.206.928,78	22.069,29	2.184.859,49	2.883.427,17	28.834,27	2.854.592,90	4.416.055,05	44.160,55	4.371.894,50	5.526.566,35	55.265,66	5.471.300,69	6.832.654,53	68.326,55	6.764.327,98	9.355.916,02	93.559,16	9.262.356,86
Interruptor termomagnetico automático red y/o planta Siemens, ABB, Schneider Electric y/o Equivalente Ir=70A-100A Equipo 30 kVA.ICC 20 kA Ir=140A-200A Equipo 60 kVA.ICC 25 kA Ir=220A-320A Equipo 100 kVA.ICC 25 kA Ir=350A-500A Equipo 150 kVA. ICC 25 kA Ir=440A-630A Equipo 200 kVA.ICC 25 kA Ir 1000A Equipo de 300 kVA ICC 25 kA Ir 1400A Equipo de 400 kVA.ICC 25 kA Ir 1600A Equipo de 500 kVA.ICC 25 kA Ir 2000A Equipo de 600 kVA.ICC 25 kA	969.093,45	9.690,93	959.402,52	1.378.556,64	13.785,57	1.364.771,07	2.180.265,21	21.802,65	2.158.462,56	2.615.680,03	26.156,80	2.589.523,23	3.335.844,12	33.358,44	3.302.485,68	6.784.440,91	67.844,41	6.716.596,50	8.388.036,31	83.880,36	8.304.155,95	9.910.891,62	99.108,92	9.811.782,70	18.317.991,10	183.179,91	18.134.811,19	20.802.563,94	208.025,64	20.594.538,30
ACCIONAMIENTO MOTOR 110-230 V AC / 110-250 V DC Y ACCESORIOS, BOBINAS DE DISPARO Y CIERRE DONDE APLIQUE	915.085,16	9.150,85	905.934,31	1.061.498,78	10.614,99	1.050.883,79	1.960.048,36	19.600,48	1.940.447,88	2.135.198,70	21.351,99	2.113.846,71	2.415.824,82	24.158,25	2.391.666,57	3.170.184,65	31.701,85	3.138.482,80	3.404.553,84	34.045,56	3.370.510,28	3.725.274,70	37.252,75	3.688.021,95	5.156.175,84	51.561,76	5.104.614,08	6.414.380,51	64.143,81	6.350.236,70

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Accesorio para interruptor accionamiento de motor y activación eléctrica motor AC 220-240V, DC 220-250V ACTIV. AC 220-240V, DC 220-250V	N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			2.356.315,67	23.563,16	2.332.752,51
Accesorio para interruptor automático, disparador a emisión de corriente. para 1er y 2o disp. auxiliar. F1, F2 y electroimán de liberación y tensión asignada de alimentación mando AC 50/60HZ 220-240V DC 220-250V	N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			350.861,87	3.508,62	347.353,25
Accesorio para interruptor automático, enclavamiento mecánico mutuo para un interruptor automático a montaje fijo	N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			1.229.934,54	12.299,35	1.217.635,19
Accesorios para interruptor de montaje fijo, conector de intensidad auxiliar para interruptor de montaje fijo.	N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			456.408,07	4.564,08	451.843,99
CONTACTORES METASOL LG/LS, Siemens, ABB, Schneider Electric y/o Equivalente AC3 90A/220V Equipo 30 kVA AC3 150A220V Equipo 60 kVA	611.079,03	6.110,79	604.968,24	927.561,39	9.275,61	918.285,78	N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A		
ENCLAVAMIENTO CONTACTOR METASOL MC 6-MC150 y/o Equivalente	49.821,30	498,21	49.323,09	49.821,30	498,21	49.323,09	N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A			N/A		
ENCLAVAMIENTO POSTERIOR CON VARILLA Y ACCESORIOS y/o Equivalente Sistema de montaje lateral para enclavamiento donde aplique. Enclavamiento mecánico con cable Bowden donde aplique.	854.079,48	8.540,79	845.538,69	927.286,29	9.272,86	918.013,43	997.102,80	9.971,03	987.131,77	1.037.096,51	10.370,97	1.026.725,54	1.122.504,46	11.225,04	1.111.279,42	1.284.392,88	12.843,93	1.271.548,95	1.475.060,93	14.750,61	1.460.310,32	1.499.304,74	14.993,05	1.484.311,69	3.157.849,28	31.578,49	3.126.270,79	3.564.915,82	35.649,16	3.529.266,66
MINI 3X6A 10kA UNIDAD	23.658,41	236,58	23.421,83	23.658,41	236,58	23.421,83	23.658,41	236,58	23.421,83	23.658,41	236,58	23.421,83	23.658,41	236,58	23.421,83	23.658,41	236,58	23.421,83	23.658,41	236,58	23.421,83	23.658,41	236,58	23.421,83	23.658,41	236,58	23.421,83	23.658,41	236,58	23.421,83
Pulsador rojo iluminado 220V, rasante sin retención +1 NA UNIDAD	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75
Pulsador verde iluminado 220V, rasante sin retención +1NA	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75	56.834,09	568,34	56.265,75
Piloto amarillo 22 mm 220 VAC UNIDAD	7.499,17	74,99	7.424,18	7.499,17	74,99	7.424,18	7.499,17	74,99	7.424,18	7.499,17	74,99	7.424,18	7.499,17	74,99	7.424,18	7.499,17	74,99	7.424,18	7.499,17	74,99	7.424,18	7.499,17	74,99	7.424,18	7.499,17	74,99	7.424,18	7.499,17	74,99	7.424,18
Selector de dos posiciones con retención 1 NA+1 NC UNIDAD	97.616,78	976,17	96.640,61	97.616,78	976,17	96.640,61	97.616,78	976,17	96.640,61	97.616,78	976,17	96.640,61	97.616,78	976,17	96.640,61	97.616,78	976,17	96.640,61	97.616,78	976,17	96.640,61	97.616,78	976,17	96.640,61	97.616,78	976,17	96.640,61	97.616,78	976,17	96.640,61
Bloque de contactos NA para A22NN UNIDAD	32.632,09	326,32	32.305,77	32.632,09	326,32	32.305,77	32.632,09	326,32	32.305,77	32.632,09	326,32	32.305,77	32.632,09	326,32	32.305,77	32.632,09	326,32	32.305,77	32.632,09	326,32	32.305,77	32.632,09	326,32	32.305,77	32.632,09	326,32	32.305,77	32.632,09	326,32	32.305,77
Bloque de contactos NC UNIDAD	12.194,54	121,95	12.072,59	12.194,54	121,95	12.072,59	12.194,54	121,95	12.072,59	12.194,54	121,95	12.072,59	12.194,54	121,95	12.072,59	12.194,54	121,95	12.072,59	12.194,54	121,95	12.072,59	12.194,54	121,95	12.072,59	12.194,54	121,95	12.072,59	12.194,54	121,95	12.072,59
Freno bornas Phoenix CLIPFIX 35-5 y/o Equivalente	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11
Tapa final borna de paso Phoenix D-TS 2,5 y/o Equivalente	3.872,27	38,72	3.833,55	3.872,27	38,72	3.833,55	3.872,27	38,72	3.833,55	3.872,27	38,72	3.833,55	3.872,27	38,72	3.833,55	3.872,27	38,72	3.833,55	3.872,27	38,72	3.833,55	3.872,27	38,72	3.833,55	3.872,27	38,72	3.833,55	3.872,27	38,72	3.833,55
Puente enchufable 4 polos borna Phoenix FBS 4-5 y/o Equivalente	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11	6.292,03	62,92	6.229,11

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Suministro instalación y puesta en servicio de ductería tipo EMT 1xØ1/1/4", Incluye accesorios curvos, terminales, conectores, amarres.	89.430,98	894,31	88.536,67	89.430,98	894,31	88.536,67	89.430,98	894,31	88.536,67	89.430,98	894,31	88.536,67	89.430,98	894,31	88.536,67	89.430,98	894,31	88.536,67	89.430,98	894,31	88.536,67	89.430,98	894,31	88.536,67	89.430,98	894,31	88.536,67	89.430,98	894,31	88.536,67	89.430,98	894,31	88.536,67
Suministro instalación y puesta en servicio de ductería tipo EMT 1xØ1/1/2", Incluye accesorios curvos, terminales, conectores, amarres.	102.845,84	1.028,46	101.817,38	102.845,84	1.028,46	101.817,38	102.845,84	1.028,46	101.817,38	102.845,84	1.028,46	101.817,38	102.845,84	1.028,46	101.817,38	102.845,84	1.028,46	101.817,38	102.845,84	1.028,46	101.817,38	102.845,84	1.028,46	101.817,38	102.845,84	1.028,46	101.817,38	102.845,84	1.028,46	101.817,38	102.845,84	1.028,46	101.817,38
Suministro instalación y puesta en servicio de ductería tipo EMT 1xØ2", Incluye accesorios curvos, terminales, conectores, amarres.	118.273,32	1.182,73	117.090,59	118.273,32	1.182,73	117.090,59	118.273,32	1.182,73	117.090,59	118.273,32	1.182,73	117.090,59	118.273,32	1.182,73	117.090,59	118.273,32	1.182,73	117.090,59	118.273,32	1.182,73	117.090,59	118.273,32	1.182,73	117.090,59	118.273,32	1.182,73	117.090,59	118.273,32	1.182,73	117.090,59	118.273,32	1.182,73	117.090,59
Suministro instalación y puesta en servicio de ductería tipo EMT 1xØ3", Incluye accesorios curvos, terminales, conectores, amarres.	143.110,25	1.431,10	141.679,15	143.110,25	1.431,10	141.679,15	143.110,25	1.431,10	141.679,15	143.110,25	1.431,10	141.679,15	143.110,25	1.431,10	141.679,15	143.110,25	1.431,10	141.679,15	143.110,25	1.431,10	141.679,15	143.110,25	1.431,10	141.679,15	143.110,25	1.431,10	141.679,15	143.110,25	1.431,10	141.679,15	143.110,25	1.431,10	141.679,15
TUBERIA PVC 3 ML	$ -			$ -			$ -			$ -			$ -			$ -			$ -			$-			$ -			$-					
Suministro instalación y puesta en servicio de ductería tipo PVC 1xØ1/2", Incluye accesorios curvos, terminales, conectores, amarres.	22.920,04	229,20	22.690,84	22.920,04	229,20	22.690,84	22.920,04	229,20	22.690,84	22.920,04	229,20	22.690,84	22.920,04	229,20	22.690,84	22.920,04	229,20	22.690,84	22.920,04	229,20	22.690,84	22.920,04	229,20	22.690,84	22.920,04	229,20	22.690,84	22.920,04	229,20	22.690,84	22.920,04	229,20	22.690,84
Suministro instalación y puesta en servicio de ductería tipo PVC 1xØ3/4", Incluye accesorios curvas, terminales, conectores, amarres.	28.446,21	284,46	28.161,75	28.446,21	284,46	28.161,75	28.446,21	284,46	28.161,75	28.446,21	284,46	28.161,75	28.446,21	284,46	28.161,75	28.446,21	284,46	28.161,75	28.446,21	284,46	28.161,75	28.446,21	284,46	28.161,75	28.446,21	284,46	28.161,75	28.446,21	284,46	28.161,75	28.446,21	284,46	28.161,75
Suministro instalación y puesta en servicio de ductería tipo EMT 1xØ1", Incluye accesorios curvos, terminales, conectores, amarres.	33.700,57	337,01	33.363,56	33.700,57	337,01	33.363,56	33.700,57	337,01	33.363,56	33.700,57	337,01	33.363,56	33.700,57	337,01	33.363,56	33.700,57	337,01	33.363,56	33.700,57	337,01	33.363,56	33.700,57	337,01	33.363,56	33.700,57	337,01	33.363,56	33.700,57	337,01	33.363,56	33.700,57	337,01	33.363,56
Suministro instalación y puesta en servicio de ductería tipo PVC 1xØ1/1/4", Incluye accesorios curvos, terminales, conectores, amarres.	39.498,54	394,99	39.103,55	39.498,54	394,99	39.103,55	39.498,54	394,99	39.103,55	39.498,54	394,99	39.103,55	39.498,54	394,99	39.103,55	39.498,54	394,99	39.103,55	39.498,54	394,99	39.103,55	39.498,54	394,99	39.103,55	39.498,54	394,99	39.103,55	39.498,54	394,99	39.103,55	39.498,54	394,99	39.103,55
Suministro instalación y puesta en servicio de ductería tipo PVC 1xØ1/1/2", Incluye accesorios curvos, terminales, conectores, amarres.	46.655,48	466,55	46.188,93	46.655,48	466,55	46.188,93	46.655,48	466,55	46.188,93	46.655,48	466,55	46.188,93	46.655,48	466,55	46.188,93	46.655,48	466,55	46.188,93	46.655,48	466,55	46.188,93	46.655,48	466,55	46.188,93	46.655,48	466,55	46.188,93	46.655,48	466,55	46.188,93	46.655,48	466,55	46.188,93
Suministro instalación y puesta en servicio de ductería tipo PVC 1xØ2", Incluye accesorios curvos, terminales, conectores, amarres.	56.802,18	568,02	56.234,16	56.802,18	568,02	56.234,16	56.802,18	568,02	56.234,16	56.802,18	568,02	56.234,16	56.802,18	568,02	56.234,16	56.802,18	568,02	56.234,16	56.802,18	568,02	56.234,16	56.802,18	568,02	56.234,16	56.802,18	568,02	56.234,16	56.802,18	568,02	56.234,16	56.802,18	568,02	56.234,16
Suministro instalación y puesta en servicio de ductería tipo PVC 1xØ3", Incluye accesorios curvos, terminales, conectores, amarres.	83.617,62	836,18	82.781,44	83.617,62	836,18	82.781,44	83.617,62	836,18	82.781,44	83.617,62	836,18	82.781,44	83.617,62	836,18	82.781,44	83.617,62	836,18	82.781,44	83.617,62	836,18	82.781,44	83.617,62	836,18	82.781,44	83.617,62	836,18	82.781,44	83.617,62	836,18	82.781,44	83.617,62	836,18	82.781,44

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Suministro instalación y puesta en servicio de ductería tipo PVC 1x(4", Incluye accesorios curvos, terminales, conectores, amarres.	112.517,18	1.125,17	111.392,01	112.517,18	1.125,17	111.392,01	112.517,18	1.125,17	111.392,01	112.517,18	1.125,17	111.392,01	112.517,18	1.125,17	111.392,01	112.517,18	1.125,17	111.392,01	112.517,18	1.125,17	111.392,01	112.517,18	1.125,17	111.392,01	112.517,18	1.125,17	111.392,01	112.517,18	1.125,17	111.392,01
Suministro instalación y puesta en servicio de bandeja porta cable tipo cablofil electrozincada de 400*35*3000, incluye uniones, fijadores a estructura, puentes equipotenciales y demás elementos necesarios para su correcta instalación.	184.337,50	1.843,38	182.494,13	184.337,50	1.843,38	182.494,13	184.337,50	1.843,38	182.494,13	184.337,50	1.843,38	182.494,13	184.337,50	1.843,38	182.494,13	184.337,50	1.843,38	182.494,13	184.337,50	1.843,38	182.494,13	184.337,50	1.843,38	182.494,13	184.337,50	1.843,38	182.494,13	184.337,50	1.843,38	182.494,13
Suministro instalación y puesta en servicio de bandeja porta cable tipo cablofil electrozincada de 300*35*3000, incluye uniones, fijadores a estructura, puentes equipotenciales y demás elementos necesarios para su correcta instalación.	127.960,07	1.279,60	126.680,47	127.960,07	1.279,60	126.680,47	127.960,07	1.279,60	126.680,47	127.960,07	1.279,60	126.680,47	127.960,07	1.279,60	126.680,47	127.960,07	1.279,60	126.680,47	127.960,07	1.279,60	126.680,47	127.960,07	1.279,60	126.680,47	127.960,07	1.279,60	126.680,47	127.960,07	1.279,60	126.680,47
EQUIPOS Y ELEMENTOS DE MEDIA TENSIÓN 11400/13200V		0,00	0,00		0,00	0,00		0,00	0,00		0,00	0,00		0,00	0,00		0,00	0,00		0,00	0,00		0,00	0,00		0,00	0,00		0,00	0,00
Celda de remonte	N/A			N/A			N/A			N/A			N/A			N/A			9.317.284,59	93.172,85	9.224.111,74	9.317.284,59	93.172,85	9.224.111,74	9.317.284,59	93.172,85	9.224.111,74	9.317.284,59	93.172,85	9.224.111,74
Celda dúplex	N/A			N/A			N/A			N/A			N/A			N/A			27.850.311,90	278.503,12	27.571.808,78	27.850.311,90	278.503,12	27.571.808,78	27.850.311,90	278.503,12	27.571.808,78	27.850.311,90	278.503,12	27.571.808,78
Celda tríplex	N/A			N/A			N/A			N/A			N/A			N/A			38.818.282,03	388.182,82	38.430.099,21	38.818.282,03	388.182,82	38.430.099,21	38.818.282,03	388.182,82	38.430.099,21	38.818.282,03	388.182,82	38.430.099,21
Celda seccionadora de línea	N/A			N/A			N/A			N/A			N/A			N/A			32.258.114,02	322.581,14	31.935.532,88	32.258.114,02	322.581,14	31.935.532,88	32.258.114,02	322.581,14	31.935.532,88	32.258.114,02	322.581,14	31.935.532,88
Celda interruptor de potencia y acople	N/A			N/A			N/A			N/A			N/A			N/A			81.821.451,17	818.214,51	81.003.236,66	81.821.451,17	818.214,51	81.003.236,66	81.821.451,17	818.214,51	81.003.236,66	81.821.451,17	818.214,51	81.003.236,66
Celda Interruptor de potencia	N/A			N/A			N/A			N/A			N/A			N/A			53.184.561,08	531.845,61	52.652.715,47	53.184.561,08	531.845,61	52.652.715,47	53.184.561,08	531.845,61	52.652.715,47	53.184.561,08	531.845,61	52.652.715,47
Celda protección trasformador 300-630 kVA	N/A			N/A			N/A			N/A			N/A			N/A			30.167.995,04	301.679,95	29.866.315,09	30.167.995,04	301.679,95	29.866.315,09	30.167.995,04	301.679,95	29.866.315,09	30.167.995,04	301.679,95	29.866.315,09
Celda de medida de facturación 630A, 20kA, 17,5kV.	N/A			N/A			N/A			N/A			N/A			N/A			38.316.675,40	383.166,75	37.933.508,65	38.316.675,40	383.166,75	37.933.508,65	38.316.675,40	383.166,75	37.933.508,65	38.316.675,40	383.166,75	37.933.508,65
Suministro equipos diseño y parametrización sistema de control, operación, supervisión y protección de celdas en MT.	N/A			N/A			N/A			N/A			N/A			N/A			48.677.394,76	486.773,95	48.190.620,81	48.677.394,76	486.773,95	48.190.620,81	48.677.394,76	486.773,95	48.190.620,81	48.677.394,76	486.773,95	48.190.620,81
Suministro e instalación de terminal premoldeado tipo interior 15 kV con todos sus accesorios.	N/A			N/A			N/A			N/A			N/A			N/A			890.030,36	8.900,30	881.130,06	890.030,36	8.900,30	881.130,06	890.030,36	8.900,30	881.130,06	890.030,36	8.900,30	881.130,06
Pruebas VLF cable xlpe 15 kv	N/A			N/A			N/A			N/A			N/A			N/A			1.707.383,18	17.073,83	1.690.309,35	1.707.383,18	17.073,83	1.690.309,35	1.707.383,18	17.073,83	1.690.309,35	1.707.383,18	17.073,83	1.690.309,35
SIPS de cable de Cobre 3 X No. 2/0 AWG XLPE (Aislamiento en polietileno reticulado), 15KV, 90 °C, nivel de aislamiento 133%, pantalla semiconductora en polietileno, pantalla metálica en hilos de cobre, chaqueta exterior en PVC retardante a la llama, resistente a la abrasio, al calor y a la humedad, incluye terminales premoldeados tipo interior por metro lineal	N/A			N/A			N/A			N/A			N/A			N/A			329.451,57	3.294,52	326.157,05	329.451,57	3.294,52	326.157,05	329.451,57	3.294,52	326.157,05	329.451,57	3.294,52	326.157,05

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