Obra
Execução da Modernização da Fábrica de Rações Principal da Embrapa Suínos e Aves

BDI = 30,38%

PLANILHA ORÇAMENTÁRIA SINTÉTICA

Item	Descrição		Und	Quant.	Valor Unit	Valor Unit			Total			Valor Unit. com BDI			Total com BDI			FORNECEDOR
						M. O.	MAT.	Total	M. O.	MAT.	Total	M. O.	MAT.	Total	M. O.	MAT.	Total	
1	Execução da Modernização da Fábrica de Rações Principal da Embrapa Suínos e Aves																	
1.1	INFRAESTRUTURA ELÉTRICA	ESPECIFICAÇÃO / MODELO																TRITEC EQUIPAMENTOS LTDA – MZ CONTATO: (51) 997043078
1.1.1	Eletrocalha metálica tipo U	150x100 mm com tampa, aço galvanizado	UNIDADE	28	142.00	0.00	142.00	142.00	0.00	3.976.00	3.976.00	0.00	185.14	185.14	0.00	5.183.91	5.183.91	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.2	Eletrocalha metálica tipo U	100x50 mm com tampa, aço galvanizado	M	10	38.73	0.00	38.73	38.73	0.00	387.30	387.30	0.00	50.50	50.50	0.00	504.96	504.96	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.3	Conexões e curvas para eletrocalha	Padrão	UNIDADE	20	32.27	0.00	32.27	32.27	0.00	645.40	645.40	0.00	42.07	42.07	0.00	841.47	841.47	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.4	Suportes tipo mão francesa	200 mm	UNIDADE	35	10.13	0.00	10.13	10.13	0.00	354.55	354.55	0.00	13.21	13.21	0.00	462.26	462.26	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.5	Perfilado metálico liso com tampa	38x38 mm	UNIDADE	6	112.00	0.00	112.00	112.00	0.00	672.00	672.00	0.00	146.03	146.03	0.00	876.15	876.15	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.6	Curvas e conexões para perfilado	38x38 mm	UNIDADE	10	6.07	0.00	6.07	6.07	0.00	60.70	60.70	0.00	7.91	7.91	0.00	79.14	79.14	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.7	Suportes tipo mão francesa	200 mm	UNIDADE	20	10.13	0.00	10.13	10.13	0.00	202.60	202.60	0.00	13.21	13.21	0.00	264.15	264.15	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.8	Eletroduto rígido PVC antichama tipo pesado	3/4"	M	150	12.20	0.00	12.20	12.20	0.00	1.830.00	1.830.00	0.00	15.91	15.91	0.00	2.385.95	2.385.95	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.9	Eletroduto rígido PVC antichama tipo pesado	1"	M	50	17.67	0.00	17.67	17.67	0.00	883.50	883.50	0.00	23.04	23.04	0.00	1.151.91	1.151.91	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.10	Cabo PP flexível	4x2.5mm²	M	450	9.80	0.00	9.80	9.80	0.00	4.410.00	4.410.00	0.00	12.78	12.78	0.00	5.749.76	5.749.76	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.11	Cabo PP flexível	6x2.5 mm²	M	100	20.41	0.00	20.41	20.41	0.00	2.041.00	2.041.00	0.00	26.61	26.61	0.00	2.661.06	2.661.06	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.12	Cabo PP flexível	4x6.0 mm²	M	125	20.41	0.00	20.41	20.41	0.00	2.551.25	2.551.25	0.00	26.61	26.61	0.00	3.326.32	3.326.32	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.13	Cabo Unipolar flexível 750V	25mm	M	360	19.74	0.00	19.74	19.74	0.00	7.106.40	7.106.40	0.00	25.74	25.74	0.00	9.265.32	9.265.32	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.14	Cabo PP flexível	4x1mm²	M	700	5.23	0.00	5.23	5.23	0.00	3.661.00	3.661.00	0.00	6.82	6.82	0.00	4.773.21	4.773.21	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.15	Cabo PP flexível	6x1mm²	M	100	8.61	0.00	8.61	8.61	0.00	861.00	861.00	0.00	11.23	11.23	0.00	1.122.57	1.122.57	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.16	Cabo PP flexível	2x1mm²	M	150	2.99	0.00	2.99	2.99	0.00	448.50	448.50	0.00	3.90	3.90	0.00	584.75	584.75	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.17	Cabo Unipolar flexível 750V	Cabo multipolar 22 AWG 6 vias (3 pares)	M	50	7.37	0.00	7.37	7.37	0.00	368.50	368.50	0.00	9.61	9.61	0.00	480.45	480.45	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.18	Cabo Rede profinet	Rede PROFINET	M	150	3.08	0.00	3.08	3.08	0.00	462.00	462.00	0.00	4.02	4.02	0.00	602.36	602.36	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.19	Disjuntor Geral	630 A – DWP630L (WEG) / 1DJG01	UNIDADE	1	2.560.00	0.00	2.560.00	2.560.00	0.00	2.560.00	2.560.00	0.00	3.337.73	3.337.73	0.00	3.337.73	3.337.73	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.20	Disjuntor Banco Cap	160 A – DWP250L (WEG) / 1DJ02	UNIDADE	1	549.00	0.00	549.00	549.00	0.00	549.00	549.00	0.00	715.79	715.79	0.00	715.79	715.79	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.21	Disjuntor proteção DPS	100 A – DWP125L (WEG) / 1DJ01	UNIDADE	1	338.00	0.00	338.00	338.00	0.00	338.00	338.00	0.00	440.68	440.68	0.00	440.68	440.68	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.22	Disjuntor Monofásico	10A - 16A - 2A	UNIDADE	12	17.80	0.00	17.80	17.80	0.00	213.60	213.60	0.00	23.21	23.21	0.00	278.49	278.49	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.23	Disjuntor Motor	10–16 A – MPW40-3-D016 (WEG)	UNIDADE	6	333.00	0.00	333.00	333.00	0.00	1.998.00	1.998.00	0.00	434.17	434.17	0.00	2.604.99	2.604.99	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.24	Disjuntor Motor	4.0–6.3 A – MPW18-3-D063 (WEG)	UNIDADE	6	232.00	0.00	232.00	232.00	0.00	1.392.00	1.392.00	0.00	302.48	302.48	0.00	1.814.89	1.814.89	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.25	Disjuntor Motor	20–25 A – MPW40-3-D025 (WEG)	UNIDADE	1	320.00	0.00	320.00	320.00	0.00	320.00	320.00	0.00	417.22	417.22	0.00	417.22	417.22	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.26	Disjuntor Motor	6.3–10 A – MPW40-3-D010 (WEG)	UNIDADE	6	331.00	0.00	331.00	331.00	0.00	1.986.00	1.986.00	0.00	431.56	431.56	0.00	2.589.35	2.589.35	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.27	Disjuntor Motor	70–90 A – MPW100-3-U090 (WEG)	UNIDADE	3	1.888.00	0.00	1.888.00	1.888.00	0.00	5.664.00	5.664.00	0.00	2.461.57	2.461.57	0.00	7.384.72	7.384.72	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.28	Disjuntor Motor	2.5–4.0 A – MPW18-3-D004 (WEG) / 4DJM03	UNIDADE	4	247.49	0.00	247.49	247.49	0.00	989.96	989.96	0.00	322.68	322.68	0.00	1.290.71	1.290.71	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.29	Contator de Segurança	CWBS25-33-30C03 (WEG)	UNIDADE	12	450.00	0.00	450.00	450.00	0.00	5.400.00	5.400.00	0.00	586.71	586.71	0.00	7.040.52	7.040.52	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.30	Contator de Segurança	CWBS65-33-30C03 (WEG)	UNIDADE	2	516.99	0.00	516.99	516.99	0.00	1.033.98	1.033.98	0.00	674.05	674.05	0.00	1.348.10	1.348.10	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.31	Contator de Segurança	CWBS95-00-30D02 (WEG)	UNIDADE	6	1.450.00	0.00	1.450.00	1.450.00	0.00	8.700.00	8.700.00	0.00	1.890.51	1.890.51	0.00	11.343.06	11.343.06	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.32	Contator	CWC07 (WEG)	UNIDADE	12	116.00	0.00	116.00	116.00	0.00	1.392.00	1.392.00	0.00	151.24	151.24	0.00	1.814.89	1.814.89	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.33	Contator	CWC016 (WEG)	UNIDADE	2	136.00	0.00	136.00	136.00	0.00	272.00	272.00	0.00	177.32	177.32	0.00	354.63	354.63	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.34	Contator auxíliar	CAW04 (WEG)	UNIDADE	3	59.84	0.00	59.84	59.84	0.00	179.52	179.52	0.00	78.02	78.02	0.00	234.06	234.06	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.35	Soft Starter	SSW07 (WEG)	UNIDADE	5	4.355.00	0.00	4.355.00	4.355.00	0.00	21.775.00	21.775.00	0.00	5.678.05	5.678.05	0.00	28.390.25	28.390.25	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.36	Soft Starter	SSW900 (WEG)	UNIDADE	2	9.060.00	0.00	9.060.00	9.060.00	0.00	18.120.00	18.120.00	0.00	11.812.43	11.812.43	0.00	23.624.86	23.624.86	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.37	Inversor de Frequência	G120C (Siemens)	UNIDADE	4	7.496.00	0.00	7.496.00	7.496.00	0.00	29.984.00	29.984.00	0.00	9.773.28	9.773.28	0.00	39.093.14	39.093.14	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.38	Inversor de Frequência	G120C (Siemens)	UNIDADE	2	7.496.00	0.00	7.496.00	7.496.00	0.00	14.992.00	14.992.00	0.00	9.773.28	9.773.28	0.00	19.546.57	19.546.57	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.39	DPS Classe 1+2	SPW27560-12.5 (WEG)	UNIDADE	4	296.00	0.00	296.00	296.00	0.00	1.184.00	1.184.00	0.00	385.92	385.92	0.00	1.543.70	1.543.70	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.40	Botão de Pulso Verde (luminoso)	IP66	UNIDADE	3	32.39	0.00	32.39	32.39	0.00	97.17	97.17	0.00	42.23	42.23	0.00	126.69	126.69	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.41	Botão de Pulso Vermelho	IP66	UNIDADE	3	32.39	0.00	32.39	32.39	0.00	97.17	97.17	0.00	42.23	42.23	0.00	126.69	126.69	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.42	Botão de Emergência c/ caixa	IP66	UNIDADE	18	29.90	0.00	29.90	29.90	0.00	538.20	538.20	0.00	38.98	38.98	0.00	701.71	701.71	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.43	Chave Segurança	WEG	UNIDADE	5	200.00	0.00	200.00	200.00	0.00	1.000.00	1.000.00	0.00	260.76	260.76	0.00	1.303.80	1.303.80	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.44	Caixa de botoeira	Suporte IP66 para 2 botões	UNIDADE	3	100.00	0.00	100.00	100.00	0.00	300.00	300.00	0.00	130.38	130.38	0.00	391.14	391.14	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.45	Relé de Segurança	WEG CPA-D	UNIDADE	10	450.00	0.00	450.00	450.00	0.00	4.500.00	4.500.00	0.00	586.71	586.71	0.00	5.867.10	5.867.10	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.46	Borne Fusível	Weidmüller / Phoenix Contact	UNIDADE	15	8.00	0.00	8.00	8.00	0.00	120.00	120.00	0.00	10.43	10.43	0.00	156.46	156.46	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.47	Relé Auxiliar / Interface	24 VDC – 6A (WEG / Phoenix)	UNIDADE	48	20.21	0.00	20.21	20.21	0.00	970.08	970.08	0.00	26.35	26.35	0.00	1.264.79	1.264.79	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.48	CLP Siemens ET200SP	CPU	UNIDADE	1	3.580.00	0.00	3.580.00	3.580.00	0.00	3.580.00	3.580.00	0.00	4.667.60	4.667.60	0.00	4.667.60	4.667.60	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.49	Módulo Comunicação PROFINET	---	UNIDADE	1	581.00	0.00	581.00	581.00	0.00	581.00	581.00	0.00	757.51	757.51	0.00	757.51	757.51	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.50	Módulo Entrada Digital	SM1221 – 16 DI 24VDC	UNIDADE	5	2.127.00	0.00	2.127.00	2.127.00	0.00	10.635.00	10.635.00	0.00	2.773.18	2.773.18	0.00	13.865.91	13.865.91	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.51	Módulo Saída Digital	SM1222 – 16 DO 24VDC	UNIDADE	3	1.282.00	0.00	1.282.00	1.282.00	0.00	3.846.00	3.846.00	0.00	1.671.47	1.671.47	0.00	5.014.41	5.014.41	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.52	Base Unit Branca	6ES7 193-6BP00-0DA0	UNIDADE	9	250.00	0.00	250.00	250.00	0.00	2.250.00	2.250.00	0.00	325.95	325.95	0.00	2.933.55	2.933.55	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.53	Base Unit Preta	---	UNIDADE	2	212.00	0.00	212.00	212.00	0.00	424.00	424.00	0.00	276.41	276.41	0.00	552.81	552.81	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.54	Fonte 24VDC	15A – Siemens / WEG	UNIDADE	1	2.123.00	0.00	2.123.00	2.123.00	0.00	2.123.00	2.123.00	0.00	2.767.97	2.767.97	0.00	2.767.97	2.767.97	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.55	Switch 8 portas	Siemens	UNIDADE	1	999.00	0.00	999.00	999.00	0.00	999.00	999.00	0.00	1.302.50	1.302.50	0.00	1.302.50	1.302.50	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.56	Módulo Painel	2100 x 600 x 600 mm (h x l x p)	UNIDADE	1	7.144.00	0.00	7.144.00	7.144.00	0.00	7.144.00	7.144.00	0.00	9.314.35	9.314.35	0.00	9.314.35	9.314.35	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.57	Módulo Painel	2100 x 800 x 600 mm (h x l x p)	UNIDADE	3	8.107.66	0.00	8.107.66	8.107.66	0.00	24.322.98	24.322.98	0.00	10.570.77	10.570.77	0.00	31.712.30	31.712.30	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.58	Chave de nível (silos)	XK30 24vcc	UNIDADE	28	466.00	0.00	466.00	466.00	0.00	13.048.00	13.048.00	0.00	607.57	607.57	0.00	17.011.98	17.011.98	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.59	Sirene Luminosa	24vcc	UNIDADE	1	227.00	0.00	227.00	227.00	0.00	227.00	227.00	0.00	295.96	295.96	0.00	295.96	295.96	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.60	Sensor de rotação	Elevador de caneca	UNIDADE	4	110.00	0.00	110.00	110.00	0.00	440.00	440.00	0.00	143.42	143.42	0.00	573.67	573.67	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.61	Kit Ventilação Iluminação Painel	Kit completo	UNIDADE	4	437.00	0.00	437.00	437.00	0.00	1.748.00	1.748.00	0.00	569.76	569.76	0.00	2.279.04	2.279.04	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.62	kit de bornes		UNIDADE	2.5	500.00	0.00	500.00	500.00	0.00	1.250.00	1.250.00	0.00	651.90	651.90	0.00	1.629.75	1.629.75	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.63	Disjuntor de Comando	10 A – MDW-C10 (WEG) / DJ01	UNIDADE	2	57.19	0.00	57.19	57.19	0.00	114.38	114.38	0.00	74.56	74.56	0.00	149.13	149.13	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.64	Fonte Chaveada 220V/24Vcc	PSS24-W – 2.2 A	UNIDADE	1	560.00	0.00	560.00	560.00	0.00	560.00	560.00	0.00	730.13	730.13	0.00	730.13	730.13	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.65	Interface Homem Máquina	IHM 15" SIEMENS	UNIDADE	1	46.440.00	0.00	46.440.00	46.440.00	0.00	46.440.00	46.440.00	0.00	60.548.47	60.548.47	0.00	60.548.47	60.548.47	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.66	Cabos de comando	2.5 mm² e 1 mm²	M	15	15.16	0.00	15.16	15.16	0.00	227.40	227.40	0.00	19.77	19.77	0.00	296.48	296.48	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.67	Bornes para alimentação	2.5 mm²	UNIDADE	3	39.18	0.00	39.18	39.18	0.00	117.54	117.54	0.00	51.08	51.08	0.00	153.25	153.25	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.68	Caixa do Quadro	700 x 700 x 300 mm	UNIDADE	1	894.00	0.00	894.00	894.00	0.00	894.00	894.00	0.00	1.165.60	1.165.60	0.00	1.165.60	1.165.60	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.69	Moldura IHM	TASCO	UNIDADE	1	100.00	0.00	100.00	100.00	0.00	100.00	100.00	0.00	130.38	130.38	0.00	130.38	130.38	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.70	Canaletas	Modelo compatível	M	5	21.08	0.00	21.08	21.08	0.00	105.40	105.40	0.00	27.48	27.48	0.00	137.42	137.42	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.71	Trilho DIN	Modelo padrão	M	1.5	34.19	0.00	34.19	34.19	0.00	51.29	51.29	0.00	44.58	44.58	0.00	66.87	66.87	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.72	Fecho com cadeado	Dispositivo de segurança	UNIDADE	1	109.00	0.00	109.00	109.00	0.00	109.00	109.00	0.00	142.11	142.11	0.00	142.11	142.11	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.73	Disjuntor de Comando	10 A – MDW-C10 (WEG) / DJ01	UNIDADE	2	37.79	0.00	37.79	37.79	0.00	75.58	75.58	0.00	49.27	49.27	0.00	98.54	98.54	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.74	Fonte Chaveada 220V/24Vcc	PSS24-W – 2.2 A	UNIDADE	1	560.00	0.00	560.00	560.00	0.00	560.00	560.00	0.00	730.13	730.13	0.00	730.13	730.13	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.75	Conversor de pesagem	TBL profinet - Weightech	UNIDADE	4	560.00	0.00	560.00	560.00	0.00	2.240.00	2.240.00	0.00	730.13	730.13	0.00	2.920.51	2.920.51	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.76	Cabos de comando	2.5 mm² e 1 mm²	M	35	15.16	0.00	15.16	15.16	0.00	530.60	530.60	0.00	19.77	19.77	0.00	691.80	691.80	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.77	Bornes para alimentação	1mm² e 2.5 mm²	UNIDADE	27	5.00	0.00	5.00	5.00	0.00	135.00	135.00	0.00	6.52	6.52	0.00	176.01	176.01	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.78	Caixa do Quadro	500 x 600 x 250 mm	UNIDADE	1	465.00	0.00	465.00	465.00	0.00	465.00	465.00	0.00	606.27	606.27	0.00	606.27	606.27	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.79	Canaletas	Modelo compatível	M	5	21.08	0.00	21.08	21.08	0.00	105.40	105.40	0.00	27.48	27.48	0.00	137.42	137.42	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.80	Trilho DIN	Modelo padrão	M	1.5	34.19	0.00	34.19	34.19	0.00	51.29	51.29	0.00	44.58	44.58	0.00	66.87	66.87	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.81	Fecho com cadeado	Dispositivo de segurança	UNIDADE	1	34.19	0.00	34.19	34.19	0.00	34.19	34.19	0.00	44.58	44.58	0.00	44.58	44.58	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.82	Sistema de aterramento	Condutores e terminais PE	UNIDADE	1	915.00	0.00	915.00	915.00	0.00	915.00	915.00	0.00	1.192.98	1.192.98	0.00	1.192.98	1.192.98	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.83	Cabo 2.5 mm²	Cabo flexível 750 V	M	500	1.99	0.00	1.99	1.99	0.00	995.00	995.00	0.00	2.59	2.59	0.00	1.297.28	1.297.28	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.84	Cabo 4 mm²	Cabo flexível 750 V	M	500	4.09	0.00	4.09	4.09	0.00	2.045.00	2.045.00	0.00	5.33	5.33	0.00	2.666.27	2.666.27	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.85	Cabo 16 mm²	Cabo flexível 750 V	M	500	12.59	0.00	12.59	12.59	0.00	6.295.00	6.295.00	0.00	16.41	16.41	0.00	8.207.42	8.207.42	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.86	Cabo 25 mm²	Cabo flexível 750 V	M	500	18.89	0.00	18.89	18.89	0.00	9.445.00	9.445.00	0.00	24.63	24.63	0.00	12.314.39	12.314.39	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.87	Cabo 35 mm²	Cabo flexível 750 V	M	500	26.99	0.00	26.99	26.99	0.00	13.495.00	13.495.00	0.00	35.19	35.19	0.00	17.594.78	17.594.78	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.88	Cabo 70 mm²	Cabo flexível 750 V	M	500	52.19	0.00	52.19	52.19	0.00	26.095.00	26.095.00	0.00	68.05	68.05	0.00	34.022.66	34.022.66	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.89	Barramento Cobre	2 3/8" x 3/8"	M	20	1.200.00	0.00	1.200.00	1.200.00	0.00	24.000.00	24.000.00	0.00	1.564.56	1.564.56	0.00	31.291.20	31.291.20	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.90	MECANICO DE EQUIPAMENTOS PESADOS (HORISTA)		H	800	35.00	0.00	35.00	35.00	0.00	28.000.00	28.000.00	0.00	45.63	45.63	0.00	36.506.40	36.506.40	TRITEC EQUIPAMENTOS LTDA – MZ
1.1.91	AUXILIAR DE MECÂNICO COM ENCARGOS COMPLEMENTARES		H	800	15.00	0.00	15.00	15.00	0.00	12.000.00	12.000.00	0.00	19.56	19.56	0.00	15.645.60	15.645.60	TRITEC EQUIPAMENTOS LTDA – MZ
1.2	EQUIPAMENTOS																	
1.2.1	Elevador de canecas autolimpante 12000 x 800 - canecas 195 mm		UNID	5	78.000,00	30.000,00	48.000,00	78.000,00	150.000,00	240.000,00	390.000,00	39.114.00	62.582.40	101.696.40	195.570.00	312.912.00	508.482.00	AGRONOX LTDA CONTATO : (51)999626158
1.2.2	Redler Moega		UNID	1	40.000.00	15.000.00	25.000.00	40.000.00	15.000.00	25.000.00	40.000.00	19.557.00	32.595.00	52.152.00	19.557.00	32.595.00	52.152.00	AGRONOX LTDA
1.2.3	Redler Silo de Armazenamento - 18500 MM		UNID	3	50.000.00	20.000.00	30.000.00	50.000.00	60.000.00	90.000.00	150.000.00	26.076.00	39.114.00	65.190.00	78.228.00	117.342.00	195.570.00	AGRONOX LTDA
1.2.4	Interligação Redlers Silos de Armazenamento - 2300MM		UNID	3	15.000.00	5.000.00	10.000.00	15.000.00	15.000.00	30.000.00	45.000.00	6.519.00	13.038.00	19.557.00	19.557.00	39.114.00	58.671.00	AGRONOX LTDA
1.2.5	Redler Silos Pulmão - 3000MM		UNID	6	15.000.00	5.000.00	10.000.00	15.000.00	30.000.00	60.000.00	90.000.00	6.519.00	13.038.00	19.557.00	39.114.00	78.228.00	117.342.00	AGRONOX LTDA
1.2.6	Moinho de martelos 50 CV		UNID	2	78.000.00	30.000.00	48.000.00	78.000.00	60.000.00	96.000.00	156.000.00	39.114.00	62.582.40	101.696.40	78.228.00	125.164.80	203.392.80	AGRONOX LTDA
1.2.7	Filtro 8 Mangas		UNID	2	40.000.00	15.000.00	25.000.00	40.000.00	30.000.00	50.000.00	80.000.00	19.557.00	32.595.00	52.152.00	39.114.00	65.190.00	104.304.00	AGRONOX LTDA
1.2.8	Célula de Carga 700 kg		UNID	1	40.000.00	15.000.00	25.000.00	40.000.00	15.000.00	25.000.00	40.000.00	19.557.00	32.595.00	52.152.00	19.557.00	32.595.00	52.152.00	AGRONOX LTDA
1.2.9	Misturador Hrizontal de Pás 500 kg inox		UNID	1	120.000.00	40.000.00	80.000.00	120.000.00	40.000.00	80.000.00	120.000.00	52.152.00	104.304.00	156.456.00	52.152.00	104.304.00	156.456.00	AGRONOX LTDA
1.2.10	Caçamba Misturador 500 kg		UNID	1	36.000.00	10.000.00	26.000.00	36.000.00	10.000.00	26.000.00	36.000.00	13.038.00	33.898.80	46.936.80	13.038.00	33.898.80	46.936.80	AGRONOX LTDA
1.2.11	Resfriador Pellet 250 kg		UNID	2	50.000.00	20.000.00	30.000.00	50.000.00	40.000.00	60.000.00	100.000.00	26.076.00	39.114.00	65.190.00	52.152.00	78.228.00	130.380.00	AGRONOX LTDA
1.2.12	Prateleiras Perfil W150x13		UNID	1	45.000.00	20.000.00	25.000.00	45.000.00	20.000.00	25.000.00	45.000.00	26.076.00	32.595.00	58.671.00	26.076.00	32.595.00	58.671.00	AGRONOX LTDA
1.2.13	Ensacadeira eletrônica		UNID	1	35.000.00	5.000.00	30.000.00	35.000.00	5.000.00	30.000.00	35.000.00	6.519.00	39.114.00	45.633.00	6.519.00	39.114.00	45.633.00	AGRONOX LTDA
1.2.14	Paleteira elétrica - conforme memorial mecânico		UNID	1	39.100.00	0.00	39.100.00	39.100.00	0.00	39.100.00	39.100.00	0.00	50.978.58	50.978.58	0.00	50.978.58	50.978.58	AGRONOX LTDA
1.2.15	Reforma Pulmões Misturador		UNID	1	40.000.00	30.000.00	10.000.00	40.000.00	30.000.00	10.000.00	40.000.00	39.114.00	13.038.00	52.152.00	39.114.00	13.038.00	52.152.00	AGRONOX LTDA
1.2.16	Redler Acima dos silos - 18500 MM		UNID	1	50.000.00	20.000.00	30.000.00	50.000.00	20.000.00	30.000.00	50.000.00	26.076.00	39.114.00	65.190.00	26.076.00	39.114.00	65.190.00	AGRONOX LTDA
1.2.17	Instalação Pneumática		UNID	1	25.000.00	25.000.00	0.00	25.000.00	25.000.00	0.00	25.000.00	32.595.00	0.00	32.595.00	32.595.00	0.00	32.595.00	AGRONOX LTDA
1.2.18	MECANICO DE EQUIPAMENTOS PESADOS (HORISTA)		H	800	35.00	35.00	0.00	35.00	28.000.00	0.00	28.000.00	45.63	0.00	45.63	36.506.40	0.00	36.506.40	AGRONOX LTDA
1.2.19	AUXILIAR DE MECÂNICO COM ENCARGOS COMPLEMENTARES		H	800	15.00	15.00	0.00	15.00	12.000.00	0.00	12.000.00	19.56	0.00	19.56	15.645.60	0.00	15.645.60	AGRONOX LTDA

Item	Und	Quant.	Valor Unit	Valor Unit			Total			Valor Unit. com BDI			Total com BDI			FORNECEDOR
				M. O.	MAT.	Total	M. O.	MAT.	Total	M. O.	MAT.	Total	M. O.	MAT.	Total	
1																
1.1																AUTOMASUL CONTATO: (54)33162600
1.1.1	UNIDADE	28	153.12	0.00	153.12	153.12	0.00	4.287.36	4.287.36	0.00	199.64	199.64	0.00	5.589.86	5.589.86	AUTOMASUL
1.1.2	M	10	36.45	0.00	36.45	36.45	0.00	364.50	364.50	0.00	47.52	47.52	0.00	475.24	475.24	AUTOMASUL
1.1.3	UNIDADE	20	33.10	0.00	33.10	33.10	0.00	662.00	662.00	0.00	43.16	43.16	0.00	863.12	863.12	AUTOMASUL
1.1.4	UNIDADE	35	10.87	0.00	10.87	10.87	0.00	380.45	380.45	0.00	14.17	14.17	0.00	496.03	496.03	AUTOMASUL
1.1.5	UNIDADE	6	120.64	0.00	120.64	120.64	0.00	723.84	723.84	0.00	157.29	157.29	0.00	943.74	943.74	AUTOMASUL
1.1.6	UNIDADE	10	6.61	0.00	6.61	6.61	0.00	66.10	66.10	0.00	8.62	8.62	0.00	86.18	86.18	AUTOMASUL
1.1.7	UNIDADE	20	10.13	0.00	10.13	10.13	0.00	202.60	202.60	0.00	13.21	13.21	0.00	264.15	264.15	AUTOMASUL
1.1.8	M	150	13.04	0.00	13.04	13.04	0.00	1.956.00	1.956.00	0.00	17.00	17.00	0.00	2.550.23	2.550.23	AUTOMASUL
1.1.9	M	50	18.89	0.00	18.89	18.89	0.00	944.50	944.50	0.00	24.63	24.63	0.00	1.231.44	1.231.44	AUTOMASUL
1.1.10	M	450	9.80	0.00	9.80	9.80	0.00	4.410.00	4.410.00	0.00	12.78	12.78	0.00	5.749.76	5.749.76	AUTOMASUL
1.1.11	M	100	21.35	0.00	21.35	21.35	0.00	2.135.00	2.135.00	0.00	27.84	27.84	0.00	2.783.61	2.783.61	AUTOMASUL
1.1.12	M	125	18.99	0.00	18.99	18.99	0.00	2.373.75	2.373.75	0.00	24.76	24.76	0.00	3.094.90	3.094.90	AUTOMASUL
1.1.13	M	360	20.87	0.00	20.87	20.87	0.00	7.513.20	7.513.20	0.00	27.21	27.21	0.00	9.795.71	9.795.71	AUTOMASUL
1.1.14	M	700	5.23	0.00	5.23	5.23	0.00	3.661.00	3.661.00	0.00	6.82	6.82	0.00	4.773.21	4.773.21	AUTOMASUL
1.1.15	M	100	8.04	0.00	8.04	8.04	0.00	804.00	804.00	0.00	10.48	10.48	0.00	1.048.26	1.048.26	AUTOMASUL
1.1.16	M	150	3.14	0.00	3.14	3.14	0.00	471.00	471.00	0.00	4.09	4.09	0.00	614.09	614.09	AUTOMASUL
1.1.17	M	50	7.84	0.00	7.84	7.84	0.00	392.00	392.00	0.00	10.22	10.22	0.00	511.09	511.09	AUTOMASUL
1.1.18	M	150	3.08	0.00	3.08	3.08	0.00	462.00	462.00	0.00	4.02	4.02	0.00	602.36	602.36	AUTOMASUL
1.1.19	UNIDADE	1	2.726.00	0.00	2.726.00	2.726.00	0.00	2.726.00	2.726.00	0.00	3.554.16	3.554.16	0.00	3.554.16	3.554.16	AUTOMASUL
1.1.20	UNIDADE	1	586.00	0.00	586.00	586.00	0.00	586.00	586.00	0.00	764.03	764.03	0.00	764.03	764.03	AUTOMASUL
1.1.21	UNIDADE	1	308.00	0.00	308.00	308.00	0.00	308.00	308.00	0.00	401.57	401.57	0.00	401.57	401.57	AUTOMASUL
1.1.22	UNIDADE	12	19.12	0.00	19.12	19.12	0.00	229.44	229.44	0.00	24.93	24.93	0.00	299.14	299.14	AUTOMASUL
1.1.23	UNIDADE	6	333.00	0.00	333.00	333.00	0.00	1.998.00	1.998.00	0.00	434.17	434.17	0.00	2.604.99	2.604.99	AUTOMASUL
1.1.24	UNIDADE	6	249.00	0.00	249.00	249.00	0.00	1.494.00	1.494.00	0.00	324.65	324.65	0.00	1.947.88	1.947.88	AUTOMASUL
1.1.25	UNIDADE	1	352.00	0.00	352.00	352.00	0.00	352.00	352.00	0.00	458.94	458.94	0.00	458.94	458.94	AUTOMASUL
1.1.26	UNIDADE	6	331.00	0.00	331.00	331.00	0.00	1.986.00	1.986.00	0.00	431.56	431.56	0.00	2.589.35	2.589.35	AUTOMASUL
1.1.27	UNIDADE	3	2.060.00	0.00	2.060.00	2.060.00	0.00	6.180.00	6.180.00	0.00	2.685.83	2.685.83	0.00	8.057.48	8.057.48	AUTOMASUL
1.1.28	UNIDADE	4	261.34	0.00	261.34	261.34	0.00	1.045.36	1.045.36	0.00	340.74	340.74	0.00	1.362.94	1.362.94	AUTOMASUL
1.1.29	UNIDADE	12	486.00	0.00	486.00	486.00	0.00	5.832.00	5.832.00	0.00	633.65	633.65	0.00	7.603.76	7.603.76	AUTOMASUL
1.1.30	UNIDADE	2	475.49	0.00	475.49	475.49	0.00	950.98	950.98	0.00	619.94	619.94	0.00	1.239.89	1.239.89	AUTOMASUL
1.1.31	UNIDADE	6	1.565.00	0.00	1.565.00	1.565.00	0.00	9.390.00	9.390.00	0.00	2.040.45	2.040.45	0.00	12.242.68	12.242.68	AUTOMASUL
1.1.32	UNIDADE	12	124.00	0.00	124.00	124.00	0.00	1.488.00	1.488.00	0.00	161.67	161.67	0.00	1.940.05	1.940.05	AUTOMASUL
1.1.33	UNIDADE	2	129.00	0.00	129.00	129.00	0.00	258.00	258.00	0.00	168.19	168.19	0.00	336.38	336.38	AUTOMASUL
1.1.34	UNIDADE	3	65.63	0.00	65.63	65.63	0.00	196.89	196.89	0.00	85.57	85.57	0.00	256.71	256.71	AUTOMASUL
1.1.35	UNIDADE	5	4.792.00	0.00	4.792.00	4.792.00	0.00	23.960.00	23.960.00	0.00	6.247.81	6.247.81	0.00	31.239.05	31.239.05	AUTOMASUL
1.1.36	UNIDADE	2	8.782.00	0.00	8.782.00	8.782.00	0.00	17.564.00	17.564.00	0.00	11.449.97	11.449.97	0.00	22.899.94	22.899.94	AUTOMASUL
1.1.37	UNIDADE	4	7.935.00	0.00	7.935.00	7.935.00	0.00	31.740.00	31.740.00	0.00	10.345.65	10.345.65	0.00	41.382.61	41.382.61	AUTOMASUL
1.1.38	UNIDADE	2	6.834.00	0.00	6.834.00	6.834.00	0.00	13.668.00	13.668.00	0.00	8.910.17	8.910.17	0.00	17.820.34	17.820.34	AUTOMASUL
1.1.39	UNIDADE	4	314.00	0.00	314.00	314.00	0.00	1.256.00	1.256.00	0.00	409.39	409.39	0.00	1.637.57	1.637.57	AUTOMASUL
1.1.40	UNIDADE	3	34.16	0.00	34.16	34.16	0.00	102.48	102.48	0.00	44.54	44.54	0.00	133.61	133.61	AUTOMASUL
1.1.41	UNIDADE	3	32.39	0.00	32.39	32.39	0.00	97.17	97.17	0.00	42.23	42.23	0.00	126.69	126.69	AUTOMASUL
1.1.42	UNIDADE	18	32.55	0.00	32.55	32.55	0.00	585.90	585.90	0.00	42.44	42.44	0.00	763.90	763.90	AUTOMASUL
1.1.43	UNIDADE	5	210.00	0.00	210.00	210.00	0.00	1.050.00	1.050.00	0.00	273.80	273.80	0.00	1.368.99	1.368.99	AUTOMASUL
1.1.44	UNIDADE	3	100.00	0.00	100.00	100.00	0.00	300.00	300.00	0.00	130.38	130.38	0.00	391.14	391.14	AUTOMASUL
1.1.45	UNIDADE	10	475.00	0.00	475.00	475.00	0.00	4.750.00	4.750.00	0.00	619.31	619.31	0.00	6.193.05	6.193.05	AUTOMASUL
1.1.46	UNIDADE	15	8.56	0.00	8.56	8.56	0.00	128.40	128.40	0.00	11.16	11.16	0.00	167.41	167.41	AUTOMASUL
1.1.47	UNIDADE	48	21.73	0.00	21.73	21.73	0.00	1.043.04	1.043.04	0.00	28.33	28.33	0.00	1.359.92	1.359.92	AUTOMASUL
1.1.48	UNIDADE	1	3.724.00	0.00	3.724.00	3.724.00	0.00	3.724.00	3.724.00	0.00	4.855.35	4.855.35	0.00	4.855.35	4.855.35	AUTOMASUL
1.1.49	UNIDADE	1	609.00	0.00	609.00	609.00	0.00	609.00	609.00	0.00	794.01	794.01	0.00	794.01	794.01	AUTOMASUL
1.1.50	UNIDADE	5	2.055.00	0.00	2.055.00	2.055.00	0.00	10.275.00	10.275.00	0.00	2.679.31	2.679.31	0.00	13.396.55	13.396.55	AUTOMASUL
1.1.51	UNIDADE	3	1.341.00	0.00	1.341.00	1.341.00	0.00	4.023.00	4.023.00	0.00	1.748.40	1.748.40	0.00	5.245.19	5.245.19	AUTOMASUL
1.1.52	UNIDADE	9	262.00	0.00	262.00	262.00	0.00	2.358.00	2.358.00	0.00	341.60	341.60	0.00	3.074.36	3.074.36	AUTOMASUL
1.1.53	UNIDADE	2	224.00	0.00	224.00	224.00	0.00	448.00	448.00	0.00	292.05	292.05	0.00	584.10	584.10	AUTOMASUL
1.1.54	UNIDADE	1	2.180.00	0.00	2.180.00	2.180.00	0.00	2.180.00	2.180.00	0.00	2.842.28	2.842.28	0.00	2.842.28	2.842.28	AUTOMASUL
1.1.55	UNIDADE	1	1.048.00	0.00	1.048.00	1.048.00	0.00	1.048.00	1.048.00	0.00	1.366.38	1.366.38	0.00	1.366.38	1.366.38	AUTOMASUL
1.1.56	UNIDADE	1	7.495.00	0.00	7.495.00	7.495.00	0.00	7.495.00	7.495.00	0.00	9.771.98	9.771.98	0.00	9.771.98	9.771.98	AUTOMASUL
1.1.57	UNIDADE	3	8.716.00	0.00	8.716.00	8.716.00	0.00	26.148.00	26.148.00	0.00	11.363.92	11.363.92	0.00	34.091.76	34.091.76	AUTOMASUL
1.1.58	UNIDADE	28	512.00	0.00	512.00	512.00	0.00	14.336.00	14.336.00	0.00	667.55	667.55	0.00	18.691.28	18.691.28	AUTOMASUL
1.1.59	UNIDADE	1	218.00	0.00	218.00	218.00	0.00	218.00	218.00	0.00	284.23	284.23	0.00	284.23	284.23	AUTOMASUL
1.1.60	UNIDADE	4	117.00	0.00	117.00	117.00	0.00	468.00	468.00	0.00	152.54	152.54	0.00	610.18	610.18	AUTOMASUL
1.1.61	UNIDADE	4	456.00	0.00	456.00	456.00	0.00	1.824.00	1.824.00	0.00	594.53	594.53	0.00	2.378.13	2.378.13	AUTOMASUL
1.1.62	UNIDADE	2.5	520.00	0.00	520.00	520.00	0.00	1.300.00	1.300.00	0.00	677.98	677.98	0.00	1.694.94	1.694.94	AUTOMASUL
1.1.63	UNIDADE	2	53.12	0.00	53.12	53.12	0.00	106.24	106.24	0.00	69.26	69.26	0.00	138.52	138.52	AUTOMASUL
1.1.64	UNIDADE	1	583.00	0.00	583.00	583.00	0.00	583.00	583.00	0.00	760.12	760.12	0.00	760.12	760.12	AUTOMASUL
1.1.65	UNIDADE	1	50.812.00	0.00	50.812.00	50.812.00	0.00	50.812.00	50.812.00	0.00	66.248.69	66.248.69	0.00	66.248.69	66.248.69	AUTOMASUL
1.1.66	M	15	16.22	0.00	16.22	16.22	0.00	243.30	243.30	0.00	21.15	21.15	0.00	317.21	317.21	AUTOMASUL
1.1.67	UNIDADE	3	42.14	0.00	42.14	42.14	0.00	126.42	126.42	0.00	54.94	54.94	0.00	164.83	164.83	AUTOMASUL
1.1.68	UNIDADE	1	960.00	0.00	960.00	960.00	0.00	960.00	960.00	0.00	1.251.65	1.251.65	0.00	1.251.65	1.251.65	AUTOMASUL
1.1.69	UNIDADE	1	100.00	0.00	100.00	100.00	0.00	100.00	100.00	0.00	130.38	130.38	0.00	130.38	130.38	AUTOMASUL
1.1.70	M	5	22.19	0.00	22.19	22.19	0.00	110.95	110.95	0.00	28.93	28.93	0.00	144.66	144.66	AUTOMASUL
1.1.71	M	1.5	31.09	0.00	31.09	31.09	0.00	46.64	46.64	0.00	40.54	40.54	0.00	60.80	60.80	AUTOMASUL
1.1.72	UNIDADE	1	118.00	0.00	118.00	118.00	0.00	118.00	118.00	0.00	153.85	153.85	0.00	153.85	153.85	AUTOMASUL
1.1.73	UNIDADE	2	40.12	0.00	40.12	40.12	0.00	80.24	80.24	0.00	52.31	52.31	0.00	104.62	104.62	AUTOMASUL
1.1.74	UNIDADE	1	602.00	0.00	602.00	602.00	0.00	602.00	602.00	0.00	784.89	784.89	0.00	784.89	784.89	AUTOMASUL
1.1.75	UNIDADE	4	560.00	0.00	560.00	560.00	0.00	2.240.00	2.240.00	0.00	730.13	730.13	0.00	2.920.51	2.920.51	AUTOMASUL
1.1.76	M	35	15.16	0.00	15.16	15.16	0.00	530.60	530.60	0.00	19.77	19.77	0.00	691.80	691.80	AUTOMASUL
1.1.77	UNIDADE	27	5.32	0.00	5.32	5.32	0.00	143.64	143.64	0.00	6.94	6.94	0.00	187.28	187.28	AUTOMASUL
1.1.78	UNIDADE	1	511.00	0.00	511.00	511.00	0.00	511.00	511.00	0.00	666.24	666.24	0.00	666.24	666.24	AUTOMASUL
1.1.79	M	5	21.08	0.00	21.08	21.08	0.00	105.40	105.40	0.00	27.48	27.48	0.00	137.42	137.42	AUTOMASUL
1.1.80	M	1.5	36.08	0.00	36.08	36.08	0.00	54.12	54.12	0.00	47.04	47.04	0.00	70.56	70.56	AUTOMASUL
1.1.81	UNIDADE	1	34.19	0.00	34.19	34.19	0.00	34.19	34.19	0.00	44.58	44.58	0.00	44.58	44.58	AUTOMASUL
1.1.82	UNIDADE	1	978.00	0.00	978.00	978.00	0.00	978.00	978.00	0.00	1.275.12	1.275.12	0.00	1.275.12	1.275.12	AUTOMASUL
1.1.83	M	500	2.06	0.00	2.06	2.06	0.00	1.030.00	1.030.00	0.00	2.69	2.69	0.00	1.342.91	1.342.91	AUTOMASUL
1.1.84	M	500	4.51	0.00	4.51	4.51	0.00	2.255.00	2.255.00	0.00	5.88	5.88	0.00	2.940.07	2.940.07	AUTOMASUL
1.1.85	M	500	13.30	0.00	13.30	13.30	0.00	6.650.00	6.650.00	0.00	17.34	17.34	0.00	8.670.27	8.670.27	AUTOMASUL
1.1.86	M	500	20.41	0.00	20.41	20.41	0.00	10.205.00	10.205.00	0.00	26.61	26.61	0.00	13.305.28	13.305.28	AUTOMASUL
1.1.87	M	500	29.40	0.00	29.40	29.40	0.00	14.700.00	14.700.00	0.00	38.33	38.33	0.00	19.165.86	19.165.86	AUTOMASUL
1.1.88	M	500	56.72	0.00	56.72	56.72	0.00	28.360.00	28.360.00	0.00	73.95	73.95	0.00	36.975.77	36.975.77	AUTOMASUL
1.1.89	M	20	1.278.00	0.00	1.278.00	1.278.00	0.00	25.560.00	25.560.00	0.00	1.666.26	1.666.26	0.00	33.325.13	33.325.13	AUTOMASUL
1.1.90	H	800	36.750	0.00	36.750	36.75	0.00	29.400.00	29.400.00	0.00	47.91	47.91	0.00	38.331.72	38.331.72	AUTOMASUL
1.1.91	H	800	15.900	0.00	15.900	15.90	0.00	12.720.00	12.720.00	0.00	20.73	20.73	0.00	16.584.34	16.584.34	AUTOMASUL
1.2																
1.2.1	UNID	5	83.460.00	31.500.000	51.960,00	83.460,00	157.500,00	259.800,00	417.300,00	41.069.70	67.745.45	108.815.15	205.348.50	338.727.24	544.075.74	METALURGICA WAGNER LTDA CONTATO: (51) 991553607
1.2.2	UNID	1	41.600.00	16.200.000	25.400.00	41.600.00	16.200.00	25.400.00	41.600.00	21.121.56	33.116.52	54.238.08	21.121.56	33.116.52	54.238.08	METALURGICA WAGNER LTDA
1.2.3	UNID	3	54.000.00	21.200.000	32.800.00	54.000.00	63.600.00	98.400.00	162.000.00	27.640.56	42.764.64	70.405.20	82.921.68	128.293.92	211.215.60	METALURGICA WAGNER LTDA
1.2.4	UNID	3	15.900.00	5.500.000	10.400.00	15.900.00	16.500.00	31.200.00	47.700.00	7.170.90	13.559.52	20.730.42	21.512.70	40.678.56	62.191.26	METALURGICA WAGNER LTDA
1.2.5	UNID	6	16.500.00	5.200.000	11.300.00	16.500.00	31.200.00	67.800.00	99.000.00	6.779.76	14.732.94	21.512.70	40.678.56	88.397.64	129.076.20	METALURGICA WAGNER LTDA
1.2.6	UNID	2	81.900.00	32.700.000	49.200.00	81.900.00	65.400.00	98.400.00	163.800.00	42.634.26	64.146.96	106.781.22	85.268.52	128.293.92	213.562.44	METALURGICA WAGNER LTDA
1.2.7	UNID	2	43.600.00	15.450.000	28.150.00	43.600.00	30.900.00	56.300.00	87.200.00	20.143.71	36.701.97	56.845.68	40.287.42	73.403.94	113.691.36	METALURGICA WAGNER LTDA
1.2.8	UNID	1	41.200.00	16.050.000	25.150.00	41.200.00	16.050.00	25.150.00	41.200.00	20.925.99	32.790.57	53.716.56	20.925.99	32.790.57	53.716.56	METALURGICA WAGNER LTDA
1.2.9	UNID	1	122.400.00	40.800.000	81.600.00	122.400.00	40.800.00	81.600.00	122.400.00	53.195.04	106.390.08	159.585.12	53.195.04	106.390.08	159.585.12	METALURGICA WAGNER LTDA
1.2.10	UNID	1	38.160.00	10.900.000	27.260.00	38.160.00	10.900.00	27.260.00	38.160.00	14.211.42	35.541.59	49.753.01	14.211.42	35.541.59	49.753.01	METALURGICA WAGNER LTDA
1.2.11	UNID	2	54.500.00	21.000.000	33.500.00	54.500.00	42.000.00	67.000.00	109.000.00	27.379.80	43.677.30	71.057.10	54.759.60	87.354.60	142.114.20	METALURGICA WAGNER LTDA
1.2.12	UNID	1	48.600.00	22.000.000	26.600.00	48.600.00	22.000.00	26.600.00	48.600.00	28.683.60	34.681.08	63.364.68	28.683.60	34.681.08	63.364.68	METALURGICA WAGNER LTDA
1.2.13	UNID	1	38.500.00	5.300.000	33.200.00	38.500.00	5.300.00	33.200.00	38.500.00	6.910.14	43.286.16	50.196.30	6.910.14	43.286.16	50.196.30	METALURGICA WAGNER LTDA
1.2.14	UNID	1	40.664.00	0.000	40.664.00	40.664.00	0.00	40.664.00	40.664.00	0.00	53.017.72	53.017.72	0.00	53.017.72	53.017.72	METALURGICA WAGNER LTDA
1.2.15	UNID	1	42.000.00	32.400.000	9.600.00	42.000.00	32.400.00	9.600.00	42.000.00	42.243.12	12.516.48	54.759.60	42.243.12	12.516.48	54.759.60	METALURGICA WAGNER LTDA
1.2.16	UNID	1	53.000.00	21.400.000	31.600.00	53.000.00	21.400.00	31.600.00	53.000.00	27.901.32	41.200.08	69.101.40	27.901.32	41.200.08	69.101.40	METALURGICA WAGNER LTDA
1.2.17	UNID	1	26.750.00	26.750.000	0.00	26.750.00	26.750.00	0.00	26.750.00	34.876.65	0.00	34.876.65	34.876.65	0.00	34.876.65	METALURGICA WAGNER LTDA
1.2.18	H	800	40.00	40.000	0.00	40.00	32.000.00	0.00	32.000.00	52.15	0.00	52.15	41.721.60	0.00	41.721.60	METALURGICA WAGNER LTDA
1.2.19	H	800	20.00	20.000	0.00	20.00	16.000.00	0.00	16.000.00	26.08	0.00	26.08	20.860.80	0.00	20.860.80	METALURGICA WAGNER LTDA

Item	Valor Unit MEDIO			Total MEDIO			Valor Unit. com BDI MEDIO			Total com BDI MEDIO		
	M. O.	MAT.	Total	M. O.	MAT.	Total	M. O.	MAT.	Total	M. O.	MAT.	Total
1												
1.1												
1.1.1	0.0	147.6	147.6	0.0	4131.7	4131.7	0.0	192.4	192.4	0.0	5386.9	5386.9
1.1.2	0.0	37.6	37.6	0.0	375.9	375.9	0.0	49.0	49.0	0.0	490.1	490.1
1.1.3	0.0	32.7	32.7	0.0	653.7	653.7	0.0	42.6	42.6	0.0	852.3	852.3
1.1.4	0.0	10.5	10.5	0.0	367.5	367.5	0.0	13.7	13.7	0.0	479.1	479.1
1.1.5	0.0	116.3	116.3	0.0	697.9	697.9	0.0	151.7	151.7	0.0	909.9	909.9
1.1.6	0.0	6.3	6.3	0.0	63.4	63.4	0.0	8.3	8.3	0.0	82.7	82.7
1.1.7	0.0	10.1	10.1	0.0	202.6	202.6	0.0	13.2	13.2	0.0	264.1	264.1
1.1.8	0.0	12.6	12.6	0.0	1893.0	1893.0	0.0	16.5	16.5	0.0	2468.1	2468.1
1.1.9	0.0	18.3	18.3	0.0	914.0	914.0	0.0	23.8	23.8	0.0	1191.7	1191.7
1.1.10	0.0	9.8	9.8	0.0	4410.0	4410.0	0.0	12.8	12.8	0.0	5749.8	5749.8
1.1.11	0.0	20.9	20.9	0.0	2088.0	2088.0	0.0	27.2	27.2	0.0	2722.3	2722.3
1.1.12	0.0	19.7	19.7	0.0	2462.5	2462.5	0.0	25.7	25.7	0.0	3210.6	3210.6
1.1.13	0.0	20.3	20.3	0.0	7309.8	7309.8	0.0	26.5	26.5	0.0	9530.5	9530.5
1.1.14	0.0	5.2	5.2	0.0	3661.0	3661.0	0.0	6.8	6.8	0.0	4773.2	4773.2
1.1.15	0.0	8.3	8.3	0.0	832.5	832.5	0.0	10.9	10.9	0.0	1085.4	1085.4
1.1.16	0.0	3.1	3.1	0.0	459.8	459.8	0.0	4.0	4.0	0.0	599.4	599.4
1.1.17	0.0	7.6	7.6	0.0	380.3	380.3	0.0	9.9	9.9	0.0	495.8	495.8
1.1.18	0.0	3.1	3.1	0.0	462.0	462.0	0.0	4.0	4.0	0.0	602.4	602.4
1.1.19	0.0	2643.0	2643.0	0.0	2643.0	2643.0	0.0	3445.9	3445.9	0.0	3445.9	3445.9
1.1.20	0.0	567.5	567.5	0.0	567.5	567.5	0.0	739.9	739.9	0.0	739.9	739.9
1.1.21	0.0	323.0	323.0	0.0	323.0	323.0	0.0	421.1	421.1	0.0	421.1	421.1
1.1.22	0.0	18.5	18.5	0.0	221.5	221.5	0.0	24.1	24.1	0.0	288.8	288.8
1.1.23	0.0	333.0	333.0	0.0	1998.0	1998.0	0.0	434.2	434.2	0.0	2605.0	2605.0
1.1.24	0.0	240.5	240.5	0.0	1443.0	1443.0	0.0	313.6	313.6	0.0	1881.4	1881.4
1.1.25	0.0	336.0	336.0	0.0	336.0	336.0	0.0	438.1	438.1	0.0	438.1	438.1
1.1.26	0.0	331.0	331.0	0.0	1986.0	1986.0	0.0	431.6	431.6	0.0	2589.3	2589.3
1.1.27	0.0	1974.0	1974.0	0.0	5922.0	5922.0	0.0	2573.7	2573.7	0.0	7721.1	7721.1
1.1.28	0.0	254.4	254.4	0.0	1017.7	1017.7	0.0	331.7	331.7	0.0	1326.8	1326.8
1.1.29	0.0	468.0	468.0	0.0	5616.0	5616.0	0.0	610.2	610.2	0.0	7322.1	7322.1
1.1.30	0.0	496.2	496.2	0.0	992.5	992.5	0.0	647.0	647.0	0.0	1294.0	1294.0
1.1.31	0.0	1507.5	1507.5	0.0	9045.0	9045.0	0.0	1965.5	1965.5	0.0	11792.9	11792.9
1.1.32	0.0	120.0	120.0	0.0	1440.0	1440.0	0.0	156.5	156.5	0.0	1877.5	1877.5
1.1.33	0.0	132.5	132.5	0.0	265.0	265.0	0.0	172.8	172.8	0.0	345.5	345.5
1.1.34	0.0	62.7	62.7	0.0	188.2	188.2	0.0	81.8	81.8	0.0	245.4	245.4
1.1.35	0.0	4573.5	4573.5	0.0	22867.5	22867.5	0.0	5962.9	5962.9	0.0	29814.6	29814.6
1.1.36	0.0	8921.0	8921.0	0.0	17842.0	17842.0	0.0	11631.2	11631.2	0.0	23262.4	23262.4
1.1.37	0.0	7715.5	7715.5	0.0	30862.0	30862.0	0.0	10059.5	10059.5	0.0	40237.9	40237.9
1.1.38	0.0	7165.0	7165.0	0.0	14330.0	14330.0	0.0	9341.7	9341.7	0.0	18683.5	18683.5
1.1.39	0.0	305.0	305.0	0.0	1220.0	1220.0	0.0	397.7	397.7	0.0	1590.6	1590.6
1.1.40	0.0	33.3	33.3	0.0	99.8	99.8	0.0	43.4	43.4	0.0	130.2	130.2
1.1.41	0.0	32.4	32.4	0.0	97.2	97.2	0.0	42.2	42.2	0.0	126.7	126.7
1.1.42	0.0	31.2	31.2	0.0	562.1	562.1	0.0	40.7	40.7	0.0	732.8	732.8
1.1.43	0.0	205.0	205.0	0.0	1025.0	1025.0	0.0	267.3	267.3	0.0	1336.4	1336.4
1.1.44	0.0	100.0	100.0	0.0	300.0	300.0	0.0	130.4	130.4	0.0	391.1	391.1
1.1.45	0.0	462.5	462.5	0.0	4625.0	4625.0	0.0	603.0	603.0	0.0	6030.1	6030.1
1.1.46	0.0	8.3	8.3	0.0	124.2	124.2	0.0	10.8	10.8	0.0	161.9	161.9
1.1.47	0.0	21.0	21.0	0.0	1006.6	1006.6	0.0	27.3	27.3	0.0	1312.4	1312.4
1.1.48	0.0	3652.0	3652.0	0.0	3652.0	3652.0	0.0	4761.5	4761.5	0.0	4761.5	4761.5
1.1.49	0.0	595.0	595.0	0.0	595.0	595.0	0.0	775.8	775.8	0.0	775.8	775.8
1.1.50	0.0	2091.0	2091.0	0.0	10455.0	10455.0	0.0	2726.2	2726.2	0.0	13631.2	13631.2
1.1.51	0.0	1311.5	1311.5	0.0	3934.5	3934.5	0.0	1709.9	1709.9	0.0	5129.8	5129.8
1.1.52	0.0	256.0	256.0	0.0	2304.0	2304.0	0.0	333.8	333.8	0.0	3004.0	3004.0
1.1.53	0.0	218.0	218.0	0.0	436.0	436.0	0.0	284.2	284.2	0.0	568.5	568.5
1.1.54	0.0	2151.5	2151.5	0.0	2151.5	2151.5	0.0	2805.1	2805.1	0.0	2805.1	2805.1
1.1.55	0.0	1023.5	1023.5	0.0	1023.5	1023.5	0.0	1334.4	1334.4	0.0	1334.4	1334.4
1.1.56	0.0	7319.5	7319.5	0.0	7319.5	7319.5	0.0	9543.2	9543.2	0.0	9543.2	9543.2
1.1.57	0.0	8411.8	8411.8	0.0	25235.5	25235.5	0.0	10967.3	10967.3	0.0	32902.0	32902.0
1.1.58	0.0	489.0	489.0	0.0	13692.0	13692.0	0.0	637.6	637.6	0.0	17851.6	17851.6
1.1.59	0.0	222.5	222.5	0.0	222.5	222.5	0.0	290.1	290.1	0.0	290.1	290.1
1.1.60	0.0	113.5	113.5	0.0	454.0	454.0	0.0	148.0	148.0	0.0	591.9	591.9
1.1.61	0.0	446.5	446.5	0.0	1786.0	1786.0	0.0	582.1	582.1	0.0	2328.6	2328.6
1.1.62	0.0	510.0	510.0	0.0	1275.0	1275.0	0.0	664.9	664.9	0.0	1662.3	1662.3
1.1.63	0.0	55.2	55.2	0.0	110.3	110.3	0.0	71.9	71.9	0.0	143.8	143.8
1.1.64	0.0	571.5	571.5	0.0	571.5	571.5	0.0	745.1	745.1	0.0	745.1	745.1
1.1.65	0.0	48626.0	48626.0	0.0	48626.0	48626.0	0.0	63398.6	63398.6	0.0	63398.6	63398.6
1.1.66	0.0	15.7	15.7	0.0	235.4	235.4	0.0	20.5	20.5	0.0	306.8	306.8
1.1.67	0.0	40.7	40.7	0.0	122.0	122.0	0.0	53.0	53.0	0.0	159.0	159.0
1.1.68	0.0	927.0	927.0	0.0	927.0	927.0	0.0	1208.6	1208.6	0.0	1208.6	1208.6
1.1.69	0.0	100.0	100.0	0.0	100.0	100.0	0.0	130.4	130.4	0.0	130.4	130.4
1.1.70	0.0	21.6	21.6	0.0	108.2	108.2	0.0	28.2	28.2	0.0	141.0	141.0
1.1.71	0.0	32.6	32.6	0.0	49.0	49.0	0.0	42.6	42.6	0.0	63.8	63.8
1.1.72	0.0	113.5	113.5	0.0	113.5	113.5	0.0	148.0	148.0	0.0	148.0	148.0
1.1.73	0.0	39.0	39.0	0.0	77.9	77.9	0.0	50.8	50.8	0.0	101.6	101.6
1.1.74	0.0	581.0	581.0	0.0	581.0	581.0	0.0	757.5	757.5	0.0	757.5	757.5
1.1.75	0.0	560.0	560.0	0.0	2240.0	2240.0	0.0	730.1	730.1	0.0	2920.5	2920.5
1.1.76	0.0	15.2	15.2	0.0	530.6	530.6	0.0	19.8	19.8	0.0	691.8	691.8
1.1.77	0.0	5.2	5.2	0.0	139.3	139.3	0.0	6.7	6.7	0.0	181.6	181.6
1.1.78	0.0	488.0	488.0	0.0	488.0	488.0	0.0	636.3	636.3	0.0	636.3	636.3
1.1.79	0.0	21.1	21.1	0.0	105.4	105.4	0.0	27.5	27.5	0.0	137.4	137.4
1.1.80	0.0	35.1	35.1	0.0	52.7	52.7	0.0	45.8	45.8	0.0	68.7	68.7
1.1.81	0.0	34.2	34.2	0.0	34.2	34.2	0.0	44.6	44.6	0.0	44.6	44.6
1.1.82	0.0	946.5	946.5	0.0	946.5	946.5	0.0	1234.0	1234.0	0.0	1234.0	1234.0
1.1.83	0.0	2.0	2.0	0.0	1012.5	1012.5	0.0	2.6	2.6	0.0	1320.1	1320.1
1.1.84	0.0	4.3	4.3	0.0	2150.0	2150.0	0.0	5.6	5.6	0.0	2803.2	2803.2
1.1.85	0.0	12.9	12.9	0.0	6472.5	6472.5	0.0	16.9	16.9	0.0	8438.8	8438.8
1.1.86	0.0	19.7	19.7	0.0	9825.0	9825.0	0.0	25.6	25.6	0.0	12809.8	12809.8
1.1.87	0.0	28.2	28.2	0.0	14097.5	14097.5	0.0	36.8	36.8	0.0	18380.3	18380.3
1.1.88	0.0	54.5	54.5	0.0	27227.5	27227.5	0.0	71.0	71.0	0.0	35499.2	35499.2
1.1.89	0.0	1239.0	1239.0	0.0	24780.0	24780.0	0.0	1615.4	1615.4	0.0	32308.2	32308.2
1.1.90	0.0	35.9	35.9	0.0	28700.0	28700.0	0.0	46.8	46.8	0.0	37419.1	37419.1
1.1.91	0.0	15.5	15.5	0.0	12360.0	12360.0	0.0	20.1	20.1	0.0	16115.0	16115.0
1.2											TOTAL	
1.2.1	61500,0	49980,0	80730,0	153750,0	249900,0	403650,0	40091,9	65163,9	105255,8	200459,3	325819,6	526278,9
1.2.2	31200.0	25200.0	40800.0	15600.0	25200.0	40800.0	20339.3	32855.8	53195.0	20339.3	32855.8	53195.0
1.2.3	41200.0	31400.0	52000.0	61800.0	94200.0	156000.0	26858.3	40939.3	67797.6	80574.8	122818.0	203392.8
1.2.4	10500.0	10200.0	15450.0	15750.0	30600.0	46350.0	6845.0	13298.8	20143.7	20534.9	39896.3	60431.1
1.2.5	10200.0	10650.0	15750.0	30600.0	63900.0	94500.0	6649.4	13885.5	20534.9	39896.3	83312.8	123209.1
1.2.6	62700.0	48600.0	79950.0	62700.0	97200.0	159900.0	40874.1	63364.7	104238.8	81748.3	126729.4	208477.6
1.2.7	30450.0	26575.0	41800.0	30450.0	53150.0	83600.0	19850.4	34648.5	54498.8	39700.7	69297.0	108997.7
1.2.8	31050.0	25075.0	40600.0	15525.0	25075.0	40600.0	20241.5	32692.8	52934.3	20241.5	32692.8	52934.3
1.2.9	80800.0	80800.0	121200.0	40400.0	80800.0	121200.0	52673.5	105347.0	158020.6	52673.5	105347.0	158020.6
1.2.10	20900.0	26630.0	37080.0	10450.0	26630.0	37080.0	13624.7	34720.2	48344.9	13624.7	34720.2	48344.9
1.2.11	41000.0	31750.0	52250.0	41000.0	63500.0	104500.0	26727.9	41395.7	68123.6	53455.8	82791.3	136247.1
1.2.12	42000.0	25800.0	46800.0	21000.0	25800.0	46800.0	27379.8	33638.0	61017.8	27379.8	33638.0	61017.8
1.2.13	10300.0	31600.0	36750.0	5150.0	31600.0	36750.0	6714.6	41200.1	47914.7	6714.6	41200.1	47914.7
1.2.14	0.0	39882.0	39882.0	0.0	39882.0	39882.0	0.0	51998.2	51998.2	0.0	51998.2	51998.2
1.2.15	62400.0	9800.0	41000.0	31200.0	9800.0	41000.0	40678.6	12777.2	53455.8	40678.6	12777.2	53455.8
1.2.16	41400.0	30800.0	51500.0	20700.0	30800.0	51500.0	26988.7	40157.0	67145.7	26988.7	40157.0	67145.7
1.2.17	51750.0	0.0	25875.0	25875.0	0.0	25875.0	33735.8	0.0	33735.8	33735.8	0.0	33735.8
1.2.18	75.0	0.0	37.5	30000.0	0.0	30000.0	48.9	0.0	48.9	39114.0	0.0	39114.0
1.2.19	35.0	0.0	17.5	14000.0	0.0	14000.0	22.8	0.0	22.8	18253.2	0.0	18253.2