

ARSAL SERVIÇOS DE ENGENHARIA E CONSTRUÇÕES LTDA

PLANILHA ORÇAMENTÁRIA

LISTA DE MATERIAIS E MÃO DE OBRA PARA INSTALAÇÃO DE ILUMINAÇÃO PÚBLICA NA RUA ANTONIO NUNES - PREFEITURA MUNICIPAL DE SERRA AZUL DE MINAS

ITEM	CÓDIGO	DESCRIÇÃO	UNID.	QUNAT.	VL. UNT. MATERIAL	VAL. MAO DE OBRA	VL. TOTAL	VL. TOTAL COM BDI 23%
01	237222	AFASTADOR ARMAÇAO SECUNDARIA 500MM	PC	1.00	134.02	R\$ 30.82	R\$ 164.84	R\$ 164.84
02	229005	ALCA PREF CB CA-CAL(CAA) 70MM2 MULTIPLEX	PC	3.00	8.95	R\$ 2.06	R\$ 11.01	R\$ 33.03
03	237677	ALCA PREF ESTAI P/ CB ACO DN 9,5MM(3/8P)	PC	2.00	14.90	R\$ 3.43	R\$ 18.33	R\$ 36.65
04	75721	ARRUELA QUADRADA 38X18X3MM	PC	11.00	3.75	R\$ 0.86	R\$ 4.61	R\$ 50.74
05	327692	BRACADEIRA PLASTICA P/ CABO MULTIPLEXADO	PC	36.00	14.00	R\$ 3.22	R\$ 17.22	R\$ 619.92
06	258905	BRACO IP TIPO CURTO	PC	3.00	55.65	R\$ 12.80	R\$ 68.45	R\$ 205.35
07	231712	BRACO SUPORTE C/GPO 6,5-9,5MM IT2	CJ	4.00	42.02	R\$ 9.66	R\$ 51.68	R\$ 206.74
08	357255	BRACO TIPO J - RDP	PC	1.00	494.97	R\$ 113.84	R\$ 608.81	R\$ 608.81
09	2931	CABO ACO DN 6,4MM (1/4P) SM 7 FIOS ZINC	KG	6.00	5.65	R\$ 1.30	R\$ 6.95	R\$ 41.70
10	225623	CABO AL 1X 16MM2 XLPE 0,6/1KV	M	3.00	5.60	R\$ 1.29	R\$ 6.89	R\$ 20.66
11	225656	CABO AL 1X 70MM2 CL2 XLPE 0.6/1KV	M	6.00	6.32	R\$ 1.45	R\$ 7.77	R\$ 46.64
12	225615	CABO CU 1X 1,5MM2 CL2 EPR/XLPE 0,6/1KV	M	25.20	3.25	R\$ 0.75	R\$ 4.00	R\$ 100.74
13	231548	CABO PROTEGIDO AL 1X 50MM2 15KV	M	15.50	7.75	R\$ 1.78	R\$ 9.53	R\$ 147.75
14	226373	CABO QUADRUPLIX CA 3X1X 70+70MM2 0,6/1KV	M	225.00	27.84	R\$ 6.40	R\$ 34.24	R\$ 7,704.72
15	270439	CHAVE FUSIVEL 100A 15KV 7,1KA	PC	3.00	272.28	R\$ 62.62	R\$ 334.90	R\$ 1,004.71
16	236851	CINTA ACO D 190MM S/ PARAFUSO	PC	1.00	16.86	R\$ 3.88	R\$ 20.74	R\$ 20.74
17	236869	CINTA ACO D 200MM S/ PARAFUSO	PC	1.00	17.34	R\$ 3.99	R\$ 21.33	R\$ 21.33
18	236877	CINTA ACO D 210MM S/ PARAFUSO	PC	1.00	18.70	R\$ 4.30	R\$ 23.00	R\$ 23.00
19	236901	CINTA ACO D 240MM S/ PARAFUSO	PC	3.00	23.84	R\$ 5.48	R\$ 29.32	R\$ 87.97
20	236919	CINTA ACO D 250MM S/ PARAFUSO	PC	2.00	31.13	R\$ 7.16	R\$ 38.29	R\$ 76.58
21	236935	CINTA ACO D 270MM S/ PARAFUSO	PC	2.00	22.41	R\$ 5.15	R\$ 27.56	R\$ 55.13
22	236943	CINTA ACO D 280MM S/ PARAFUSO	PC	1.00	22.51	R\$ 5.18	R\$ 27.69	R\$ 27.69
23	375058	COB. PROT. BUCHA TFO IT1	PC	3.00	20.54	R\$ 4.72	R\$ 25.26	R\$ 75.79
24	39586	COBERTURA ISOLANTE FLEX. P/ BUCHA TRAFÓ	PC	3.00	9.06	R\$ 2.08	R\$ 11.14	R\$ 33.43
25	227769	CONECTOR COMP FORM H(1) 16-35 X 16-35	PC	6.00	2.70	R\$ 0.62	R\$ 3.32	R\$ 19.93
26	227777	CONECTOR COMP FORM H(2) 25-70 X 16-35	PC	4.00	3.34	R\$ 0.77	R\$ 4.11	R\$ 16.43
27	227785	CONECTOR COMP FORM H(3) 50-70 X 50-70	PC	6.00	5.92	R\$ 1.36	R\$ 7.28	R\$ 43.69
28	227884	CONECTOR DER 1.27-6.34MM CUNHA (4) AZUL	PC	4.00	1.92	R\$ 0.44	R\$ 2.36	R\$ 9.45
29	227868	CONECTOR DER 3.17-8.12MM CUNHA (2) VERDE	PC	4.00	3.20	R\$ 0.74	R\$ 3.94	R\$ 15.74
30	327726	CONECTOR PERFURACAO 16-70/6-35 NILED	PC	23.00	15.23	R\$ 3.50	R\$ 18.73	R\$ 430.86
31	327767	CONECTOR PERFURACAO 70-120/70-120 NILED	PC	9.00	18.78	R\$ 4.32	R\$ 23.10	R\$ 207.89
32	338731	CONECTOR TER. COMP. ALUM. 16MM2 1 FURO	PC	3.00	14.28	R\$ 3.28	R\$ 17.56	R\$ 52.69
33	227066	CONECTOR TERM COMP CA 54/70MM2 2 FUIROS	PC	4.00	4.10	R\$ 0.94	R\$ 5.04	R\$ 20.17
34	227389	CONECTOR TERM COMP CB ACO 6.4MM 1 FURO	PC	7.00	2.72	R\$ 0.63	R\$ 3.35	R\$ 23.42
35	231886	CONECTOR TERM. COMP. 50MM2 PROT. 1F	PC	6.00	5.98	R\$ 1.38	R\$ 7.36	R\$ 44.13
36	231175	CONECTOR ATER. FERRAGEM IP FIO AL 10MM2	PC	6.00	2.36	R\$ 0.54	R\$ 2.90	R\$ 17.42
37	271353	ELO FUSIVEL DISTRIB 500MM 3H	PC	3.00	5.23	R\$ 1.20	R\$ 6.43	R\$ 19.30
38	338079	ESPACADOR MONOFASICO 2A 50/150	PC	1.00	28.12	R\$ 6.47	R\$ 34.59	R\$ 34.59
39	328120	ESTRIBO PARA BRACO L	PC	3.00	11.58	R\$ 2.66	R\$ 14.24	R\$ 42.73
40	234492	FIO ALUMINIO 5,1MM TERMOPLASTICO P/ AMAR	M	4.50	5.08	R\$ 1.17	R\$ 6.25	R\$ 28.12
41	378842	GRAMPO DE LINHA VIVA	PC	3.00	80.42	R\$ 18.50	R\$ 98.92	R\$ 296.75
42	222539	HASTE ATERRAMENTO 2400MM ACO	PC	4.00	59.59	R\$ 13.71	R\$ 73.30	R\$ 293.18
43	219642	ISOLADOR PINO POLIMERICO 15KV	PC	3.00	16.21	R\$ 3.73	R\$ 19.94	R\$ 59.81
44	374393	MANTA AUTO ADESIVA 15KV RDP	PC	1.00	75.07	R\$ 17.27	R\$ 92.34	R\$ 92.34
45	237289	OLHAL P/ PARAFUSO CL 70KN (FORJADO)	PC	23.00	16.64	R\$ 3.83	R\$ 20.47	R\$ 470.75
46	289058	PARA-RAIOS 12KV 10KA POLIMERICO	PC	3.00	169.02	R\$ 38.87	R\$ 207.89	R\$ 623.68
47	293357	PARA-RAIOS SECUNDARIO ISOLADO 10KA	PC	3.00	72.24	R\$ 16.62	R\$ 88.86	R\$ 266.57
48	66878	PARAFUSO CAB ABAUL PESC QUAD M16X 45MM	PC	18.00	2.79	R\$ 0.64	R\$ 3.43	R\$ 61.77
49	66886	PARAFUSO CAB ABAUL PESC QUAD M16X 70MM	PC	30.00	6.62	R\$ 1.52	R\$ 8.14	R\$ 244.28
50	74823	PARAFUSO CAB PORCA QUADRADA M16X250MM	PC	6.00	6.79	R\$ 1.56	R\$ 8.35	R\$ 50.11
51	74831	PARAFUSO CAB PORCA QUADRADA M16X300MM	PC	6.00	7.19	R\$ 1.65	R\$ 8.84	R\$ 53.06
52	74849	PARAFUSO CAB PORCA QUADRADA M16X350MM	PC	3.00	8.20	R\$ 1.89	R\$ 10.09	R\$ 30.26
53	74856	PARAFUSO CAB PORCA QUADRADA M16X400MM	PC	3.00	9.15	R\$ 2.10	R\$ 11.25	R\$ 33.76

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54	75036	PARAFUSO CAB PORCA SEXT M12X40MM BRONZE	PC	8.00	14.20	R\$ 3.27	R\$ 17.47	R\$ 139.73
55	236265	PINO ACO ZINCADO 214MM 15KV	PC	3.00	21.50	R\$ 4.95	R\$ 26.45	R\$ 79.34
56	207449	POSTE CONCRETO CIRCULAR 11M 600DAN	PC	2.00	2,100.00	R\$ 483.00	R\$ 2,583.00	R\$ 5,166.00
57	207373	POSTE CONCRETO DUPLO T 11M 300DAN	PC	3.00	1,550.00	R\$ 356.50	R\$ 1,906.50	R\$ 5,719.50
58	237768	SAPATILHA	PC	9.00	2.94	R\$ 0.68	R\$ 3.62	R\$ 32.55
59	237073	SUPORTE PARA TRAF0 225MM	PC	1.00	98.55	R\$ 22.67	R\$ 121.22	R\$ 121.22
60	237081	SUPORTE PARA TRAF0 240MM	PC	1.00	121.10	R\$ 27.85	R\$ 148.95	R\$ 148.95
61	245837	TRAF0 TRIFASICO DIST. 45KVA 15000/220V	PC	1.00	6,800.23	R\$ 1,564.05	R\$ 8,364.28	R\$ 8,364.28
62	352237	IDENTIFICADOR DE FASE A	PC	1.00	1.89	R\$ 0.43	R\$ 2.32	R\$ 2.32
63	352242	IDENTIFICADOR DE FASE B	PC	1.00	1.89	R\$ 0.43	R\$ 2.32	R\$ 2.32
64	352260	IDENTIFICADOR DE FASE C	PC	1.00	1.89	R\$ 0.43	R\$ 2.32	R\$ 2.32
65	LUM LED	LUMINÁRIA DE LED DE 60W	PC	3.00	1,322.00	R\$ 304.06	R\$ 1,626.06	R\$ 4,878.18
66	327361	RELE FOTOELETRICO ELETRONICO 127V	PC	3.00	62.32	R\$ 14.33	R\$ 76.65	R\$ 229.96
VALOR TOTAL								R\$ 39,904.22

BELO HORIZONTE, 18 DE MAIO DE 2020

18.310.074/0001-90

ARSAL ENGENHARIA LTDA

RUA IRMÃOS RODRIGUES, 185

B. AARÃO REIS - CEP 31.814-650

BELO HORIZONTE - MINAS GERAIS

RESPONSÁVEL TÉCNICO - ÁUREO ANTONIO RIBEIRO SALDANHA
ART: 1420200000005994947