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| **PLANILHA ORÇAMENTÁRIA** | | | | | | | |
| **INFORMAÇÕES GERAIS** | | | | | | | |
| **Município:** AGUA COMPRIDA MG  **Projeto:** ILUMINAÇÃO PÚBLICA  **AUTOR: MAX ANDRÉ ANTONIO RODRIGUES Nº CREA: MG 138862/D**  **BDI: 25%**  **Data:** 22/03/2022 | | | | | **REFERÊNCIAS DE PREÇOS:** | | **Planilha Referência** |
| SINAPI |
| SETOP\_Triângulo |
| **PLANILHA ORÇAMENTÁRIA** | | | | | | | |
| **Item** | **Código** | **Descrição** | **Unid.** | **Quantidade** | **Preço (R$)** | | |
|  | **Sem BDI** | **Com BDI** |
| **Unitário** | **Total** | **Total** |
| **1** | 237222 | AFASTADOR ARM SEC 500MM | PC | 3,00 | 93,73 | 281,19 | **351,49** |
| **2** | 000230102 | ALCA P/ CONETOR ESTRIBO CU 35MM2-ABERTA | PC | 76,00 | 12,20 | 927,20 | **1.159,00** |
| **3** | 000229005 | ALCA PREF CB CA-CAL(CAA) 70MM2 MULTIPL | PC | 44,00 | 6,42 | 282,48 | **353,10** |
| **4** | 000237677 | ALCA PREF ESTAI P/ CORDOALHA DN 9,5MM | PC | 15,00 | 7,35 | 110,25 | **137,81** |
| **5** | 000075721 | ARRUELA QUAD.38X18X3MM | PC | 184,00 | 0,91 | 167,44 | **209,30** |
| **6** | 000327692 | BRACADEIRA PLAST CB MULT | PC | 169,00 | 1,36 | 229,84 | **287,30** |
| **7** | 000328138 | BRACO ANTI-BALANCO | PC | 6,00 | 19,23 | 115,38 | **144,23** |
| **8** | 000258921 | BRACO P/IP TIPO MEDIO | PC | 50,00 | 102,22 | 5.111,00 | **6.388,75** |
| **9** | 000231712 | BRACO SUP C/GRAMPO CB 70MM | CJ | 32,00 | 37,33 | 1.194,56 | **1.493,20** |
| **10** | 000211789 | BRACO SUPORTE C | PC | 8,00 | 60,50 | 484,00 | **605,00** |
| **11** | 000211771 | BRACO SUPORTE L | PC | 7,00 | 27,28 | 190,96 | **238,70** |
| **12** | 000357255 | BRACO TIPO J - RDP | PC | 1,00 | 151,19 | 151,19 | **188,99** |
| **13** | 000223818 | CANTONEIRA PARA BRACO C | PC | 7,00 | 26,96 | 188,72 | **235,90** |
| **14** | 000231860 | CARTUCHO APLIC AZUL | PC | 60,00 | 2,64 | 158,40 | **198,00** |
| **15** | 000002964 | CB ACO HS 3/8 (9,5)7F | KG | 207,06 | 85,10 | 17.620,81 | **22.026,01** |
| **16** | 000002931 | CB ACO MR CL.A 6,4MM 7 F | KG | 48,90 | 75,23 | 3.678,75 | **4.598,43** |
| **17** | 000225623 | CB AL 1X 16MM2 1KV | M | 9,00 | 54,57 | 491,13 | **613,91** |
| **18** | 000231548 | CB AL 1X 50MM2 15KV PROTEGIDO | M | 1.564,50 | 10,83 | 16.943,54 | **21.179,42** |
| **19** | 000225656 | CB AL 1X 70MM2 1KV XLPE | M | 18,00 | 42,33 | 761,94 | **952,43** |
| **20** | 000225615 | CB CU 1,5MM2 1KV EPR/XLPE | M | 450,00 | 2,23 | 1.003,50 | **1.254,38** |
| **21** | 000226373 | CB QUAD CA 3X1X 70+70 1KV | M | 1.784,00 | 43,76 | 78.067,84 | **97.584,80** |
| **22** | 000270439 | CH FUS 15KV 100A 10KA 95KV C/ CARTUCHO | PC | 12,00 | 183,33 | 2.199,96 | **2.749,95** |
| **23** | 000236851 | CINTA ACO D 190MM | PC | 8,00 | 37,44 | 299,52 | **374,40** |
| **24** | 000236877 | CINTA ACO D 210MM | PC | 36,00 | 46,56 | 1.676,16 | **2.095,20** |
| **25** | 000236885 | CINTA ACO D 220MM | PC | 8,00 | 47,43 | 379,44 | **474,30** |
| **26** | 000236893 | CINTA ACO D 230MM | PC | 22,00 | 48,43 | 1.065,46 | **1.331,83** |
| **27** | 000236901 | CINTA ACO D 240MM | PC | 13,00 | 50,42 | 655,46 | **819,33** |
| **28** | 000236919 | CINTA ACO D 250MM | PC | 10,00 | 52,53 | 525,30 | **656,63** |
| **29** | 000236927 | CINTA ACO D 260MM | PC | 9,00 | 53,67 | 483,03 | **603,79** |
| **30** | 000236935 | CINTA ACO D 270MM | PC | 1,00 | 55,65 | 55,65 | **69,56** |
| **31** | 000236943 | CINTA ACO D 280MM | PC | 1,00 | 58,78 | 58,78 | **73,48** |
| **32** | 000375058 | COB PROT P/ BUCHA BT TRAFO ITEM 1 | PC | 12,00 | 17,11 | 205,32 | **256,65** |
| **33** | 000039586 | COB.FLEXIVEL P/ BUCHA DE TRANSFORMADOR | PC | 9,00 | 17,11 | 153,99 | **192,49** |
| **34** | 000364562 | COBERTURA PROT CON RDP 23KV | PC | 60,00 | 15,96 | 957,60 | **1.197,00** |

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| **35** | 000231886 | CON TERM CA 50MM2 PROT 1F | PC | 18,00 | 14,90 | 268,20 | **335,25** |
| **36** | 000379679 | CONECTOR PERFURACAO 35-120MM2/1,5MM2 | PC | 108,00 | 11,91 | 1.286,28 | **1.607,85** |
| **37** | 000377357 | CONECTOR TERM. DE ATERRAM.TEMPORARIO | PC | 15,00 | 12,82 | 192,30 | **240,38** |
| **38** | 000231175 | CONETOR ATER FERRAGEM IP | PC | 100,00 | 1,41 | 141,00 | **176,25** |
| **39** | 000230052 | CONETOR BORNE CB CU 6MM2 | PC | 100,00 | 1,56 | 156,00 | **195,00** |
| **40** | 000227769 | CONETOR COMP H 16-35/16-35MM2 ITEM 1 | PC | 12,00 | 3,15 | 37,80 | **47,25** |
| **41** | 000227777 | CONETOR COMP H 25-70/16-35MM2 ITEM 2 | PC | 91,00 | 3,23 | 293,93 | **367,41** |
| **42** | 000227785 | CONETOR COMP H 50-70/50-70MM2 ITEM 3 | PC | 62,00 | 3,56 | 220,72 | **275,90** |
| **43** | 000231795 | CONETOR CUNHA AL 50 C/ESTRIBO | PC | 24,00 | 7,55 | 181,20 | **226,50** |
| **44** | 000227850 | CONETOR CUNHA CU ITEM 1 | PC | 55,00 | 3,69 | 202,95 | **253,69** |
| **45** | 000231696 | CONETOR CUNHA CU ITEM 6 | PC | 1,00 | 3,19 | 3,19 | **3,99** |
| **46** | 000231688 | CONETOR CUNHA CU ITEM 7 | PC | 37,00 | 4,79 | 177,23 | **221,54** |
| **47** | 000327726 | CONETOR PERFURACAO 16-70/6-35 ITEM 2 | PC | 21,00 | 7,55 | 158,55 | **198,19** |
| **48** | 000327767 | CONETOR PERFURACAO 70-120/70-120 ITEM 4 | PC | 114,00 | 8,98 | 1.023,72 | **1.279,65** |
| **49** | 000227389 | CONETOR TERM CB ACO 6,4/21 | PC | 27,00 | 1,70 | 45,90 | **57,38** |
| **50** | 000227066 | CONETOR TERM COMP 54MM2 | PC | 12,00 | 3,10 | 37,20 | **46,50** |
| **51** | 000338731 | CONETOR TERMINAL COMPRESSAO 16MM2 | PC | 9,00 | 2,03 | 18,27 | **22,84** |
| **52** | 000377706 | CRUZETA PLASTICA 2,40M C/FIBRA DE VIDRO | PC | 4,00 | 145,65 | 582,60 | **728,25** |
| **53** | 000271353 | ELO FUS.BOTAO 500MM 3H | PC | 9,00 | 6,32 | 56,88 | **71,10** |
| **54** | 000272153 | ELO FUS.BOTAO 500MM 15T | PC | 3,00 | 16,54 | 49,62 | **62,03** |
| **55** | 000377623 | ESPAC LOSANGULAR AUTO-TRAVANTE 50-150MM | PC | 48,00 | 18,21 | 874,08 | **1.092,60** |
| **56** | 000338079 | ESPAÇADOR MONOF 2A 50-150MM | PC | 3,00 | 25,43 | 76,29 | **95,36** |
| **57** | 000328120 | ESTRIBO P/ BRACO TIPO L | PC | 10,00 | 5,65 | 56,50 | **70,63** |
| **58** | 000234492 | FIO AL 5,1MM PARA AMARRACAO RDP | M1 | 10,80 | 23,32 | 251,86 | **314,82** |
| **59** | 000234567 | GRAMPO ANCORAGEM 50MM2 | PC | 36,00 | 34,24 | 1.232,64 | **1.540,80** |
| **60** | 000222539 | HASTE ATERRAMENTO 2,40M ACO | PC | 18,00 | 95,11 | 1.711,98 | **2.139,98** |
| **61** | 000352237 | IDENTIFICADOR DE FASE A | PC | 35,00 | 1,58 | 55,30 | **69,13** |
| **62** | 000352242 | IDENTIFICADOR DE FASE B | PC | 34,00 | 1,58 | 53,72 | **67,15** |
| **63** | 000352260 | IDENTIFICADOR DE FASE C | PC | 34,00 | 1,58 | 53,72 | **67,15** |
| **64** | 000219659 | ISOLADOR ANCORAGEM POLIMERICO 15KV | PC | 33,00 | 43,20 | 1.425,60 | **1.782,00** |
| **65** | 000219642 | ISOLADOR PINO POLIMERICO 15KV | PC | 6,00 | 43,20 | 259,20 | **324,00** |
| **66** | 000008080 | LUMINARIA COM LAMPADA LED DE 80W | PC | 50,00 | 521,12 | 26.056,00 | **32.570,00** |
| **67** | 000231571 | LUVA EMENDA CA 50MM2 RDP | PC | 6,00 | 6,86 | 41,16 | **51,45** |
| **68** | 000226464 | LUVA EMENDA CABO CA/CAL 53MM2 | PC | 15,00 | 8,98 | 134,70 | **168,38** |
| **69** | 000226506 | LUVA EMENDA CAL 70MM2 | PC | 5,00 | 9,09 | 45,45 | **56,81** |
| **70** | 000237271 | MANILHA SAPATILHA CL 50KN | PC | 33,00 | 9,35 | 308,55 | **385,69** |
| **71** | 000237784 | MAO FRANCESA PERFILADA | PC | 4,00 | 25,00 | 100,00 | **125,00** |
| **72** | 000237289 | OLHAL P/ PARAFUSO CL 70KN | PC | 165,00 | 17,41 | 2.872,65 | **3.590,81** |
| **73** | 000066688 | PARAFUSO CAB ABAUL M12x40MM | PC | 14,00 | 1,15 | 16,10 | **20,13** |
| **74** | 000066878 | PARAFUSO CAB ABAUL PESC QUAD M16X 45MM | PC | 125,00 | 6,38 | 797,50 | **996,88** |
| **75** | 000066886 | PARAFUSO CAB ABAUL PESC QUAD M16X 70MM | PC | 271,00 | 8,34 | 2.260,14 | **2.825,18** |
| **76** | 000074815 | PARAFUSO CAB PORCA QUAD M16X200MM | PC | 25,00 | 3,89 | 97,25 | **121,56** |
| **77** | 000074823 | PARAFUSO CAB PORCA QUAD M16X250MM | PC | 46,00 | 12,18 | 560,28 | **700,35** |

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| **78** | 000074831 | PARAFUSO CAB PORCA QUAD M16X300MM | PC | 94,00 | 16,01 | 1.504,94 | **1.881,18** |
| **79** | 000074856 | PARAFUSO CAB PORCA QUAD M16X400MM | PC | 10,00 | 21,71 | 217,10 | **271,38** |
| **80** | 000075044 | PARAFUSO CAB PORCA SEXT M12X50MM BRONZE | PC | 24,00 | 12,33 | 295,92 | **369,90** |
| **81** | 000289058 | PARA-RAIOS 12KV 10KA ZNO | PC | 9,00 | 323,54 | 2.911,86 | **3.639,83** |
| **82** | 000293357 | PARA-RAIOS SECUNDARIO ISOLADO 10KA | PC | 9,00 | 236,76 | 2.130,84 | **2.663,55** |
| **83** | 000236265 | PINO ACO ZINCADO ALT 60MM | PC | 6,00 | 5,47 | 32,82 | **41,03** |
| **84** | 000075630 | PORCA QUADRADA M16 ACO ZINCADA | PC | 82,00 | 1,35 | 110,70 | **138,38** |
| **85** | 000207415 | POSTE CIRCULAR 11M 300DAN CONCRETO | PC | 9,00 | 1.673,52 | 15.061,68 | **18.827,10** |
| **86** | 000207449 | POSTE CIRCULAR 11M 600DAN CONCRETO | PC | 9,00 | 2.800,54 | 25.204,86 | **31.506,08** |
| **87** | 000207373 | POSTE DT 11M 300DAN CONCRETO | PC | 33,00 | 1.379,20 | 45.513,60 | **56.892,00** |
| **88** | 000327361 | RELE FOTOELETRICO ELETRONICO | PC | 50,00 | 53,40 | 2.670,00 | **3.337,50** |
| **89** | 000237768 | SAPATILHA | PC | 60,00 | 4,94 | 296,40 | **370,50** |
| **90** | 000231647 | SEPARADOR VERTICAL 50-150MM2 | PC | 12,00 | 34,13 | 409,56 | **511,95** |
| **91** | 000237081 | SUPORTE 240MM TRAFO POSTE CONCRETO CIRC | PC | 6,00 | 102,68 | 616,08 | **770,10** |
| **92** | 000237172 | SUPORTE L P/CRUZETA | PC | 12,00 | 13,55 | 162,60 | **203,25** |
| **93** | 000231555 | SUPORTE Z P/CHAVE FUSIVEL | PC | 3,00 | 22,54 | 67,62 | **84,53** |
| **94** | 000245837 | TRAFO TRIFASICO 15KV 45KVA | PC | 3,00 | 10.466,33 | 31.398,99 | **39.248,74** |
| **95** | 000231464 | TUBO RECOMP CB 70MM2 1KV | PC | 15,00 | 23,54 | 353,10 | **441,38** |
| **96** | USPROJ | UNIDADE DE SERVICO DE PROJETO | US | 60,90 | 110,00 | 6.699,00 | **8.373,75** |
| **97** | USRDA | UNIDADE SERVICO REDE AEREA | US | 54,15 | 1.538,33 | 83.300,57 | **104.125,71** |
| **98** | 913657 | RELIGADOR TRIFÁSICO 15KV 630A 12,5KA | PÇ | 1,00 | 100.000,00 | 100.000,00 | **125.000,00** |
|  |  |  |  |  |  | **500.308,22** | **625.385,28** |