



**DEPARTAMENTO AUTÔNOMO DE ÁGUA E ESGOTOS**  
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**ANEXO IV - PLANILHA DE COMPOSIÇÃO DE PREÇOS**

ITEM	DESCRIÇÃO	UNID.	QTDADE.	FUNDAÇÃO ARAPORÃ		SEAPRO		VERACIDADE		VALOR MÉDIO	
				UNIT. (R\$)	TOTAL (R\$)	UNIT. (R\$)	TOTAL (R\$)	UNIT. (R\$)	TOTAL (R\$)	UNIT. (R\$)	TOTAL (R\$)
<b>1.0</b>	<b>MATERIAL PEDAGÓGICO</b>				<b>R\$ 2.343,600</b>		<b>R\$ 2.450,000</b>		<b>R\$ 1.680,700</b>		<b>R\$ 2.158,100</b>
1.1	material pedagógico	un.	35	R\$ 10,000	R\$ 350,000	R\$ 20,000	R\$ 700,000	R\$ 30,000	R\$ 1.050,000	R\$ 20,000	R\$ 700,000
1.2	Kit (Lápis, borracha, caneta e bloco de anotação)	un.	35	R\$ 4,960	R\$ 173,600	R\$ 30,000	R\$ 1.050,000	R\$ 3,020	R\$ 105,700	R\$ 12,660	R\$ 443,100
1.3	Certificado	un.	35	R\$ 2,000	R\$ 70,000	R\$ 10,000	R\$ 350,000	R\$ 5,000	R\$ 175,000	R\$ 5,667	R\$ 198,333
1.4	Outros materiais	un.	35	R\$ 50,000	R\$ 1.750,000	R\$ 10,000	R\$ 350,000	R\$ 10,000	R\$ 350,000	R\$ 23,333	R\$ 816,667
<b>2.0</b>	<b>MATERIAIS E FERRAMENTAS</b>				<b>R\$ 11.194,350</b>		<b>R\$ 3.960,500</b>		<b>R\$ 7.217,000</b>		<b>R\$ 7.457,283</b>
2.1	Arame liso galvanizado	m	300	R\$ 1,790	R\$ 537,000	R\$ 1,000	R\$ 300,000	R\$ 0,500	R\$ 150,000	R\$ 1,097	R\$ 329,000
2.2	Bombona de 30 litros com lacre para armazenar os resíduos orgânicos	un.	8	R\$ 130,000	R\$ 1.040,000	R\$ 30,000	R\$ 240,000	R\$ 50,000	R\$ 400,000	R\$ 70,000	R\$ 560,000
2.3	Carriola	un.	2	R\$ 200,000	R\$ 400,000	R\$ 160,000	R\$ 320,000	R\$ 120,000	R\$ 240,000	R\$ 160,000	R\$ 320,000
2.4	Cavadeira	un.	4	R\$ 54,800	R\$ 219,200	R\$ 48,000	R\$ 192,000	R\$ 55,000	R\$ 220,000	R\$ 52,600	R\$ 210,400
2.5	Enxada	un.	4	R\$ 35,900	R\$ 143,600	R\$ 45,000	R\$ 180,000	R\$ 45,000	R\$ 180,000	R\$ 41,967	R\$ 167,867
2.6	Enxadão	un.	4	R\$ 44,900	R\$ 179,600	R\$ 40,000	R\$ 160,000	R\$ 45,000	R\$ 180,000	R\$ 43,300	R\$ 173,200
2.7	Grampo galvanizado 1x9	Kg	2	R\$ 19,270	R\$ 38,540	R\$ 15,000	R\$ 30,000	R\$ 20,000	R\$ 40,000	R\$ 18,090	R\$ 36,180
2.8	Lima chata murça 6" com cabo	un.	4	R\$ 44,280	R\$ 177,120	R\$ 15,000	R\$ 60,000	R\$ 33,000	R\$ 132,000	R\$ 30,760	R\$ 123,040
2.9	Luvas pra jardinagem	pares	35	R\$ 10,990	R\$ 384,650	R\$ 8,000	R\$ 280,000	R\$ 16,000	R\$ 560,000	R\$ 11,663	R\$ 408,217
2.10	Martelo	un.	5	R\$ 36,000	R\$ 180,000	R\$ 25,000	R\$ 125,000	R\$ 38,000	R\$ 190,000	R\$ 33,000	R\$ 165,000
2.11	Mourão de eucalipto tratado - Diâmetro: 10-12cm; Comprim.: 2,20m	un.	40	R\$ 25,650	R\$ 1.026,000	R\$ 14,000	R\$ 560,000	R\$ 20,000	R\$ 800,000	R\$ 19,883	R\$ 795,333
2.12	Pá	un.	4	R\$ 29,110	R\$ 116,440	R\$ 45,000	R\$ 180,000	R\$ 38,000	R\$ 152,000	R\$ 37,370	R\$ 149,480
2.13	Pá de mão	un.	10	R\$ 7,990	R\$ 79,900	R\$ 15,000	R\$ 150,000	R\$ 8,000	R\$ 80,000	R\$ 10,330	R\$ 103,300
2.14	Peneira em Aço com 40cm de Diâmetro	un.	4	R\$ 55,000	R\$ 220,000	R\$ 35,000	R\$ 140,000	R\$ 27,000	R\$ 108,000	R\$ 39,000	R\$ 156,000
2.15	Prego galvanizado 13x18	Kg	2	R\$ 17,500	R\$ 35,000	R\$ 15,000	R\$ 30,000	R\$ 14,000	R\$ 28,000	R\$ 15,500	R\$ 31,000
2.16	Prego galvanizado 18x30	Kg	1	R\$ 16,800	R\$ 16,800	R\$ 15,000	R\$ 15,000	R\$ 18,000	R\$ 18,000	R\$ 16,600	R\$ 16,600
2.17	Rastelo	un.	4	R\$ 28,000	R\$ 112,000	R\$ 25,000	R\$ 100,000	R\$ 40,000	R\$ 160,000	R\$ 31,000	R\$ 124,000
2.18	Regador	un.	5	R\$ 20,000	R\$ 100,000	R\$ 20,000	R\$ 100,000	R\$ 30,000	R\$ 150,000	R\$ 23,333	R\$ 116,667
2.19	Serrote	un.	2	R\$ 38,900	R\$ 77,800	R\$ 25,000	R\$ 50,000	R\$ 42,000	R\$ 84,000	R\$ 35,300	R\$ 70,600
2.20	Sombrite 30%	m²	60	R\$ 10,120	R\$ 607,200	R\$ 3,500	R\$ 210,000	R\$ 1,500	R\$ 90,000	R\$ 5,040	R\$ 302,400
2.21	Tábua bruta 20x2cm (Canteiro suspenso)	m	120	R\$ 33,900	R\$ 4.068,000	R\$ 2,800	R\$ 336,000	R\$ 14,000	R\$ 1.680,000	R\$ 16,900	R\$ 2.028,000
2.22	Viga bruta 5x11cm (Canteiro suspenso)	m	45	R\$ 31,900	R\$ 1.435,500	R\$ 4,500	R\$ 202,500	R\$ 35,000	R\$ 1.575,000	R\$ 23,800	R\$ 1.071,000
<b>3.0</b>	<b>SISTEMA DE IRRIGAÇÃO</b>				<b>R\$ 4.286,910</b>		<b>R\$ 2.171,000</b>		<b>R\$ 2.191,000</b>		<b>R\$ 2.882,970</b>
3.1	Adaptador para registro 25mmx3/4"	un.	6	R\$ 14,900	R\$ 89,400	R\$ 1,000	R\$ 6,000	R\$ 4,000	R\$ 24,000	R\$ 6,633	R\$ 39,800
3.2	Adaptador com flange para caixa d'água 25mmx3/4"	un.	3	R\$ 15,900	R\$ 47,700	R\$ 12,000	R\$ 36,000	R\$ 11,000	R\$ 33,000	R\$ 12,967	R\$ 38,900
3.3	Estrutura de madeira para o reservatório (2,00m de altura)	un.	1	R\$ 2.000,000	R\$ 2.000,000	R\$ 500,000	R\$ 500,000	R\$ 800,000	R\$ 800,000	R\$ 1.100,000	R\$ 1.100,000
3.4	Filtro de disco 20mm	un.	1	R\$ 89,250	R\$ 89,250	R\$ 120,000	R\$ 120,000	R\$ 80,000	R\$ 80,000	R\$ 96,417	R\$ 96,417
3.5	Joelho soldável 25mm	un.	6	R\$ 0,650	R\$ 3,900	R\$ 1,000	R\$ 6,000	R\$ 1,000	R\$ 6,000	R\$ 0,883	R\$ 5,300
3.6	Mangueira de polietileno 20mm	m	100	R\$ 1,030	R\$ 103,000	R\$ 2,500	R\$ 250,000	R\$ 1,500	R\$ 150,000	R\$ 1,677	R\$ 167,667

3.7	Mangueiras de gotejadores com vazão 1,7 L/h	m	1000	R\$ 0,340	R\$ 340,000	R\$ 0,480	R\$ 480,000	R\$ 0,400	R\$ 400,000	R\$ 0,407	R\$ 406,667
3.8	Registro de esfera 20mm	un.	1	R\$ 18,900	R\$ 18,900	R\$ 25,000	R\$ 25,000	R\$ 8,000	R\$ 8,000	R\$ 17,300	R\$ 17,300
3.9	Registro de esfera 3/4"	un.	3	R\$ 24,560	R\$ 73,680	R\$ 25,000	R\$ 75,000	R\$ 9,000	R\$ 27,000	R\$ 19,520	R\$ 58,560
3.10	Reservatório 1000L de polietileno com tampa de rosca	un.	1	R\$ 793,900	R\$ 793,900	R\$ 550,000	R\$ 550,000	R\$ 526,000	R\$ 526,000	R\$ 623,300	R\$ 623,300
3.11	Torneira de bóia 3/4"	un.	1	R\$ 87,820	R\$ 87,820	R\$ 15,000	R\$ 15,000	R\$ 47,000	R\$ 47,000	R\$ 49,940	R\$ 49,940
3.12	Tubos de PVC soldável 25mm	m	36	R\$ 17,760	R\$ 639,360	R\$ 3,000	R\$ 108,000	R\$ 2,500	R\$ 90,000	R\$ 7,753	R\$ 279,120
4.0	<b>INSUMOS</b>				<b>R\$ 15.050,750</b>		<b>R\$ 3.528,300</b>		<b>R\$ 1.791,200</b>		<b>R\$ 6.790,083</b>
4.1	Calcário calcítico	Kg	80	R\$ 3,670	R\$ 293,600	R\$ 1,600	R\$ 128,000	R\$ 0,390	R\$ 31,200	R\$ 1,887	R\$ 150,933
4.2	Composto orgânico, esterco ou húmus	Kg	2000	R\$ 1,990	R\$ 3.980,000	R\$ 0,400	R\$ 800,000	R\$ 0,400	R\$ 800,000	R\$ 0,930	R\$ 1.860,000
4.3	Fertilizante fosfatado (Ref: Fertilizante Yoorin Fosfatado)	Kg	40	R\$ 9,900	R\$ 396,000	R\$ 2,570	R\$ 102,800	R\$ 2,000	R\$ 80,000	R\$ 4,823	R\$ 192,933
4.4	Fertilizante potássico (Ref: Fertilizante Yoorin Ekosil potássico)	Kg	80	R\$ 12,900	R\$ 1.032,000	R\$ 2,000	R\$ 160,000	R\$ 1,000	R\$ 80,000	R\$ 5,300	R\$ 424,000
4.5	<b>Mudas e sementes para cerca viva:</b>										
4.5.1	Ervilha Torta de Flor Roxa (sementes)	gramas	1000	R\$ 0,149	R\$ 149,000	R\$ 0,060	R\$ 60,000	R\$ 0,020	R\$ 20,000	R\$ 0,076	R\$ 76,333
4.5.2	Ora – Pro – Nobis	Mudas	20	R\$ 9,980	R\$ 199,600	R\$ 3,000	R\$ 60,000	R\$ 3,000	R\$ 60,000	R\$ 5,327	R\$ 106,533
4.6	<b>Mudas e sementes para adubação verde:</b>										
4.6.1	Crotalária (sementes)	gramas	1000	R\$ 0,010	R\$ 10,000	R\$ 0,060	R\$ 60,000	R\$ 0,008	R\$ 8,000	R\$ 0,026	R\$ 26,000
4.6.2	Feijão de Porco (sementes)	gramas	1000	R\$ 0,015	R\$ 15,000	R\$ 0,030	R\$ 30,000	R\$ 0,010	R\$ 10,000	R\$ 0,018	R\$ 18,333
4.6.3	Feijão Guandú (sementes)	gramas	1000	R\$ 0,019	R\$ 19,000	R\$ 0,020	R\$ 20,000	R\$ 0,012	R\$ 12,000	R\$ 0,017	R\$ 17,000
4.7	<b>Mudas e sementes plantio e atividades:</b>										
4.7.1	Abobrinha (sementes)	gramas	500	R\$ 0,380	R\$ 189,800	R\$ 0,320	R\$ 160,000	R\$ 0,016	R\$ 8,000	R\$ 0,239	R\$ 119,267
4.7.2	Acelga	Mudas	200	R\$ 0,710	R\$ 142,000	R\$ 0,100	R\$ 20,000	R\$ 0,150	R\$ 30,000	R\$ 0,320	R\$ 64,000
4.7.3	Agrião	Mudas	200	R\$ 0,590	R\$ 118,000	R\$ 0,100	R\$ 20,000	R\$ 0,150	R\$ 30,000	R\$ 0,280	R\$ 56,000
4.7.4	Alface	Mudas	200	R\$ 0,710	R\$ 142,000	R\$ 0,100	R\$ 20,000	R\$ 0,150	R\$ 30,000	R\$ 0,320	R\$ 64,000
4.7.5	Almeirão	Mudas	200	R\$ 0,900	R\$ 180,000	R\$ 0,100	R\$ 20,000	R\$ 0,150	R\$ 30,000	R\$ 0,383	R\$ 76,667
4.7.6	Berinjela	Mudas	200	R\$ 0,600	R\$ 120,000	R\$ 0,100	R\$ 20,000	R\$ 0,150	R\$ 30,000	R\$ 0,283	R\$ 56,667
4.7.7	Beterraba	Mudas	200	R\$ 1,390	R\$ 278,000	R\$ 0,100	R\$ 20,000	R\$ 0,150	R\$ 30,000	R\$ 0,547	R\$ 109,333
4.7.8	Beterraba (sementes)	gramas	500	R\$ 0,183	R\$ 91,500	R\$ 0,620	R\$ 310,000	R\$ 0,015	R\$ 7,500	R\$ 0,273	R\$ 136,333
4.7.9	Boldo	Mudas	25	R\$ 2,990	R\$ 74,750	R\$ 5,000	R\$ 125,000	R\$ 2,000	R\$ 50,000	R\$ 3,330	R\$ 83,250
4.7.10	Cebolinha	Mudas	25	R\$ 5,000	R\$ 125,000	R\$ 1,000	R\$ 25,000	R\$ 0,200	R\$ 5,000	R\$ 2,067	R\$ 51,667
4.7.11	Cenoura	Mudas	200	R\$ 2,500	R\$ 500,000	R\$ 0,200	R\$ 40,000	R\$ 0,150	R\$ 30,000	R\$ 0,950	R\$ 190,000
4.7.12	Chicória	Mudas	200	R\$ 3,000	R\$ 600,000	R\$ 0,100	R\$ 20,000	R\$ 0,150	R\$ 30,000	R\$ 1,083	R\$ 216,667
4.7.13	Couve	Mudas	200	R\$ 1,500	R\$ 300,000	R\$ 0,100	R\$ 20,000	R\$ 0,150	R\$ 30,000	R\$ 0,583	R\$ 116,667
4.7.14	Erva - Cidreira	Mudas	20	R\$ 1,500	R\$ 30,000	R\$ 5,000	R\$ 100,000	R\$ 0,500	R\$ 10,000	R\$ 2,333	R\$ 46,667
4.7.15	Feijão – Vagem (sementes)	gramas	1500	R\$ 0,018	R\$ 27,000	R\$ 0,060	R\$ 90,000	R\$ 0,015	R\$ 22,500	R\$ 0,031	R\$ 46,500
4.7.16	Hortelã	Mudas	25	R\$ 2,000	R\$ 50,000	R\$ 5,000	R\$ 125,000	R\$ 1,000	R\$ 25,000	R\$ 2,667	R\$ 66,667
4.7.17	Manjerição	Mudas	25	R\$ 2,500	R\$ 62,500	R\$ 5,000	R\$ 125,000	R\$ 2,000	R\$ 50,000	R\$ 3,167	R\$ 79,167
4.7.18	Melissa	Mudas	25	R\$ 2,500	R\$ 62,500	R\$ 5,000	R\$ 125,000	R\$ 1,000	R\$ 25,000	R\$ 2,833	R\$ 70,833
4.7.19	Orégano	Mudas	25	R\$ 3,500	R\$ 87,500	R\$ 5,000	R\$ 125,000	R\$ 0,500	R\$ 12,500	R\$ 3,000	R\$ 75,000
4.7.20	Pimentão	Mudas	200	R\$ 3,500	R\$ 700,000	R\$ 0,300	R\$ 60,000	R\$ 0,150	R\$ 30,000	R\$ 1,317	R\$ 263,333
4.7.21	Proejo	Mudas	100	R\$ 3,500	R\$ 350,000	R\$ 3,000	R\$ 300,000	R\$ 0,500	R\$ 50,000	R\$ 2,333	R\$ 233,333

4.7.22	Quiabo (sementes)	gramas	1000	R\$ 0,167	R\$ 167,100	R\$ 0,090	R\$ 90,000	R\$ 0,015	R\$ 15,000	R\$ 0,091	R\$ 90,700
4.7.23	Rabanete	Mudas	200	R\$ 2,500	R\$ 500,000	R\$ 0,100	R\$ 20,000	R\$ 0,150	R\$ 30,000	R\$ 0,917	R\$ 183,333
4.7.24	Rabanete (sementes)	gramas	1000	R\$ 2,500	R\$ 2.500,000	R\$ 0,040	R\$ 40,000	R\$ 0,015	R\$ 15,000	R\$ 0,852	R\$ 851,667
4.7.25	Repolho	Mudas	200	R\$ 0,980	R\$ 196,000	R\$ 0,300	R\$ 60,000	R\$ 0,150	R\$ 30,000	R\$ 0,477	R\$ 95,333
4.7.26	Rúcula	Mudas	200	R\$ 6,000	R\$ 1.200,000	R\$ 0,100	R\$ 20,000	R\$ 0,150	R\$ 30,000	R\$ 2,083	R\$ 416,667
4.7.27	Salsa	Mudas	25	R\$ 6,000	R\$ 150,000	R\$ 0,100	R\$ 2,500	R\$ 0,150	R\$ 3,750	R\$ 2,083	R\$ 52,083
4.7.28	Tomatinho (sementes)	gramas	50	R\$ 0,258	R\$ 12,900	R\$ 0,100	R\$ 5,000	R\$ 0,015	R\$ 0,750	R\$ 0,124	R\$ 6,217
5.0	<b>REFEIÇÃO</b>				<b>R\$ 2.164,400</b>		<b>R\$ 1.960,000</b>		<b>R\$ 3.080,000</b>		<b>R\$ 2.401,467</b>
5.1	Kit lanches (35 unidades por encontro – total de 8 encontros) (01 maçã; 01 lanche frio; 01 barra de cereal de 25 gramas; 01 suco natural de 300 ml.)	un.	280	R\$ 7,730	R\$ 2.164,400	R\$ 7,000	R\$ 1.960,000	R\$ 11,000	R\$ 3.080,000	R\$ 8,577	R\$ 2.401,467
6.0	<b>EQUIPE TÉCNICA</b>				<b>R\$ 12.080,000</b>		<b>R\$ 24.000,000</b>		<b>R\$ 16.500,000</b>		<b>R\$ 17.526,667</b>
6.1	Equipe técnica	un.	1	R\$ 12.080,000	R\$ 12.080,000	R\$ 24.000,000	R\$ 24.000,000	R\$ 16.500,000	R\$ 16.500,000	R\$ 17.526,667	R\$ 17.526,667

ITEM	DESCRIÇÃO	VALOR TOTAL (R\$)			VALOR MÉDIO (R\$)
		Fund. Araporã	Seapro	Veracidae	
1.0	MATERIAL PEDAGÓGICO	R\$ 2.343,600	R\$ 2.450,000	R\$ 1.680,700	R\$ 2.158,100
2.0	MATERIAIS E FERRAMENTAS	R\$ 11.194,350	R\$ 3.960,500	R\$ 7.217,000	R\$ 7.457,283
3.0	SISTEMA DE IRRIGAÇÃO	R\$ 4.286,910	R\$ 2.171,000	R\$ 2.191,000	R\$ 2.882,970
4.0	INSUMOS	R\$ 15.050,750	R\$ 3.528,300	R\$ 1.791,200	R\$ 6.790,083
5.0	REFEIÇÃO	R\$ 2.164,400	R\$ 1.960,000	R\$ 3.080,000	R\$ 2.401,467
6.0	EQUIPE TÉCNICA	R\$ 12.080,000	R\$ 24.000,000	R\$ 16.500,000	R\$ 17.526,667
	<b>TOTAL</b>	R\$ 47.120,010	R\$ 38.069,800	R\$ 32.459,900	R\$ 39.216,570

Técnico Responsável (Proponente)  
 Helton Alves de Galvão  
 Sociólogo - 0002206/SP