



MUNICÍPIO: LAGOA VERMELHA
OBRA: REFORMA, ADP, AMPLIAÇÃO ETA E UNIDADE DE TRATAMENTO DE LODO

COMPANHIA RIOGRANDENSE DE SANEAMENTO

CRONOGRAMA FÍSICO FINANCEIRO

ITEM	SERVIÇO	MESES/ DIAS ACUMULADOS																																	VALOR GLOBAL	
		1 30	2 60	3 90	4 120	5 150	6 180	7 210	8 240	9 270	10 300	11 330	12 360	13 390	14 420	15 450	16 480	17 510	18 540	19 570	20 600	21 630	22 660	23 690	24 720	25 750	26 780	27 810	28 840	29 870	30 900	31 930	32 960	33 990		
I	SERVIÇOS PRELIMINARES	18,31% R\$ 46.616,40	54,42% R\$ 138.550,75	18,14% R\$ 46.183,58																														9,12% R\$ 23.244,08	R\$ 254.995,28	
II	ADMINISTRAÇÃO LOCAL E GERENCIAMENTO AMBIENTAL	0,81% R\$ 3.429,50	1,86% R\$ 6.986,24	2,68% R\$ 10.049,43	3,30% R\$ 12.375,55	3,95% R\$ 14.862,54	3,99% R\$ 14.970,01	5,48% R\$ 20.833,34	5,30% R\$ 20.034,54	5,83% R\$ 21.899,03	3,98% R\$ 14.885,14	3,74% R\$ 14.046,64	3,47% R\$ 13.027,57	2,30% R\$ 8.638,21	2,06% R\$ 7.728,44	1,13% R\$ 4.228,70	2,11% R\$ 7.906,15	2,11% R\$ 7.906,15	2,23% R\$ 8.389,66	3,11% R\$ 11.688,17	3,14% R\$ 11.805,57	3,81% R\$ 14.314,33	4,05% R\$ 15.227,10	5,06% R\$ 22.756,56	5,59% R\$ 20.972,12	5,10% R\$ 19.355,87	5,89% R\$ 22.128,25	3,81% R\$ 14.327,34	1,46% R\$ 5.486,74	1,18% R\$ 4.441,38	0,37% R\$ 1.163,78					
III	ELEVATÓRIA DE ÁGUA BRUTA		0,16% R\$ 987,33	0,89% R\$ 4.504,69	0,73% R\$ 5.492,02	26,22% R\$ 161.788,58	17,25% R\$ 106.693,27	36,05% R\$ 222.149,02	18,71% R\$ 115.455,42																											
IV	ADUTORIA-ÁGUA TRATADA			35,69% R\$ 124.485,51	50,00% R\$ 174.422,34	16,32% R\$ 49.937,03																														
V	FLOCULADOR				5,11% R\$ 25.546,57	13,46% R\$ 67.265,98	11,13% R\$ 55.617,54	11,13% R\$ 55.617,54	7,39% R\$ 36.545,04	26,03% R\$ 125.133,88	16,64% R\$ 83.188,84																									
VI	AMPLIAÇÃO DECANTADOR					4,11% R\$ 29.190,89	19,31% R\$ 136.680,52	17,68% R\$ 125.147,81	19,07% R\$ 127.944,81	18,07% R\$ 45.952,43	14,94% R\$ 57.635,26	8,14% R\$ 57.635,26																								
VII	NOVO FILTRO E GALERIA DE COMANDO							1,81% R\$ 8.262,82	18,32% R\$ 82.894,45	18,32% R\$ 82.894,45	1,81% R\$ 38.880,28	27,88% R\$ 126.138,28	25,10% R\$ 113.740,03																							
VIII	ABRIGO DE PRODUTOS QUÍMICOS								16,76% R\$ 2.659,82	15,96% R\$ 54.415,38	1,86% R\$ 31.351,64	8,51% R\$ 29.792,78	4,46% R\$ 15.528,41	30,85% R\$ 108.034,36	30,85% R\$ 108.034,36																					
IX	TANQUE SULFATO									36,69% R\$ 34.157,16	60,31% R\$ 51.902,70																									
X	ABRIGO COMPRESSOR										40,17% R\$ 16.556,66	44,64% R\$ 18.389,03	15,19% R\$ 6.260,78																							
XI	RECUPERAÇÃO DE ESTRUTURAS EXISTENTES											100,00% R\$ 26.884,95																								
XII	UTL PLATO E MURO DE ARRIMO										16,67% R\$ 54.539,94	14,80% R\$ 48.421,78	26,40% R\$ 67.038,08	19,72% R\$ 64.518,75	14,16% R\$ 46.327,87	14,16% R\$ 46.327,87																				
XIII	UTL TANQUES																2,41% R\$ 38.112,97	9,98% R\$ 157.911,64	9,98% R\$ 157.911,64	9,44% R\$ 149.367,33	9,44% R\$ 149.367,33	9,51% R\$ 150.395,81	9,51% R\$ 150.395,81	4,62% R\$ 73.101,38	6,83% R\$ 108.985,79	11,15% R\$ 176.424,33	5,67% R\$ 89.715,33	5,67% R\$ 89.715,33	5,67% R\$ 61.772,31							
XIV	UTL CENTRÍFUGA																		1,38% R\$ 18.201,60	6,39% R\$ 84.083,48	2,15% R\$ 28.885,15	15,15% R\$ 133.874,08	16,39% R\$ 242.457,17	16,39% R\$ 242.457,17												
XV	CANALIZAÇÕES DE INTERLIGAÇÃO																				0,29% R\$ 73.423,28	0,29% R\$ 73.423,28	0,41% R\$ 73.423,28													
XVI	ABRIGOS INSTALAÇÕES ELÉTRICAS																					2,25% R\$ 1.316,48	56,99% R\$ 33.195,50	40,79% R\$ 23.738,03												
XVII	INSTALAÇÕES ELÉTRICAS																																			
XVIII	PRÉ-OPERAÇÃO																																			
XIX	REVISÃO PROJETO EXECUTIVO																																			
	DESEMBOLSO MENSAL	R\$ 71.927,69	R\$ 146.524,33	R\$ 216.765,29	R\$ 259.655,08	R\$ 311.296,54	R\$ 313.969,64	R\$ 431.699,79	R\$ 420.189,83	R\$ 513.633,09	R\$ 306.071,73	R\$ 313.219,97	R\$ 270.711,47	R\$ 163.001,43	R\$ 162.000,67	R\$ 42.581,67	R\$ 165.817,80	R\$ 165.817,80	R\$ 175.958,09	R\$ 245.138,97	R\$ 247.601,38	R\$ 300.215,00	R\$ 319.361,87	R\$ 477.286,51	R\$ 439.853,62	R\$ 405.895,74	R\$ 464.101,55	R\$ 300.491,00	R\$ 114.655,36	R\$ 93.126,18	R\$ 24.468,53	R\$ 71.316,42	R\$ 71.316,42	R\$ 71.316,42		
	% MENSAL	0,88%	1,81%	2,60%	3,21%	3,86%	3,88%	5,34%	5,19%	6,36%	3,78%	3,87%	3,39%	2,81%	2,80%	0,52%	2,05%	2,05%	2,17%	3,03%	3,06%	3,71%	3,95%	5,90%	5,44%	5,02%	5,74%	3,71%	1,42%	1,15%	0,30%	0,88%	0,88%	0,88%		
	% ACUMULADO	0,88%	2,70%	5,30%	8,51%	12,36%	16,24%	21,58%	26,77%	33,12%	36,90%	40,77%	44,12%	46,13%	48,14%	48,66%	50,71%	52,76%	54,94%	57,97%	61,03%	64,74%	68,69%	74,58%	80,52%	85,94%	90,77%	94,49%	95,90%	97,05%	97,94%	98,24%	99,12%	100,00%		
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