

Obra
UFMA - CONCLUSÃO DO PRÉDIO DA BIBLIOTECA CENTRAL-REVISÃO

Bancos
SINAPI - 09/2022 -
Maranhão

B.D.I.
25,03%

Encargos Sociais
Desonerado:
Horista: 83,87%
Mensalista: 47,51%

Cronograma Físico e Financeiro

Item	Descrição	Total Por Etapa	30 DIAS	60 DIAS	90 DIAS	120 DIAS	150 DIAS	180 DIAS	210 DIAS	240 DIAS	270 DIAS	300 DIAS	330 DIAS	360 DIAS
1	SERVIÇOS INICIAIS OU PRELIMINARES	100,00%	8,34%	8,34%	8,33%	8,33%	8,33%	8,33%	8,33%	8,33%	8,33%	8,33%	8,34%	8,34%
		117.302.07	9.782.99	9.782.99	9.771.26	9.771.26	9.771.26	9.771.26	9.771.26	9.771.26	9.771.26	9.771.26	9.782.99	9.782.99
2	PAVIMENTO TÍSREO	100,00%	6,96%	7,66%	6,65%	7,00%	7,12%	7,76%	7,67%	9,51%	10,10%	9,35%	9,92%	10,31%
		3.136.207.30	218.182.22	240.157.10	208.700.70	219.421.39	223.377.47	243.241.34	240.542.34	298.197.45	316.874.97	293.156.09	311.146.84	323.209.40
2.1	Demolições, Retiradas e Remoções	100,00%	10,00%	15,00%	15,00%	15,00%	15,00%	15,00%	15,00%					
		6.049.02	604.90	907.35	907.35	907.35	907.35	907.35	907.35					
2.2	Serviços em Concreto	100,00%	100,00%											
		37.638.80	37.638.80											
2.2.1	Infra Estrutura	100,00%	100,00%											
		26.495.43	26.495.43											
2.2.2	Supra Estrutura	100,00%	100,00%											
		11.143.37	11.143.37											
2.3	Recuperação Estrutural	100,00%	100,00%											
		7.400.66	7.400.66											
2.4	Estrutura Metálica	100,00%						20,00%	20,00%	40,00%	20,00%			
		72.222.32						14.444.46	14.444.46	28.888.93	14.444.46			
2.5	Alvenarias e Divisórias	100,00%	22,50%	22,50%	20,00%	17,50%	17,50%							
		81.553.41	18.349.52	18.349.52	16.310.68	14.271.85	14.271.85							
2.6	Esquadrias	100,00%		5,00%	15,00%	15,00%	15,00%	15,00%	20,00%	10,00%	5,00%			
		267.430.00		13.371.50	40.114.50	40.114.50	40.114.50	40.114.50	53.486.00	26.743.00	13.371.50			
2.7	Instalação Elétrica	100,00%	15,00%	15,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%			
		398.140.08	59.721.01	59.721.01	39.814.01	39.814.01	39.814.01	39.814.01	39.814.01	39.814.01	39.814.01			
2.8	Eletrificação Externa e Subestação	100,00%		5,00%	5,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%
		241.289.17		12.064.46	12.064.46	24.128.92	24.128.92	24.128.92	24.128.92	24.128.92	24.128.92	24.128.92	24.128.92	24.128.92
2.9	Refrigeração/ Climatização	100,00%				2,50%	7,50%	10,00%	10,00%	15,00%	15,00%	15,00%	15,00%	10,00%
		79.121.76				1.978.04	5.934.13	7.912.18	7.912.18	11.868.26	11.868.26	11.868.26	11.868.26	7.912.18
2.10	Sistema de Proteção Contra Descarga Atmosférica	100,00%		10,00%	10,00%	10,00%	10,00%	15,00%	15,00%	15,00%	15,00%			
		34.832.06		3.483.21	3.483.21	3.483.21	3.483.21	5.224.81	5.224.81	5.224.81	5.224.81			
2.11	Instalação Lógica	100,00%										20,00%	40,00%	
		13.900.16										2.780.03	5.560.06	5.560.06
2.12	Instalação Hidráulica	100,00%		100,00%										
		15.337.27		15.337.27										
2.13	Instalação Sanitária	100,00%		100,00%										
		20.916.29		20.916.29										
2.14	Instalação de Combate à Incêndio	100,00%		20,00%	20,00%	20,00%	20,00%	20,00%						
		80.352.48		16.070.50	16.070.50	16.070.50	16.070.50	16.070.50						
2.15	Impermeabilização	100,00%	10,00%	25,00%	25,00%	20,00%	20,00%							
		25.659.59	2.565.96	6.414.90	6.414.90	5.131.92	5.131.92							
2.16	Revestimento de Teto, Parede e Piso	100,00%	12,50%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	7,50%		
		735.210.97	91.901.37	73.521.10	73.521.10	73.521.10	73.521.10	73.521.10	73.521.10	73.521.10	73.521.10	55.140.82		
2.17	Forro	100,00%										25,00%	25,00%	25,00%
		87.037.25										21.759.31	21.759.31	21.759.31
2.18	Louças, Ferragens Hidrossanitárias e Reserva	100,00%										25,00%	25,00%	25,00%
		94.860.47										23.715.12	23.715.12	23.715.12
2.19	Serviços Complementares	100,00%										30,00%	30,00%	40,00%
		215.787.14										64.736.14	64.736.14	86.314.86
2.20	Drenagem Pluvial	100,00%										25,00%	25,00%	25,00%
		34.745.57										8.686.39	8.686.39	8.686.39
2.21	Pavimentação externa e paisagismo	100,00%								15,00%		12,50%	30,00%	30,00%
		417.894.69								62.684.20	52.236.84	52.236.84	125.368.41	125.368.41
2.22	Pintura	100,00%						12,50%	12,50%	15,00%	15,00%	15,00%	15,00%	15,00%
		168.828.14						21.103.52	21.103.52	25.324.22	25.324.22	25.324.22	25.324.22	25.324.22
3	1º PAVIMENTO	100,00%	7,25%	8,09%	8,85%	8,86%	9,18%	9,30%	9,94%	7,99%	7,92%	8,49%	6,72%	7,41%
		1.846.890.75	133.928.12	149.499.01	163.441.92	163.669.02	169.541.79	171.683.15	183.578.06	147.549.97	146.249.35	156.803.24	124.123.12	136.823.99
3.1	Demolições, Retiradas e Remoções	100,00%	10,00%	15,00%	15,00%	15,00%	15,00%	15,00%	15,00%					
		21.319.85	2.131.99	3.197.98	3.197.98	3.197.98	3.197.98	3.197.98	3.197.98					
3.2	Serviço em Concreto	100,00%	100,00%											
		6.192.19	6.192.19											
3.2.1	Supra Estrutura	100,00%	100,00%											
		6.192.19	6.192.19											
3.3	Recuperação Estrutural	100,00%	100,00%											
		14.734.74	14.734.74											
3.4	Alvenarias e Divisórias	100,00%	22,50%	22,50%	20,00%	17,50%	17,50%							
		33.670.95	7.575.96	7.575.96	6.734.19	5.892.42	5.892.42							
3.5	Esquadrias	100,00%		5,00%	15,00%	15,00%	15,00%	15,00%	20,00%	10,00%	5,00%			
		412.163.61		20.608.18	61.824.54	61.824.54	61.824.54	61.824.54	82.432.72	41.216.36	20.608.18			
3.6	Instalação Elétrica	100,00%	15,00%	15,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%			
		300.609.10	45.091.37	45.091.37	30.060.91	30.060.91	30.060.91	30.060.91	30.060.91	30.060.91	30.060.91			
3.7	Refrigeração/ Climatização	100,00%				2,50%	7,50%	10,00%	10,00%	15,00%	15,00%	15,00%	15,00%	10,00%
		117.455.39				2.936.38	8.809.15	11.745.54	11.745.54	17.618.31	17.618.31	17.618.31	17.618.31	11.745.54
3.8	Instalação Lógica	100,00%									20,00%	40,00%	40,00%	
		11.711.04									2.342.21	4.684.42	4.684.42	

3.9	Instala��o Hidr�ulica	100,00%		100,00%											
3.10	Instala��o Sanit�ria	1.835.34		1.835.34											
		100,00%		100,00%											
3.11	Instala��es de Combate a Inc�ndio	9.565.88		9.565.88											
		100,00%		100,00%	20,00%	20,00%	20,00%	20,00%							
3.12	Impermeabiliza��o	43.566.34		8.713.27	8.713.27	8.713.27	8.713.27	8.713.27							
		100,00%	10,00%	25,00%	25,00%	20,00%	20,00%								
3.13	Revestimento de Teto, Parede e Piso	37.350.18	3.735.02	9.337.55	9.337.55	7.470.04	7.470.04								
		100,00%	12,50%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	7,50%			
		435.734.90	54.466.86	43.573.49	43.573.49	43.573.49	43.573.49	43.573.49	43.573.49	43.573.49	43.573.49	32.680.12			
3.14	Forro	100,00%										25,00%	25,00%	25,00%	25,00%
		24.158.72										6.039.68	6.039.68	6.039.68	6.039.68
3.15	Lou�as, Ferragens Hidrossanit�rias e Reserva��o	100,00%										25,00%	25,00%	25,00%	25,00%
		32.687.31										8.171.83	8.171.83	8.171.83	8.171.83
3.16	Servi�os Complementares	100,00%										30,00%	30,00%	40,00%	
		232.580.48										69.774.14	69.774.14	93.032.19	
3.17	Drenagem Pluvial	100,00%										25,00%	25,00%	25,00%	25,00%
		11.015.37										2.753.84	2.753.84	2.753.84	2.753.84
3.18	Pintura	100,00%							12,50%	12,50%	15,00%	15,00%	15,00%	15,00%	15,00%
		100.539.36							12.567.42	12.567.42	15.080.90	15.080.90	15.080.90	15.080.90	15.080.90
4	2� PAVIMENTO	100,00%	8,53%	8,14%	8,93%	8,86%	9,51%	9,51%	10,47%	8,67%	8,79%	6,81%	6,15%	5,63%	
		1.149.820.98	98.085.84	93.644.11	102.721.31	101.917.84	109.292.94	109.317.81	120.330.33	99.672.44	101.049.68	78.305.12	70.727.14	64.756.42	
4.1	Demoli��es, Retiradas e Remo��es	100,00%	10,00%	15,00%	15,00%	15,00%	15,00%	15,00%	15,00%						
		3.386.25	338.63	507.94	507.94	507.94	507.94	507.94	507.94						
4.2	Recupera��o Estrutural	100,00%													
		33.811.29	33.811.29												
4.3	Alvenarias e Divis�rias	100,00%	22,50%	20,00%	17,50%	17,50%									
		58.392.75	13.138.37	13.138.37	11.678.55	10.218.73	10.218.73								
4.4	Esquadrias	100,00%		5,00%	15,00%	15,00%	15,00%	15,00%	20,00%	10,00%	5,00%				
		246.966.49		12.348.32	37.044.97	37.044.97	37.044.97	37.044.97	49.393.30	24.696.65	12.348.32				
4.5	Instala��o El�ctrica	100,00%	15,00%	15,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%				
		201.463.99	30.219.60	30.219.60	20.146.40	20.146.40	20.146.40	20.146.40	20.146.40	20.146.40	20.146.40				
4.6	Refrigera��o/Climatiza��o	100,00%				2,50%	7,50%	10,00%	10,00%	15,00%		15,00%	15,00%	10,00%	
		90.933.78				2.273.34	6.820.03	9.093.38	9.093.38	13.640.07	13.640.07	13.640.07	13.640.07	9.093.38	
4.7	Instala��o L�gica	100,00%									20,00%	40,00%	40,00%		
		12.493.60									2.498.72	4.997.44	4.997.44		
4.8	Instala��o Hidr�ulica	100,00%		100,00%											
		2.301.92		2.301.92											
4.9	Instala��o Sanit�ria	100,00%		100,00%											
		4.612.92		4.612.92											
4.10	Instala��es de Combate a Inc�ndio	100,00%		20,00%	20,00%	20,00%	20,00%								
		42.774.56		8.554.91	8.554.91	8.554.91	8.554.91	8.554.91							
4.11	Impermeabiliza��o	100,00%	10,00%	25,00%	25,00%	20,00%	20,00%								
		32.339.79	3.233.98	8.084.95	8.084.95	6.467.96	6.467.96								
4.12	Revestimento de Teto, Parede e Piso	100,00%	12,50%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	7,50%			
		138.751.85	17.343.98	13.875.19	13.875.19	13.875.19	13.875.19	13.875.19	13.875.19	13.875.19	13.875.19	10.406.39			
4.13	Rodap�, Soleira, Peitoril	100,00%			5,00%	5,00%	10,00%	10,00%	10,00%	10,00%	10,00%		15,00%	15,00%	
		56.568.07			2.828.40	2.828.40	5.656.81	5.656.81	5.656.81	5.656.81	5.656.81	5.656.81	5.656.81	8.485.21	8.485.21
4.14	Forro	100,00%										25,00%	25,00%	25,00%	25,00%
		16.798.08										4.199.52	4.199.52	4.199.52	4.199.52
4.15	Lou�as, Ferragens Hidrossanit�rias e Reserva��o	100,00%										25,00%	25,00%	25,00%	25,00%
		26.977.52										6.744.38	6.744.38	6.744.38	6.744.38
4.16	Servi�os Complementares	100,00%										30,00%	30,00%	40,00%	
		35.734.15										10.720.25	10.720.25	14.293.66	
4.17	Drenagem Pluvial	100,00%										25,00%	25,00%	25,00%	25,00%
		1.131.78										282.95	282.95	282.95	282.95
4.18	Pintura	100,00%							10,00%	15,00%	15,00%	15,00%	15,00%	15,00%	15,00%
		144.382.19							14.438.22	21.657.33	21.657.33	21.657.33	21.657.33	21.657.33	21.657.33
5	3� PAVIMENTO E COBERTURA	100,00%	9,76%	12,39%	11,19%	10,85%	9,79%	8,63%	8,16%	7,59%	7,53%	4,38%	4,13%		
		1.649.025.63	160.868.97	204.395.11	184.550.17	178.906.89	161.505.88	142.313.61	134.527.59	125.172.65	124.200.65	92.136.17	72.289.62	68.158.33	
5.1	Demoli��es, Retiradas e Remo��es	100,00%	10,00%	15,00%	15,00%	15,00%	15,00%	15,00%	15,00%						
		52.459.45	5.245.95	7.868.92	7.868.92	7.868.92	7.868.92	7.868.92	7.868.92						
5.2	Servi�os em Concreto	100,00%	100,00%												
		5.705.09	5.705.09												
5.2.1	Supra Estrutura	100,00%	100,00%												
		5.705.09	5.705.09												
5.3	RECUPERA��O ESTRUTURAL	100,00%													
		31.322.88	31.322.88												
5.4	Estrutura Met�lica	100,00%							20,00%	20,00%	40,00%	20,00%			
		7.215.48							1.443.10	1.443.10	2.886.19	1.443.10			
5.5	Alvenarias e Divis�rias	100,00%	22,50%	22,50%	20,00%	17,50%	17,50%								
		33.904.31	7.628.47	7.628.47	6.780.86	5.933.25	5.933.25								
5.6	Cobertura	100,00%	15,00%	25,00%	25,00%	25,00%	10,00%								
		154.924.27	23.238.64	38.731.07	38.731.07	38.731.07	15.492.43								
5.7	Esquadrias	100,00%		5,00%	15,00%	15,00%	15,00%	15,00%	20,00%	10,00%	5,00%				
		141.156.46		7.057.82	21.173.47	21.173.47	21.173.47	21.173.47	28.231.29	14.115.65	7.057.82				
5.8	Instala��o El�ctrica	100,00%	15,00%	15,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%	10,00%				
		261.475.90	39.221.39	39.221.39	26.147.59	26.147.59	26.147.59	26.147.59	26.147.59	26.147.59	26.147.59				
5.9	Sistema de Protec��o Contra Descarga Atmosf�rica	100,00%				10,00%	10,00%	15,00%	15,00%	15,00%					
		39.699.15		3.969.92	3.969.92	3.969.92	3.969.92	5.954.87	5.954.87	5.954.87	5.954.87				
5.10	Refrigera��o/Climatiza��o	100,00%				2,50%	7,50%	10,00%	10,00%	15,00%	15,00%	15,00%	15,00%	10,00%	
		116.752.63				2.918.82	8.756.45	11.675.26	11.675.26	17.512.89	17.512.89	17.512.89	17.512.89	11.675.26	
5.11	Instala��o L�gica	100,00%										20,00%	40,00%	40,00%	
		7.168.12										1.433.62	2.867.25	2.867.25	

5.12	Instalao Hidrulica	100,00%		100,00%											
5.13	Instalao Sanitria	100,00%		100,00%											
5.14	Instalaes de Combate a Incndio	100,00%		100,00%											
5.15	Impermeabilizao	100,00%		100,00%											
5.16	Revestimento de Teto, Parede e Piso	100,00%		100,00%											
5.17	Louas, Ferragens Hidrossanitrias e Reservao	100,00%		100,00%											
5.18	Servios Complementares	100,00%		100,00%											
5.19	Drenagem Pluvial	100,00%		100,00%											
5.20	Pintura	100,00%		100,00%											
6	TRANSPORTE DE MATERIAL GRANULAR	100,00%		100,00%											
7	SERVIOS FINAIS	100,00%		100,00%											
8	ADMINISTRAO LOCAL	100,00%		100,00%											
Porcentagem															
Custo															
Porcentagem Acumulado															
Custo Acumulado															

LUCIANO
RODRIGUES
CHAVES
NETTO:686794
59372

Assinado de forma
digital por LUCIANO
RODRIGUES CHAVES
NETTO:6867945937
Dados: 2022.12.12
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