



Anexo 05.03. Costos de producción total existentes desagregados por: mano de obra, materiales, equipos y herramientas (Fuente Expediente Técnico)

Item	Descripción	Costo de mano de obra inicial (existente)				Costo de materiales iniciales (existente)				Costo de equip. y herram. inicial (existente)				Costo total de las partidas iniciales (existentes)											
		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado									
		(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%								
01.00.00	Obras provisionales			S/.	-			S/.	-			S/.	-			S/.	-								
01.07.00	Acceso a plataforma para trabajos mecánicos de transportes de la U.N.A.			S/.	-			S/.	-			S/.	-			S/.	-								
01.08.00	Estructuras provisionales de madera (puente de 20m x 1.25m)	S/.	4,963.40	0.08%	S/.	4,963.40	0.08%	S/.	7,782.84	0.04%	S/.	7,782.84	0.04%	S/.	564.98	0.04%	S/.	13,311.22	0.05%	S/.	13,311.22	0.05%			
01.09.00	Estructuras provisionales de madera para izaje de columnas	S/.	7,493.61	0.13%	S/.	12,457.01	0.21%	S/.	-	0.00%	S/.	7,782.84	0.04%	S/.	852.51	0.05%	S/.	1,417.49	0.09%	S/.	13,971.43	0.05%	S/.	27,282.65	0.09%
01.10.00	Estructura provisional de madera para encofrado de placa y columna inclinada - 2do nivel (a=50m2 x h=7.00m)	S/.	51,322.22	0.86%	S/.	63,779.23	1.07%	S/.	61,714.03	0.35%	S/.	69,496.87	0.40%	S/.	1,539.83	0.10%	S/.	2,957.32	0.19%	S/.	114,576.08	0.39%	S/.	141,858.73	0.48%
01.11.00	Estructura provisional de madera para de placa y columna inclinada en el 3er nivel (a=48m2 x h=5.35m)	S/.	56,326.13	0.94%	S/.	120,105.36	2.01%	S/.	52,857.32	0.30%	S/.	122,354.19	0.70%	S/.	1,689.90	0.11%	S/.	4,647.22	0.29%	S/.	110,873.35	0.38%	S/.	252,732.08	0.86%
01.12.00	Estructura provisional de madera para el apoyo de encofrado de viga y graderío en volado exterior en el 3er nivel	S/.	79,334.79	1.33%	S/.	199,440.15	3.33%	S/.	76,513.35	0.44%	S/.	198,867.54	1.14%	S/.	2,385.13	0.15%	S/.	7,032.35	0.44%	S/.	158,233.28	0.54%	S/.	410,965.36	1.39%
01.13.00	Estructura provisional de madera para el apoyo de encofrado de viga y graderío entre ejes B y C en el 3er nivel	S/.	18,191.49	0.30%	S/.	217,631.65	3.64%	S/.	-	0.00%	S/.	198,867.54	1.14%	S/.	548.83	0.03%	S/.	7,581.19	0.48%	S/.	40,087.60	0.14%	S/.	451,052.96	1.53%
01.14.00	Estructura provisional de madera para encofrado de placa y columna inclinada en el nivel cobertura (a=42m2 x h=3.75m)	S/.	49,253.06	0.82%	S/.	266,884.71	4.46%	S/.	50,915.01	0.29%	S/.	249,782.55	1.43%	S/.	1,477.48	0.09%	S/.	9,058.67	0.57%	S/.	101,645.55	0.34%	S/.	552,698.51	1.87%
04.00.00	Seguridad y salud			S/.	266,884.71			S/.	249,782.55			S/.	9,058.67			S/.	552,698.51					S/.	552,698.51		
04.03.00	Equipos de protección colectiva	S/.	-	0.00%	S/.	266,884.71	4.46%	S/.	1,500.00	0.01%	S/.	251,282.55	1.43%	S/.	-	0.00%	S/.	9,058.67	0.57%	S/.	1,500.00	0.01%	S/.	554,198.51	1.88%
04.06.00	Equipos de protección personal completos	S/.	-	0.00%	S/.	266,884.71	4.46%	S/.	276,193.50	1.58%	S/.	527,476.05	3.01%	S/.	-	0.00%	S/.	9,058.67	0.57%	S/.	276,193.50	0.94%	S/.	830,392.01	2.81%
05.00.00	Movimiento de tierras			S/.	266,884.71			S/.	527,476.05			S/.	9,058.67			S/.	830,392.01					S/.	830,392.01		
05.01.00	Excavación con maquinaria para zapatas y plateas (terreno normal)	S/.	4,908.68	0.08%	S/.	271,793.39	4.54%	S/.	-	0.00%	S/.	527,476.05	3.01%	S/.	273,250.01	17.14%	S/.	282,308.68	17.71%	S/.	278,158.69	0.94%	S/.	1,108,550.71	3.75%
05.03.00	Relleno y compactado de fundaciones con material de préstamo	S/.	549,211.10	9.18%	S/.	821,004.49	13.72%	S/.	473,675.63	2.70%	S/.	1,001,151.68	5.72%	S/.	218,522.36	13.71%	S/.	500,831.03	31.42%	S/.	1,241,409.08	4.20%	S/.	2,349,959.78	7.96%



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		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado									
		(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%								
05.05.00	Eliminación de material excedente de excavaciones	S/.	44,064.44	0.74%	S/.	865,068.93	14.46%	S/.	-	0.00%	S/.	1,001,151.68	5.72%	S/.	259,027.45	16.25%	S/.	759,858.48	47.68%	S/.	303,091.89	1.03%	S/.	2,653,051.67	8.99%
05.06.00	Corte con maquinaria en terreno normal	S/.	2,370.03	0.04%	S/.	867,438.96	14.50%	S/.	-	0.00%	S/.	1,001,151.68	5.72%	S/.	18,518.37	1.16%	S/.	778,376.85	48.84%	S/.	20,888.40	0.07%	S/.	2,673,940.07	9.06%
05.07.00	Acarreo de material proveniente de excavaciones de corte con maquinaria d=50m.	S/.	3,364.24	0.06%	S/.	870,803.19	14.55%	S/.	-	0.00%	S/.	1,001,151.68	5.72%	S/.	20,185.43	1.27%	S/.	798,562.27	50.10%	S/.	23,549.66	0.08%	S/.	2,697,489.74	9.14%
05.09.00	Perfilado y acarreo (distancia 30m) De paredes y fondo de excavación de cimentaciones (material saturado) para una altura promedio de 3.50m	S/.	111,629.38	1.87%	S/.	982,432.58	16.42%	S/.	-	0.00%	S/.	1,001,151.68	5.72%	S/.	3,331.41	0.21%	S/.	801,893.68	50.31%	S/.	114,960.79	0.39%	S/.	2,812,450.52	9.53%
05.10.00	Eliminación de agua con electrobomba en excavación de cimentaciones	S/.	49,500.00	0.83%	S/.	1,031,932.58	17.25%	S/.	13,500.00	0.08%	S/.	1,014,651.68	5.79%	S/.	76,500.00	4.80%	S/.	878,393.68	55.11%	S/.	139,500.00	0.47%	S/.	2,951,950.52	10.00%
05.11.00	Excavación manual de cimentaciones (terreno saturado)	S/.	36,873.17	0.62%	S/.	1,068,805.74	17.86%	S/.	-	0.00%	S/.	1,014,651.68	5.79%	S/.	1,110.64	0.07%	S/.	879,504.32	55.18%	S/.	37,983.80	0.13%	S/.	2,989,934.32	10.13%
06.00.00	Obras de concreto simple				S/.	1,068,805.74					S/.	1,014,651.68					S/.	879,504.32					S/.	2,989,934.32	
06.05.00	Sub zapatas				S/.	1,068,805.74					S/.	1,014,651.68					S/.	879,504.32					S/.	2,989,934.32	
06.05.02	Sub zapatas: mezcla 1:12+30% p.m. (máximo de 6")	S/.	84,356.98	1.41%	S/.	1,153,162.72	19.27%	S/.	-	0.00%	S/.	1,014,651.68	5.79%	S/.	8,170.77	0.51%	S/.	887,675.08	55.70%	S/.	351,293.46	1.19%	S/.	3,341,227.78	11.32%
06.05.03	Sub zapatas: mezcla 1:8+30% p.m. (máximo de 6")	S/.	267,146.96	4.46%	S/.	1,420,309.68	23.74%	S/.	1,088,190.63	6.21%	S/.	2,102,842.31	12.01%	S/.	25,875.70	1.62%	S/.	913,550.78	57.32%	S/.	1,381,213.29	4.68%	S/.	4,722,441.07	15.99%
06.05.04	Sub zapatas: mezcla 1:5+30% p.m. (máximo de 6")	S/.	98,745.42	1.65%	S/.	1,519,055.10	25.39%	S/.	575,517.42	3.29%	S/.	2,678,359.73	15.29%	S/.	9,564.42	0.60%	S/.	923,115.20	57.92%	S/.	683,827.26	2.32%	S/.	5,406,268.33	18.31%
07.00.00	Obras de concreto armado				S/.	1,519,055.10					S/.	2,678,359.73					S/.	923,115.20					S/.	5,406,268.33	
07.01.00	Zapatas aisladas				S/.	1,519,055.10					S/.	2,678,359.73					S/.	923,115.20					S/.	5,406,268.33	
07.01.01	Zapatas aisladas: concreto f'c = 210 kg/cm2	S/.	15,566.82	0.26%	S/.	1,534,621.92	25.65%	S/.	1,232,790.78	7.04%	S/.	3,911,150.51	22.33%	S/.	5,517.99	0.35%	S/.	928,633.20	58.27%	S/.	1,253,875.59	4.25%	S/.	6,660,143.92	22.56%
07.04.00	Muros de contención				S/.	1,534,621.92					S/.	3,911,150.51					S/.	928,633.20					S/.	6,660,143.92	
07.04.02	Muro de contención: encofrado y desencofrado	S/.	64,827.92	1.08%	S/.	1,599,449.84	26.73%	S/.	-	0.00%	S/.	3,911,150.51	22.33%	S/.	1,935.67	0.12%	S/.	930,568.87	58.39%	S/.	137,330.60	0.47%	S/.	6,797,474.52	23.02%



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		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado									
		(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%								
07.05.00	Placas de concreto			S/.	1,599,449.84			S/.	3,911,150.51			S/.	930,568.87			S/.	6,797,474.52								
07.05.01	Placas: concreto premezclado f'c = 210 kg/cm2	S/.	1,537.42	0.03%	S/.	1,600,987.26	26.76%	S/.	62,780.02	0.36%	S/.	3,973,930.53	22.69%	S/.	616.68	0.04%	S/.	931,185.55	58.43%	S/.	64,934.12	0.22%	S/.	6,862,408.64	23.24%
07.05.02	Placas: encofrado y desencofrado	S/.	61,049.06	1.02%	S/.	1,662,036.31	27.78%	S/.	66,453.61	0.38%	S/.	4,040,384.14	23.07%	S/.	1,822.84	0.11%	S/.	933,008.38	58.54%	S/.	129,325.50	0.44%	S/.	6,991,734.15	23.68%
07.05.04	Placas: concreto premezclado f'c = 280 kg/cm2	S/.	3,417.91	0.06%	S/.	1,665,454.23	27.83%	S/.	194,173.91	1.11%	S/.	4,234,558.04	24.18%	S/.	1,373.52	0.09%	S/.	934,381.90	58.63%	S/.	198,965.33	0.67%	S/.	7,190,699.48	24.35%
07.06.00	Columnas rectas			S/.	1,665,454.23			S/.	4,234,558.04			S/.	934,381.90			S/.	7,190,699.48								
07.06.02	Columnas rectas: encofrado y desencofrado	S/.	250,886.32	4.19%	S/.	1,916,340.54	32.03%	S/.	-	0.00%	S/.	4,234,558.04	24.18%	S/.	7,491.11	0.47%	S/.	941,873.00	59.10%	S/.	482,716.31	1.63%	S/.	7,673,415.79	25.99%
07.06.03	Columnas: acero grado 60 fy = 4200 kg/cm2	S/.	347,497.85	5.81%	S/.	2,263,838.39	37.84%	S/.	2,155,773.71	12.31%	S/.	6,390,331.75	36.49%	S/.	38,610.87	2.42%	S/.	980,483.88	61.52%	S/.	2,541,882.43	8.61%	S/.	10,215,298.23	34.60%
07.06.04	Columnas: concreto premezclado f'c = 280 kg/cm	S/.	23,042.77	0.39%	S/.	2,286,881.16	38.22%	S/.	1,309,075.60	7.48%	S/.	7,699,407.35	43.97%	S/.	9,259.93	0.58%	S/.	989,743.81	62.10%	S/.	1,341,378.30	4.54%	S/.	11,556,676.52	39.14%
07.07.00	Vigas rectas			S/.	2,286,881.16			S/.	7,699,407.35			S/.	989,743.81			S/.	11,556,676.52								
07.07.01	Vigas rectas: concreto premezclado f'c = 210 kg/cm2	S/.	19,983.64	0.33%	S/.	2,306,864.80	38.55%	S/.	1,020,743.79	5.83%	S/.	8,720,151.15	49.80%	S/.	8,030.59	0.50%	S/.	997,774.40	62.60%	S/.	1,048,758.02	3.55%	S/.	12,605,434.55	42.69%
07.07.02	Vigas rectas: encofrado y desencofrado	S/.	380,915.75	6.37%	S/.	2,687,780.55	44.92%	S/.	-	0.00%	S/.	8,720,151.15	49.80%	S/.	43,299.49	2.72%	S/.	1,041,073.88	65.32%	S/.	886,342.47	3.00%	S/.	13,491,777.01	45.70%
07.07.03	Vigas rectas: acero grado 60 fy = 4200 kg/cm2	S/.	255,468.61	4.27%	S/.	2,943,249.16	49.19%	S/.	1,594,313.37	9.10%	S/.	10,314,464.51	58.90%	S/.	28,385.40	1.78%	S/.	1,069,459.28	67.10%	S/.	1,878,167.38	6.36%	S/.	15,369,944.39	52.06%
07.07.04	Vigas rectas: concreto premezclado f'c = 280 kg/cm2	S/.	9,040.93	0.15%	S/.	2,952,290.09	49.34%	S/.	513,621.46	2.93%	S/.	10,828,085.97	61.83%	S/.	3,633.17	0.23%	S/.	1,073,092.46	67.33%	S/.	526,295.56	1.78%	S/.	15,896,239.95	53.84%
07.08.00	Losa aligerada			S/.	2,952,290.09			S/.	10,828,085.97			S/.	1,073,092.46			S/.	15,896,239.95								
07.08.02	Losa aligerada horizontal: encofrado y desencofrado	S/.	69,651.91	1.16%	S/.	3,021,942.01	50.51%	S/.	84,361.55	0.48%	S/.	10,912,447.53	62.32%	S/.	7,923.94	0.50%	S/.	1,081,016.40	67.83%	S/.	161,937.41	0.55%	S/.	16,058,177.36	54.39%
07.09.00	Graderíos			S/.	3,021,942.01			S/.	10,912,447.53			S/.	1,081,016.40			S/.	16,058,177.36								



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		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado									
		(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%								
07.09.01	Graderíos: concreto premezclado f'c = 210 kg/cm2	S/.	23,648.82	0.40%	S/.	3,045,590.82	50.90%	S/.	-	0.00%	S/.	10,912,447.53	62.32%	S/.	9,945.99	0.62%	S/.	1,090,962.39	68.45%	S/.	1,092,710.28	3.70%	S/.	17,150,887.64	58.09%
07.09.02	Graderíos: encofrado y desencofrado	S/.	434,191.61	7.26%	S/.	3,479,782.43	58.16%	S/.	534,704.61	3.05%	S/.	11,447,152.13	65.37%	S/.	49,540.01	3.11%	S/.	1,140,502.40	71.56%	S/.	1,018,436.23	3.45%	S/.	18,169,323.87	61.54%
07.09.03	Graderíos: acero grado fy = 4200 kg/cm2	S/.	183,542.36	3.07%	S/.	3,663,324.79	61.23%	S/.	1,138,642.42	6.50%	S/.	12,585,794.56	71.87%	S/.	20,393.60	1.28%	S/.	1,160,896.00	72.84%	S/.	1,342,578.38	4.55%	S/.	19,511,902.25	66.08%
07.10.00	Escaleras				S/.	3,663,324.79					S/.	12,585,794.56					S/.	1,160,896.00					S/.	19,511,902.25	
07.10.02	Escaleras: encofrado y desencofrado	S/.	207,207.59	3.46%	S/.	3,870,532.38	64.69%	S/.	134,138.71	0.77%	S/.	12,719,933.27	72.64%	S/.	6,208.47	0.39%	S/.	1,167,104.47	73.23%	S/.	347,554.77	1.18%	S/.	19,859,457.02	67.26%
07.10.03	Escaleras: acero fy = 4200 kg/cm2	S/.	33,439.89	0.56%	S/.	3,903,972.27	65.25%	S/.	-	0.00%	S/.	12,719,933.27	72.64%	S/.	3,715.54	0.23%	S/.	1,170,820.01	73.46%	S/.	244,606.59	0.83%	S/.	20,104,063.61	68.09%
07.10.04	Escaleras: concreto premezclado f'c = 210 kg/cm2	S/.	5,528.91	0.09%	S/.	3,909,501.19	65.34%	S/.	282,411.15	1.61%	S/.	13,002,344.41	74.25%	S/.	2,221.84	0.14%	S/.	1,173,041.85	73.60%	S/.	290,161.90	0.98%	S/.	20,394,225.51	69.07%
07.11.00	Columnas de arriostre				S/.	3,909,501.19					S/.	13,002,344.41					S/.	1,173,041.85					S/.	20,394,225.51	
07.11.01	Columnas de arriostre: concreto f'c = 175 kg/cm2	S/.	27,104.83	0.45%	S/.	3,936,606.01	65.79%	S/.	69,884.07	0.40%	S/.	13,072,228.48	74.65%	S/.	6,020.55	0.38%	S/.	1,179,062.40	73.98%	S/.	103,009.45	0.35%	S/.	20,497,234.97	69.42%
07.15.00	Rampa				S/.	3,936,606.01	65.79%				S/.	13,072,228.48	74.65%				S/.	1,179,062.40	73.98%				S/.	20,497,234.97	69.42%
07.15.02	Rampa: encofrado y desencofrado	S/.	9,021.26	0.15%	S/.	3,945,627.27	65.94%	S/.	5,795.06	0.03%	S/.	13,078,023.54	74.68%	S/.	270.33	0.02%	S/.	1,179,332.73	74.00%	S/.	15,086.64	0.05%	S/.	20,512,321.61	69.47%
08.00.00	Estructuras metálicas y coberturas				S/.	3,945,627.27					S/.	13,078,023.54					S/.	1,179,332.73					S/.	20,512,321.61	
08.10.00	Fabricación de armadura TM-01, 02 y 03	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	-	0.00%	S/.	13,078,023.54	74.68%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	530,082.00	1.80%	S/.	21,042,403.61	71.27%
08.11.00	Montaje armadura TM-01, 02 y 03	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	57,344.56	0.33%	S/.	13,135,368.10	75.01%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	57,344.56	0.19%	S/.	21,099,748.17	71.46%
08.12.00	Fabricación de apoyos	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	202,596.24	1.16%	S/.	13,337,964.34	76.17%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	202,596.24	0.69%	S/.	21,302,344.41	72.15%
08.13.00	Montaje de apoyos	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	24,703.56	0.14%	S/.	13,362,667.90	76.31%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	24,703.56	0.08%	S/.	21,327,047.97	72.23%



Anexo 05.03. Costos de producción total existentes desagregados por: mano de obra, materiales, equipos y herramientas (Fuente Expediente Técnico)

Item	Descripción	Costo de mano de obra inicial (existente)				Costo de materiales iniciales (existente)				Costo de equip. y herram. inicial (existente)				Costo total de las partidas iniciales (existentes)											
		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado									
		(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%								
08.14.00	Fabricación de armaduras transversales TM-04 y TM-05	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	-	0.00%	S/.	13,362,667.90	76.31%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	883,274.87	2.99%	S/.	22,210,322.84	75.22%
08.15.00	Montaje de armaduras transversales TM-04 y TM-05	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	131,774.94	0.75%	S/.	13,494,442.84	77.06%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	131,774.94	0.45%	S/.	22,342,097.79	75.67%
08.16.00	Rigidizante longitudinal canal "U"	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	65,859.11	0.38%	S/.	13,560,301.95	77.44%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	65,859.11	0.22%	S/.	22,407,956.90	75.89%
08.17.00	Cobertura de planchas de acero plegada en frio tipo T	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	476,422.80	2.72%	S/.	14,036,724.75	80.16%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	476,422.80	1.61%	S/.	22,884,379.70	77.51%
08.18.00	Canaleta para aguas pluviales	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	-	0.00%	S/.	14,036,724.75	80.16%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	26,313.41	0.09%	S/.	22,910,693.10	77.60%
08.19.00	Arriostramiento lateral de armaduras transversales	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	72,435.42	0.41%	S/.	14,109,160.17	80.57%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	72,435.42	0.25%	S/.	22,983,128.52	77.84%
08.20.00	Rigidizante lateral y longitudinal de la armadura borde	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	17,418.50	0.10%	S/.	14,126,578.67	80.67%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	17,418.50	0.06%	S/.	23,000,547.02	77.90%
08.21.00	Fabricación y montaje de armadura borde "Arm. B" y "Arm.s"	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	32,835.60	0.19%	S/.	14,159,414.27	80.86%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	32,835.60	0.11%	S/.	23,033,382.62	78.01%
09.00.00	Varios				S/.	3,945,627.27					S/.	14,159,414.27					S/.	1,179,332.73					S/.	23,033,382.62	
09.02.00	Transporte interno de materiales	S/.	-	0.00%	S/.	3,945,627.27	65.94%	S/.	-	0.00%	S/.	14,159,414.27	80.86%	S/.	-	0.00%	S/.	1,179,332.73	74.00%	S/.	124,290.09	0.42%	S/.	23,157,672.71	78.43%
09.03.00	Transporte interno de materiales con maquinaria (distancia Promedio=100m.)	S/.	14,478.51	0.24%	S/.	3,960,105.79	66.19%	S/.	25,739.58	0.15%	S/.	14,185,153.85	81.00%	S/.	134,596.54	8.45%	S/.	1,313,929.27	82.44%	S/.	174,814.63	0.59%	S/.	23,332,487.34	79.02%
10.00.00	Muros y tabiques de albañilería				S/.	3,960,105.79					S/.	14,185,153.85					S/.	1,313,929.27					S/.	23,332,487.34	
10.01.00	Muro de ladrillo King Kong mecanizado (cabeza) j=2 cm	S/.	162,792.38	2.72%	S/.	4,122,898.17	68.91%	S/.	643,157.20	3.67%	S/.	14,828,311.05	84.68%	S/.	4,867.30	0.31%	S/.	1,318,796.57	82.75%	S/.	810,816.88	2.75%	S/.	24,143,304.22	81.77%
10.02.00	Muro de ladrillo King Kong mecanizado (soga) j=2 cm	S/.	28,617.35	0.48%	S/.	4,151,515.51	69.38%	S/.	98,285.78	0.56%	S/.	14,926,596.83	85.24%	S/.	868.39	0.05%	S/.	1,319,664.96	82.80%	S/.	127,771.51	0.43%	S/.	24,271,075.74	82.20%
11.00.00	Revoques, enlucidos y molduras				S/.	4,151,515.51					S/.	14,926,596.83					S/.	1,319,664.96					S/.	24,271,075.74	
11.02.00	Tarrajeo en muros interiores (mezcla c:a 1:4, e=2cm)	S/.	145,168.95	2.43%	S/.	4,296,684.46	71.81%	S/.	-	0.00%	S/.	14,926,596.83	85.24%	S/.	4,388.83	0.28%	S/.	1,324,053.79	83.08%	S/.	237,840.75	0.81%	S/.	24,508,916.49	83.01%



Anexo 05.03. Costos de producción total existentes desagregados por: mano de obra, materiales, equipos y herramientas (Fuente Expediente Técnico)

Item	Descripción	Costo de mano de obra inicial (existente)				Costo de materiales iniciales (existente)				Costo de equip. y herram. inicial (existente)				Costo total de las partidas iniciales (existentes)											
		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado									
		(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%								
11.03.00	Tarrajeo en muros exteriores (mezcla c:a 1:4, e=2cm)	S/.	38,036.57	0.64%	S/.	4,334,721.03	72.45%	S/.	18,333.34	0.10%	S/.	14,944,930.17	85.34%	S/.	3,118.71	0.20%	S/.	1,327,172.49	83.27%	S/.	59,488.62	0.20%	S/.	24,568,405.10	83.21%
11.04.00	Tarrajeo exterior en parapetos de tribunas en graderíos exteriores y peldaños"	S/.	227,375.11	3.80%	S/.	4,562,096.14	76.25%	S/.	109,593.06	0.63%	S/.	15,054,523.23	85.97%	S/.	13,938.70	0.87%	S/.	1,341,111.20	84.15%	S/.	350,906.87	1.19%	S/.	24,919,311.98	84.40%
11.06.00	Tarrajeo de columnas y placas				S/.	4,562,096.14					S/.	15,054,523.23					S/.	1,341,111.20					S/.	24,919,311.98	
11.06.01	Columnas y placas rectas: Tarrajeo de superficies (mezcla c:a 1:5, e=2cm)	S/.	120,237.16	2.01%	S/.	4,682,333.30	78.26%	S/.	38,681.96	0.22%	S/.	15,093,205.19	86.19%	S/.	36,586.33	2.30%	S/.	1,377,697.52	86.44%	S/.	195,505.45	0.66%	S/.	25,114,817.43	85.06%
11.06.03	Placas inclinadas: Tarrajeo de superficie (mezcla c:a 1:5 e=1.5 cms)	S/.	55,566.96	0.93%	S/.	4,737,900.26	79.18%	S/.	-	0.00%	S/.	15,093,205.19	86.19%	S/.	3,398.41	0.21%	S/.	1,381,095.93	86.65%	S/.	77,716.23	0.26%	S/.	25,192,533.66	85.32%
11.07.00	Tarrajeo de vigas				S/.	4,737,900.26					S/.	15,093,205.19					S/.	1,381,095.93					S/.	25,192,533.66	
11.07.01	Vigas rectas: Tarrajeo de superficies (mezcla c:a 1:5, e=2cm)	S/.	89,899.93	1.50%	S/.	4,827,800.19	80.69%	S/.	27,074.51	0.15%	S/.	15,120,279.70	86.35%	S/.	2,717.90	0.17%	S/.	1,383,813.84	86.83%	S/.	119,692.35	0.41%	S/.	25,312,226.01	85.73%
11.07.03	Vigas inclinadas: Tarrajeo de superficies (mezcla c:a 1:5, e=2cm)	S/.	49,255.30	0.82%	S/.	4,877,055.48	81.51%	S/.	13,593.10	0.08%	S/.	15,133,872.80	86.42%	S/.	1,469.52	0.09%	S/.	1,385,283.36	86.92%	S/.	64,317.92	0.22%	S/.	25,376,543.92	85.95%
11.10.00	Juntas				S/.	4,877,055.48					S/.	15,133,872.80					S/.	1,385,283.36					S/.	25,376,543.92	
11.10.01	Sellado de juntas de dilatación entre bloques	S/.	8,634.23	0.14%	S/.	4,885,689.71	81.65%	S/.	75,762.87	0.43%	S/.	15,209,635.67	86.86%	S/.	258.03	0.02%	S/.	1,385,541.40	86.93%	S/.	84,655.13	0.29%	S/.	25,461,199.06	86.23%
12.00.00	Cielorrasos				S/.	4,885,689.71					S/.	15,209,635.67					S/.	1,385,541.40					S/.	25,461,199.06	
12.01.00	Cielo raso horizontal (mezcla c:a 1:4, e=2.5cm)	S/.	54,410.91	0.91%	S/.	4,940,100.62	82.56%	S/.	-	0.00%	S/.	15,209,635.67	86.86%	S/.	1,623.01	0.10%	S/.	1,387,164.41	87.04%	S/.	74,099.94	0.25%	S/.	25,535,298.99	86.49%
12.02.00	Cielo raso tarrajeado en fondo de graderíos (mezcla c:a 1:5 e=1.5cm)	S/.	92,301.89	1.54%	S/.	5,032,402.51	84.11%	S/.	30,646.94	0.18%	S/.	15,240,282.61	87.03%	S/.	2,753.26	0.17%	S/.	1,389,917.67	87.21%	S/.	125,702.09	0.43%	S/.	25,661,001.08	86.91%
13.00.00	Pisos y pavimentos				S/.	5,032,402.51					S/.	15,240,282.61					S/.	1,389,917.67					S/.	25,661,001.08	
13.01.00	Contra piso de 40 mm (mezcla c:a base 1:5 acabado 1:2)	S/.	80,032.04	1.34%	S/.	5,112,434.55	85.44%	S/.	174,770.37	1.00%	S/.	15,415,052.98	88.03%	S/.	10,656.73	0.67%	S/.	1,400,574.40	87.88%	S/.	265,459.14	0.90%	S/.	25,926,460.23	87.81%
13.03.00	Piso de cerámico Grecia 0.40 x 0.40	S/.	40,184.36	0.67%	S/.	5,152,618.91	86.12%	S/.	174,194.53	0.99%	S/.	15,589,247.51	89.02%	S/.	1,214.88	0.08%	S/.	1,401,789.28	87.95%	S/.	215,593.76	0.73%	S/.	26,142,053.99	88.54%

Anexo 05.03. Costos de producción total existentes desagregados por: mano de obra, materiales, equipos y herramientas (Fuente Expediente Técnico)

Item	Descripción	Costo de mano de obra inicial (existente)				Costo de materiales iniciales (existente)				Costo de equip. y herram. inicial (existente)				Costo total de las partidas iniciales (existentes)											
		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado									
		(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%								
13.11.00	Piso de cemento con impermeabilizante c:a acabado bruñado e=2 cm	S/.	146,011.98	2.44%	S/.	5,298,630.89	88.56%	S/.	-	0.00%	S/.	15,589,247.51	89.02%	S/.	4,424.61	0.28%	S/.	1,406,213.88	88.23%	S/.	245,822.84	0.83%	S/.	26,387,876.84	89.37%
15.00.00	Zócalos				S/.	5,298,630.89					S/.	15,589,247.51					S/.	1,406,213.88					S/.	26,387,876.84	
15.02.00	Zócalo de cerámico blanco top 0,45 x 0,45	S/.	33,002.84	0.55%	S/.	5,331,633.74	89.11%	S/.	255,887.17	1.46%	S/.	15,845,134.68	90.48%	S/.	997.76	0.06%	S/.	1,407,211.64	88.29%	S/.	289,887.77	0.98%	S/.	26,677,764.61	90.35%
18.00.00	Revestimientos especiales				S/.	5,331,633.74					S/.	15,845,134.68					S/.	1,407,211.64					S/.	26,677,764.61	
18.02.00	Revestimiento de muros y placas con piedra volcánica porosa tipo Amantani almohadillada	S/.	45,874.61	0.77%	S/.	5,377,508.35	89.87%	S/.	124,226.11	0.71%	S/.	15,969,360.79	91.19%	S/.	1,371.78	0.09%	S/.	1,408,583.42	88.38%	S/.	171,472.50	0.58%	S/.	26,849,237.11	90.94%
20.00.00	Carpintería metálica y herrería				S/.	5,377,508.35					S/.	15,969,360.79					S/.	1,408,583.42					S/.	26,849,237.11	
20.03.00	Tubo electrosoldado 4"x2" para ventanas	S/.	137,241.55	2.29%	S/.	5,514,749.90	92.17%	S/.	302,834.14	1.73%	S/.	16,272,194.92	92.92%	S/.	44,430.72	2.79%	S/.	1,453,014.14	91.17%	S/.	484,506.41	1.64%	S/.	27,333,743.51	92.58%
20.09.00	Tubo negro diámetro = 1 1/2" en barandas	S/.	27,297.63	0.46%	S/.	5,542,047.53	92.62%	S/.	-	0.00%	S/.	16,272,194.92	92.92%	S/.	8,828.94	0.55%	S/.	1,461,843.08	91.72%	S/.	75,526.46	0.26%	S/.	27,409,269.97	92.83%
20.10.00	Tubo negro diámetro = 1" elementos horizontales	S/.	60,051.20	1.00%	S/.	5,602,098.73	93.63%	S/.	57,094.40	0.33%	S/.	16,329,289.32	93.25%	S/.	19,430.40	1.22%	S/.	1,481,273.48	92.94%	S/.	136,576.00	0.46%	S/.	27,545,845.97	93.29%
20.20.00	Tubo LAC 2"x4" de 3mm para sistema muro cortina vidrio reflejante bronce de 6mm	S/.	33,942.13	0.57%	S/.	5,636,040.86	94.19%	S/.	93,140.28	0.53%	S/.	16,422,429.60	93.78%	S/.	15,767.57	0.99%	S/.	1,497,041.05	93.93%	S/.	142,849.98	0.48%	S/.	27,688,695.95	93.78%
23.00.00	Vidrios, cristales y similares				S/.	5,636,040.86					S/.	16,422,429.60					S/.	1,497,041.05					S/.	27,688,695.95	
23.01.00	Vidrio sistema moduglass color bronce de e=6 mm (incluye accesorios e instalación)	S/.	-	0.00%	S/.	5,636,040.86	94.19%	S/.	660,888.35	3.77%	S/.	17,083,317.95	97.56%	S/.	-	0.00%	S/.	1,497,041.05	93.93%	S/.	660,888.35	2.24%	S/.	28,349,584.30	96.02%
23.05.00	Vidrio sistema moduglass transparente e=10 mm (incluye accesorios e instalación)	S/.	-	0.00%	S/.	5,636,040.86	94.19%	S/.	-	0.00%	S/.	17,083,317.95	97.56%	S/.	-	0.00%	S/.	1,497,041.05	93.93%	S/.	228,170.42	0.77%	S/.	28,577,754.73	96.79%
23.06.00	Vidrio sistema muro cortina reflejante bronce e=6mm (incluye accesorios e instalación)	S/.	-	0.00%	S/.	5,636,040.86	94.19%	S/.	256,658.33	1.47%	S/.	17,339,976.28	99.02%	S/.	-	0.00%	S/.	1,497,041.05	93.93%	S/.	256,658.33	0.87%	S/.	28,834,413.05	97.66%
24.00.00	Pintura				S/.	5,636,040.86					S/.	17,339,976.28					S/.	1,497,041.05					S/.	28,834,413.05	
24.01.00	Pintura látex en cielo raso horizontal (incluye vigas y fondo de escaleras)	S/.	83,032.15	1.39%	S/.	5,719,073.02	95.58%	S/.	60,925.06	0.35%	S/.	17,400,901.34	99.37%	S/.	2,437.00	0.15%	S/.	1,499,478.05	94.08%	S/.	146,394.22	0.50%	S/.	28,980,807.27	98.15%

Anexo 05.03. Costos de producción total existentes desagregados por: mano de obra, materiales, equipos y herramientas (Fuente Expediente Técnico)

Item	Descripción	Costo de mano de obra inicial (existente)				Costo de materiales iniciales (existente)				Costo de equip. y herram. inicial (existente)				Costo total de las partidas iniciales (existentes)											
		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado		Parcial		Acumulado									
		(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%	(S/.)	%								
24.02.00	Pintura látex en muros interiores (incluye columnas y derrames)	S/.	106,914.44	1.79%	S/.	5,825,987.46	97.37%	S/.	50,128.38	0.29%	S/.	17,451,029.72	99.65%	S/.	3,133.02	0.20%	S/.	1,502,611.07	94.28%	S/.	160,175.85	0.54%	S/.	29,140,983.12	98.70%
24.03.00	Pintura en muros exteriores (incluye columnas y derrames)	S/.	77,397.26	1.29%	S/.	5,903,384.72	98.66%	S/.	-	0.00%	S/.	17,451,029.72	99.65%	S/.	2,312.18	0.15%	S/.	1,504,923.25	94.42%	S/.	155,281.29	0.53%	S/.	29,296,264.41	99.22%
40.00.00	Resembrado de grass natural				S/.	5,903,384.72					S/.	17,451,029.72					S/.	1,504,923.25					S/.	29,296,264.41	
40.03.00	Movimiento de tierras				S/.	5,903,384.72					S/.	17,451,029.72					S/.	1,504,923.25					S/.	29,296,264.41	
40.03.02	Eliminación de material excedente de excavaciones	S/.	8,525.97	0.14%	S/.	5,911,910.69	98.81%	S/.	-	0.00%	S/.	17,451,029.72	99.65%	S/.	50,118.87	3.14%	S/.	1,555,042.13	97.57%	S/.	58,644.84	0.20%	S/.	29,354,909.25	99.42%
40.03.04	Relleno y compactado de fundaciones con material de préstamo campo deportivo	S/.	70,077.59	1.17%	S/.	5,981,988.27	99.98%	S/.	60,439.50	0.35%	S/.	17,511,469.22	100.00%	S/.	27,882.76	1.75%	S/.	1,582,924.88	99.32%	S/.	158,399.84	0.54%	S/.	29,513,309.09	99.96%
40.03.05	Corte con maquinaria para cancha (terreno normal)	S/.	1,390.16	0.02%	S/.	5,983,378.43	100.00%	S/.	-	0.00%	S/.	17,511,469.22	100.00%	S/.	10,862.08	0.68%	S/.	1,593,786.97	100.00%	S/.	12,252.24	0.04%	S/.	29,525,561.33	100.00%
			5,983,378.43	100.00%					17,511,469.22	100.00%				1,593,786.97	100.00%				29,525,561.33	100.00%					